# Consolidator

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**Basis Technologies** 

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# Introduction

This document is the manual for Basis Technologies "Consolidator".

Consolidator is a SAP related tool that can be implemented to support consolidation of SAP ECC systems, this document describes the basic concepts, setup instructions, operation of Consolidator and reporting overviews available.

### **Basic Concepts**

A list of the basic concepts in Consolidator and what these mean:

- <u>Stage</u>
- <u>Customizing Data</u>
- <u>Custom Objects</u>
- Hard Code Literals
- Phases
- Analysis
- Decision
- Execution
- Transfer

# Stage

Consolidator works through the technical consolidation of a system by breaking this down into three stages as follows:

Customizing Data Custom Objects Hard Code Literals

Stages <u>Customizing Data</u> and <u>Custom Objects</u> have four phases as all Custom Objects get transferred at once. <u>Hard Code Literals</u> does not go through the Transfer phase.

Analysis Decision Execution Transfer

# **Customizing Data**

Customizing Data holds the information on how the system has been configured to operate for different business processes. When merging systems there will be conflicts in this configuration, Consolidator identifies the tables and lines in conflict and works out which data can be safely re-keyed into the destination system and which requires manual intervention.

Where key fields clash, for example company code 1000 is used in both systems, in one system all the references to company code 1000 need to be changed, for example to 9000. This will also need to be reflected anywhere company code 1000 has been used as a <u>Hard Code Literal</u>.

# **Custom Objects**

The custom objects are customer developed repository objects (Z and Y Objects) that have to be assessed for naming conflicts between the source and target systems.

Custom Objects assessed for conflicts are:

- Authorisation Fields
- Classes
- Customer Enhancement Projects (CMOD)
- Package
- Data Domain
- Data Element
- Enhancement Implementation
- Enhancement Spot
- · Lock Object
- Function Group
- Function Module
- Interface
- Message Class
- Number Range Object
- · Parameter ID
- Program
- Search Help
- SAP Modification Implementations (SMOD)
- SAP SMartforms
- Authorisation Objects
- BAdI Implementation
- BAdl Definition
- Table
- Standard Text
- Trnasaction
- Table Type
- Type Group
- View

### Hard Code Literals

A Hard Coded Literal (HCL) is where developers have embedded a specific value, such as <u>Customizing</u> <u>Data</u>, directly into the source code of a program or other executable object. As a part of a consolidation if the <u>Customizing Data</u> changes then the hard coded literals need to be checked and updated as appropriate. For this reason <u>Customizing Data</u> **must** be completed before hard coded literals can complete the <u>Execution</u> phase.

For example the ABAP code below demonstrates where a hard coded literal has been declared for a company code and embedded into the IF statement as '1000'. The IF statement below means the code reacts differently for company code 1000, if in the <u>Customizing Data</u> stage company code 1000 has now been translated to company code 9000 then the ABAP code must be updated to reflect this.

```
IF p_bukrs = '1000'.
    PERFORM special_processing.
ELSE.
    PERFORM regular_processing.
ENDIF.
```

Executable Objects which are assessed for Hard Coded Literal are:

- Classes
- · Enhancement Spot
- SAP Script
- Function Group
- Function Module
- Interface
- Workflow Template
- Program
- SAP Smartforms
- Type Group

### Phases

The following four phases are followed for <u>Customizing Data</u> and <u>Custom Objects</u>, although note the <u>Hard</u> <u>Code Literals</u> stage does not go through the Transfer phase.

<u>Analysis</u> <u>Decision</u> <u>Execution</u> <u>Transfer</u>

\*

To keep the phases in order once you close a phase it cannot be reopened

To view the order phases must be completed executing the transaction "/BTR/CON" (if in the command bar use "/N/BTR/CON"), navigate to the drawer 'Overview' select 'All stages' and press the button. The diagram displayed shows the route the phases must flow through.

Consolidation Cod	kpit 🛛						
CONTEXT					Customizing data Analysis		
s Plan					Not started		
ECC Consolidation			<ul> <li>✓</li> </ul>				
Status : Active					Customizing data Decision Not started		
🔊 Overview							
Consolidation ove	rview			Customizing data Execution	Hard coded literal Analysis		
Type Consolidation stage	Consolidation p			Not started	Not started		
All stages		i					
Customizing data		1	*				
Customizing data	Analysis			Customizing data Transfer	Hard coded literal Decision Not started	Custom objects Analysis Not started	
Customizing data	Decision Execution						
Customizing data	Transfer						
Hard Coded Literals	Transfer	1 1	30 230			bert and the best from the	
	Analysis				Hard coded literal Execution Not started	Custom objects Decision Not started	
Hard Coded Literals	Decision						
Hard Coded Literals	Execution	L.					
📇 Custom Objects		1	*				
📇 Custom Objects	Analysis		N T		Custom objects Execution Not started		
🔒 Custom Objects	Decision						
📇 Custom Objects	Execution						
📇 Custom Objects	Transfer				Custom objects Transfer		
					Custom objects Transfer Not started		

# Analysis

The Analysis phase is where all of the <u>Custom Objects</u>, <u>Hard Code Literals</u> or <u>Customizing Data</u> are assessed by Consolidator for conflicts. Programs are executed to collect the data from the source and target systems and to run the comparison that picks up the conflicts between the systems. The results can be viewed to help assess the depth of differences between the systems and if the source and target systems are as expected.

# Decision

The decision phase shows all of the conflicts for the <u>Stage</u> you are looking at, at this point in the process the user has to make choices of how to deal with conflicts. A number of options are offered to the user to help make their choices, including usage data for repository objects.

For Custom Objects the following decisions are available:

- Ignore conflict
- Rename in system A
- Rename in system B
- · Handle manually
- Decision cancelled

For <u>Hard Code Literals</u> following decisions are available:

\*Translate the literal \*Ignore Conflict \*Remediate Manually \*Cancel decision

For <u>Customizing Data</u> the following decisions are available:

- Translated
- Failed
- Manual Re-key
- Confirmation Pending
- Ignore
- · Reset to initial

## Execution

The execution phase is where all of the actual changes to custom objects and customizing data happens. This phase is automated based on the decisions made in the decision phase.

# Transfer

The transfer phase is where all of the proposed changes are moved from the source system to the destination system



Note that this phase is not relevant for the stage 'Hard Code Literals' as all of the changes to correct the hard coded literals are held against the Custom Objects.

# Setup

To set up Consolidator, read through the following sections before starting the installation process.

- Prerequisites
- Architecture
- Installation
- <u>Systems</u>
- Plans
- <u>Configuration</u>

## Prerequisites

#### Prerequisites for Controller System

SAP® Web Application server release 7.00 (or higher)

#### Source/Target Systems (currently supported)

SAP® R/3® Releases SAP® ECC 5.0 (or higher)

#### Prerequisites for the SAP UI

Minimum: SAP GUI 7.10 Recommended: Current Version SAP GUI

# Architecture

The architecture for Consolidator is quite straightforward. There is the concept of a "controller" system upon which all activities relating to the consolidating process are executed. Separately, there are participating systems which are those SAP systems being consolidated. You are able to define and execute multiple consolidations between various systems via the same controller system.

The two systems that are to be merged, normally copies of production are assigned as System A and System B. After the analysis phase the target system can be selected, the other system then becomes the source.

A separate destination system can also be assigned which can act as the development environment for the target environment. This assists by helping the merge of changes that may be continuing through the target landscape.

## Installation

The following installation steps are required to be performed on your SAP systems to install Consolidator.

#	Activity	Details					
1	Import transports into your designated by Basis Technologies into your designated over the transport of the transport provided by Basis Technologies into your designated controller. Diffuser followed by Transport Express followed by Consolidated						
	Controller	They must be imported in the order specified.					
2	Import transports into your Source/Target/ Destination systems	Import the transports provided by Basis Technologies into your designated Controller. Diffuser followed by Transport Express followed by Consolidator They must be imported in the order specified.					
3	Create RFC users	Use SU01 to create a CON_RFC user in all clients of the Controller and Source/ Target/Destination systems. This RFC user needs roles to administer transports and develop including a developer key. Suggested SAP authorisations as follows: SAP_BC_TRANSPORT_ADMINISTRATOR SAP_BC_DWB_ABAPDEVELOPER For all remote systems the CON_RFC user needs to be of type System User					
		For the Domain Controller systems the CON_RFC user needs to be of type Service User Important: In the Domain Controller, CON_RFC user also needs /BTI/ TE:CTS_ADMIN_USER and /BTI/TE:CTS_ADMIN					
4	Create RFC destinations (in Controller)	Use SM59 (>> Create Connection) to create RFC destinations in your Controller: a. To connect to Source/Target/Destination systems taking part in the merge b. To connect back to the Controller system itself					
		The following nomenclature must be used:					

		RFC Name	CONSOLIDATOR CONTROLLER	
		Connection Type	3 (ABAP Connection)	
		Target Host	Hostname of the server of the SAP system	
		Client	The main client of the SAP system	
		User	CON_RFC	
		Password	*****	
		After set up, test the	connection via Utilities -> Test -> Authorization T	est
		the Controller to con	Connection) to create RFC destinations in the C nect to the Source/Target/Destination SAP system clature must be used:	
		RFC Name	CONSOLIDATOR XXX	
			Where XXX is the SID of the SAP system	
	Create RFC	Connection Type	3 (ABAP Connection)	
5	Destinations (for Source/Target/ Destination Systems)	Target Host	Hostname of the server of the SAP system	
		Client	The main client of the SAP system	
		User	CON_RFC	
		Password	*****	
				aat
		Aller set up, lest the	connection via Utilities -> Test -> Authorization T	651

# **Managing Licenses**

Execute the transaction /N/BTR/CON\_LICENSE to get taken to the license management screen in the controller system.

To install a license file select the install license option and execute the transaction, the file is then selected for upload.

Consolidator: License manager							
•							
⊙ Install new license OView current license	ר ש						

A success message should be received.

E Information	×
License has been successfully installed.	L J
	<b>~</b> ?

The license can now be checked by selecting the view license key and execute, the license key details should now be visible.

#### Consolidator: License manager

Consolidator: License manager

```
Licensed version: 01 . 00
Number of plans allowed: 0099
License start date: 01.01.2010
License expiration date: 10.02.2099
System ID: D01
Installation number: 0020537154
```

The source/target systems also require a license key to be installed, again a license file is provided.

Execute the transaction /N/BTR/LICENSE to get taken to the license management screen in the source/ target system.

To install a license file select the install license option and execute the transaction, the file is then selected for upload.

Diffuser License Manager
€>
O Check installed keys
● Install key file
◯ Test key file (no install)
ORemove all licence keys
O Export installed keys
OList installed products

The license can now be checked by selecting the check license key option and execute, the license key details should now be visible.

Diffuser License Manager									
9 🚊 🗧 🏹 1 🚯 📓 1 🚱 🕱 🚹 1 🎟									
Prod. I	D Product Name	Consist.	Valid	Expiry Date	Sys ID	Installation	Reports		
CON	Consolidator (Remote Package)				D02	0020537154			
L	-								

# Systems

The systems to be consolidated must be configured within Consolidator. Like all actions relating to a consolidation exercise, you perform this step upon the controller system.



Note you will need need RFCs setup for the full creation of a system see <u>Installation</u> section.

After executing the transaction "/BTR/CON" (if in the command bar use "/N/BTR/CON"), navigate to the drawer "Configuration" and then select "Systems".

CON	ITEXT		
5	Plan		
	6 Std Text testing 2	2	✓
Stat	t <b>us :</b> Active		
<u>@</u> 0	verview		
🔁 Re	esults		
°≣Đ	ecution		
/ Co	onfiguration		
Cor	nfiguration	options	
Туре	Description		
	Steps		
	Groups		
물	Process chains		
	Systems Diana		
s	<u>Plans</u>		

From here you can:

- Create a new system
- Copy an existing system
- Change a system

#### - Display a system

- Delete a system

🔁 🗋 Create 🔲 Copy 🖉 Change 🚱 Display 🛅 Delete								
System definition								
St.	System ID	System	Cl.	Description	RFC dest.	Cent.	Target	Suffix
1	0001	D01	100	Central system	NONE	Х		
Ø:	0002	D02	100	Test system	CONSOLIDATOR_D02		DUM	CON
jø:	0003	D01	100	Another D01	TRANSPORT EXPRESS D01			CON
jø:	0004	D01	100	Yet another D01	TRANSPORT EXPRESS D01			
jø:	0005	D03	100	D03	TRANSPORT EXPRESS D03			ABC
jø:	0006	D01		System D01 - A	CONSOLIDATOR_D01		DUM	CON
jø:	0007	D01		System D01 - B	CONSOLIDATOR_D01		DUM	CON
jø:	D01	D01	100	D01 xxx	TRANSPORT EXPRESS D01			
jø:	D99	D99		System D99	CONSOLIDATOR_D01		DUM	CON
jø:	DYY	D01		bug 2120			DUM	
1	DZZ	D01	100	System DZZ	CONSOLIDATOR_D01		DUM	CON
jø:	TEST	D01	100	test system	NONE			

When creating a system the following screen is shown

🔄 Creation of a new system	n	×
Header		
System number		
Description		
System information		
System name	Central system	
Client		
RFC Destination		
Sec. RFC destination		
Transport target	Get default target	
Config		
Status	Active Renaming suffix	
	○ Inactive	
Change log		
Created by	Created on	
Last modified by	Last modified on	
Additional information		
Addicional información		

An explanation for the function of each field on the "Systems" screen is as below:

- System Number This is a unique identifier for the system
- · Description This is purely to add a description to the system
- System Name This is the System ID of the system being setup
- · Client This is the client of that system you want to interact with

- Central System This is the controlling system and only one system can be flagged as this, flagging this will automatically be setup the RFC Destination (below) as "NONE" in order to avoid unnecessary RFC calls from the central system to itself
- RFC Destination This it the RFC that should have been setup in the installation
- Secondary RFC Destination This it the secondary RFC that should have been setup in the installation
- Transport Target This is the transport target for transports progressing through that system (the Get default target button will obtain the default)
- Status The radio button can be toggled between active and inactive, when inactive the system cannot be added to a plan
- · Renaming Suffix This is used as the suffix added to the end of custom objects when renaming

### Plans

You must set up a plan before you can begin any consolidation activities. A plan specifies the participating systems (i.e. which systems are being consolidated). Here you can also configure the target system and destination system.

After executing the transaction "/BTR/CON" (if in the command bar use "/N/BTR/CON"), navigate to the drawer "Configuration" and then select "Plans".

<u>@</u> 0	🔊 Overview						
🔁 Re	Results						
°≣Đ	ecution						
<mark>Ж.</mark> Сс	onfiguration						
Cor	nfiguration	options					
Туре	Description						
	<u>Steps</u>						
6	Groups						
	Process chains						
	Systems						
ß	<u>Plans</u>						

From here you can:

- Create a new plan
- Copy an existing plan
- Change a plan
- Display a plan

Creation of a new plan				×
Header				
Plan name			Status	New
BHeader Street Work	flow			
Systems				
System A				
System B				
Target system				
Destination system				
	L			
Config				
Transfer method	<ul> <li>Transport request</li> </ul>	Transport request for system A		
	O Consolidator	Transport request for system B	I	
	Consolidator			
Consolidation options				
Default renaming	<ul> <li>System A</li> </ul>			
	○ System B			
Change log				
Created by		Created on		
Last modified by		Last modified on		

An explanation for the function of each field on the "Plan" screen is as below:

- Plan Name This is the description of the plan
- Status This is the status of the plan dictated by the system (options are new, active, inactive and closed)
- System A This is one of the systems that will be consolidated
- System B This is the other system that will be consolidated
- Target System Choose System A or B as target system the other system is now the source

- Destination System This is the system which will receive the transports
- Transfer Method Choose if the changes will be transported or inserted directly, we recommend the usage of transport
- Transport request for system A (and B) Here the create buttons will create transports in each system to contain the changes made during the execution phase
- Default Renaming This determines if the default renaming occurs in System A or B
- Change Log This is a log of who created and changed the plan and the date of the creation/change

The workflow tab below shows the status of each phase, who changed, when it was opened and when it was closed.

🔄 Crea	tion of a new plan								×
Header									
Plan r	name						St	atus I	lew
	Header 🐉 Workflow								
<b>9</b>	🔓 Open phase 🔒 Cl	ose phase							
Cor	nsolidation wo	rkflow							
Туре	Stage	Phase	St.	Status	Opened by	Opened on	Closed by	Closed on	
	Customizing data	Analysis							
	Customizing data	Decision							
		Execution							
	Customizing data	Transfer							
	Hard coded literals	-							
	Hard coded literals								
	Hard coded literals								
	Custom objects	Analysis							
	Custom objects	Decision							
	Custom objects	Execution							
	Custom objects	Transfer							

Select the plan and press the green tick button, note the status is currently 'New'.

CONTEXT	
si Plan	
ECC Consolidation	✓
Status : New	

The plan is now ready to run the consistency checks, navigate to the drawer "Results" and then select "Plan consistency checks".

Press the "Execute checks" button, the checks are then run through and logs are produced for warnings or errors.

© Execute checks Consistency checks					
Num.	Description	St.	Status	Log	
1	Check RFC configuration	000	Check OK		
2	Check for open transports in the systems	040	Warnings	2	
3	Check transport configuration	00	Check OK		
4	Check remote user authorisations	00	Check OK		

Select the plan and press the green tick button, note the status is currently 'Active'. you are now ready to start with the execution of your plan.

CONTEXT	
s Plan	
ECC Consolidation	<ul> <li>✓</li> <li>✓</li> </ul>
Status : Active	

# Configuration

After executing the transaction "/BTR/CON" (if in the command bar use "/N/BTR/CON"), and navigating to the drawer "Configuration" you will have noted that other configuration items exist for Steps, Groups and Process Chains, these are not to be changed and have already been set up as required for the operation of the tool.

🏷 Co	🔆 Configuration					
Cor	nfiguration	options				
Туре	Description					
	Steps					
Ę	Groups					
E	Process chains					
<b></b>	Systems					
s	<u>Plans</u>					

# Usage

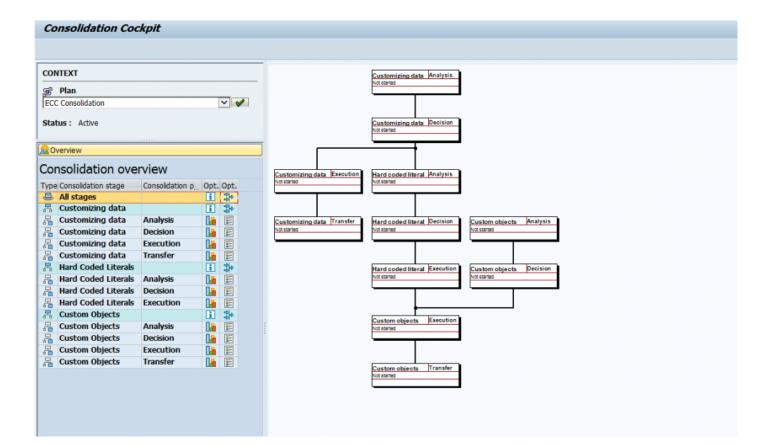
To start the operation of the tool the <u>Setup</u> should have been completed and a plan selected and with the green tick button pressed the plan shows as active as below.

CONTEXT					
ुङ Plan					
ECC Consolidation	✓				
Status : Active					

To achieve the technical merge then the following stages have to be completed.

- <u>Customizing Data</u>
- Hard Code Literals
- <u>Custom Objects</u>

The diagram below reflects the order in which the phases should be completed, to view this diagram go to the 'Overview' drawer and click the in the 'All Stages' row to produce the diagram as below.



### **Customizing Data**

The customizing data stage is dealt with through four phases which are completed in the order below:

- Analysis Phase
- Decision Phase
- Execution Phase
- Transfer Phase

# **Analysis Phase**

The Analysis phase is broken down into two section the operation of the run and then viewing the results.

- Operation
- <u>Results</u>

## Operation

The first task is to open the analysis phase go to the 'Configuration' drawer and open the 'Plans' and then open the workflow tab.

CONTEXT	
s Plan	
ECC Consolidation	✓
Status : Active	
🔊 Overview	
🔁 Results	
Dperation	
🔆 Configuration	
Configuration	options
Type Description	
Steps	
Caroups	
Process chains	
Systems Plans	
Pians	

In the workflow tab select the stage 'Customizing Data' phase 'Analysis' and press the 'Open Phase button.

der							
in name	ECC Consoli	dati	ion			Stat	tus Active
😂 Header 🖉 🛟 Work	flow						
Open phase	aca abaca						
	ose priase						
onsolidation wo	orkflow						
vpe Stage	Phase	St.	Status	Opened by	Opened on	Closed by	Closed on
	Analysis	0					
Customizing data	Decision						
Customizing data	Execution	٥					
Customizing data	Transfer	٥					
Hard coded literals	Analysis	٥					
Hard coded literals		٩					
Hard coded literals	Execution	٥					
	Analysis	۵					
	Decision	٥					
Custom objects	Execution	٥					
u -	Transfer						

The phase is now open for operations.

n name	ECC Consoli	dati	on			Sta	tus Ac	tive
😂 Header 🦯 🛟 Work	flow							
Open phase	ose phase							
onsolidation wo	rkflow							
/pe Stage	Phase	St	Status	Opened by	Opened on	Closed by	Closed on	
	Analysis		Open	TENGLAND	12.02.2016	closed by	closed on	
Customizing data	Decision	0						
-	Execution	0						
	Transfer	0						
Hard coded literals	Analysis	٥						
Hard coded literals	Decision	٥						
Hard coded literals	Execution	٥						
Custom objects	Analysis	٥						
Custom objects	Decision	٥						
Custom objects	Execution	۵						
• Custom objects	Transfer	٥						

With the analysis phase now open go to the 'Operation' drawer and select the 'Customizing analysis' phase and press the 'Execute' button.

#### Consolidation Cockpit

CONTEXT			Execute OSchedule											
s Plan			Process chain	Reference	Act.	Order	System		St.	Status	St. date	St. time	End date	End ti
ECC Consolidation		<ul><li>✓</li><li>✓</li></ul>	<ul> <li>S Customizing analysis</li> </ul>	001	1			<b>v</b>						
			<ul> <li>Customizing analysis - Table list</li> </ul>	000000004	1	1		-						
Status : Active			<ul> <li>Table list generator - System A</li> </ul>	000000015	1	10		-						
			<ul> <li>Table list generator - System B</li> </ul>	000000016	1	2 0	02	$\checkmark$						
2 Overview			<ul> <li>Retrieve table list from remote system - System A</li> </ul>		1	3 0		4						
Results			<ul> <li>Retrieve table list from remote system - System B</li> </ul>	000000018	1	4 D	01	$\checkmark$						
Operation			<ul> <li>・ 四冊 Customizing analysis - Table content</li> </ul>	000000007	1	2		1						
			<ul> <li>Store remote content into the cluster - System A</li> </ul>		1	10	01	-						
Execute SRun history			<ul> <li>Store remote content into the cluster - System E</li> </ul>	000000030	Þ	2 0	02	-						
Due en en el el tra			<ul> <li>Collect table conflict information</li> </ul>	000000019	1	3 0	01	$\checkmark$						
Process chains			<ul> <li>Customizing analysis - Table linkages</li> </ul>	000000008	1	3		-						
St. Chain name	Op.		<ul> <li>Build table field graph</li> </ul>	000000031	1	1 0	01	-						
Customizing analysis	6		<ul> <li>Retrieve table field graph</li> </ul>	000000032	1	2 0	01	-						
Customizing decision	۵		<ul> <li>Build table field reachability graph</li> </ul>	000000033	1	3 0	01	$\checkmark$						
Customizing execution	•		<ul> <li>Build root table list</li> </ul>	000000034	1	4 D	01	-						
Customizing transfer	•													
Hard coded literals analysis	0													
Hard coded literals decision	0													
Hard coded literals execution	0													
Custom objects analysis	0													
Custom objects decision	ŏ													
Custom objects execution														
Custom objects transfer	ě													

Selecting the execute button again will trigger the programs that are required to run for analysis with their default settings.

Consolidation Cockpit													
			-										
CONTEXT			🛃 📼 Abort 💶 Log 🔤 Job overview										
s Plan			Process chain	Reference	Act.	Order System	Select	St.	Status	St. date	St. time	End date	End ti
ECC Consolidation		<ul> <li></li> </ul>	<ul> <li>S Customizing analysis</li> </ul>	001	/		<b>V</b>	P	Pending				
			<ul> <li>ell Customizing analysis - Table list</li> </ul>	000000004	1	1	1						
Status : Active			<ul> <li>Table list generator - System A</li> </ul>	000000015		1 D01	-		Pending				
			<ul> <li>Table list generator - System B</li> </ul>	000000016		2 D02	1		Pending				
Overview			<ul> <li>Retrieve table list from remote system - System A</li> </ul>		1	3 D01	-		Pending				
Results			<ul> <li>Retrieve table list from remote system - System B</li> </ul>		1	4 D01	1		Pending				
Operation			<ul> <li>Customizing analysis - Table content</li> </ul>	000000007	1	2	<b>v</b>						
			<ul> <li>Store remote content into the cluster - System A</li> </ul>		1	1 D01			Pending				
Execute Run history			<ul> <li>Store remote content into the cluster - System B</li> </ul>		1	2 D02	-		Pending				
Process chains			Collect table conflict information	000000019	1	3 D01	1	13	Pending				
			<ul> <li>Customizing analysis - Table linkages</li> </ul>	000000008		3	<b>v</b>	1750					
St. Chain name	Op.		<ul> <li>Build table field graph</li> </ul>	000000031		1 D01	1		Pending				
Customizing analysis	6		<ul> <li>Retrieve table field graph</li> </ul>	000000032	1	2 D01	<b>v</b>		Pending				
Customizing decision	•		<ul> <li>Build table field reachability graph</li> </ul>	000000033		3 D01	<b>v</b>						
Customizing execution	•		<ul> <li>Build root table list</li> </ul>	000000034	/	4 D01	1	ы	Pending				
Customizing transfer	۰												
Hard coded literals analysis	•												
Hard coded literals decision	•												
Hard coded literals execution	۰												
Custom objects analysis	۰												
Custom objects decision	•												
Custom objects execution	•												
Custom objects transfer	•												

Pressing the refresh button will show the progress of the analysis programs running.

#### Consolidation Cockpit

CONTEXT			🔁 🖾 Abort 🛄 Log 🛛 🖾 Job overview										
gi Plan			Process chain	Reference	Act.	Order System	Select	St.	Status	St. date	St. time	End date	E
ECC Consolidation	~	<b>V</b>	<ul> <li>Eustomizing analysis</li> </ul>	001	1		<	60 005	In progress	12.02.2016	17:35:27		
			<ul> <li>Customizing analysis - Table list</li> </ul>	000000004	1	1	<b>v</b>						
Status : Active			<ul> <li>Table list generator - System A</li> </ul>	000000015	1	1 D01	<b>v</b>	68 <b>;</b>	In progress	12.02.2016	17:35:27		
			<ul> <li>Table list generator - System B</li> </ul>	000000016	1	2 D02	<b>v</b>		Pending				
See Overview			<ul> <li>Retrieve table list from remote system - System A</li> </ul>	000000017	1	3 D01	<b>v</b>		Pending				
Results			<ul> <li>Retrieve table list from remote system - System B</li> </ul>	000000018	1	4 D01	1		Pending				
Uperation			<ul> <li>Customizing analysis - Table content</li> </ul>	000000007	1	2	<b>v</b>						
			<ul> <li>Istore remote content into the cluster - System A</li> </ul>	000000029	1	1 D01	<b>v</b>		Pending				
Execute 🖉 Run history			<ul> <li>Store remote content into the cluster - System B</li> </ul>	000000030	1	2 D02	1		Pending				
Dracace chains			<ul> <li>Collect table conflict information</li> </ul>	000000019	1	3 D01	1		Pending				
Process chains			<ul> <li>Customizing analysis - Table linkages</li> </ul>	000000008	1	3	1						
St. Chain name	Op.		<ul> <li>Build table field graph</li> </ul>	000000031	1	1 D01	1						
Customizing analysis	6		<ul> <li>Retrieve table field graph</li> </ul>	000000032	1	2 D01	1		Pending				
Customizing decision	•		<ul> <li>Build table field reachability graph</li> </ul>	000000033	1	3 D01	<b>v</b>		Pending				
Customizing execution	•		<ul> <li>Build root table list</li> </ul>	000000034	1	4 D01	<		Pending				
Customizing transfer	•												
Hard coded literals analysis	•												
Hard coded literals decision	•												
Hard coded literals execution	•												
Custom objects analysis	0												
Custom objects decision	0												
Custom objects execution	0												
Custom objects transfer	•												

## Results

The Analysis phase of the Customizing Data stage will provide the number of configuration tables from each system, the number of rows of data involved and the number of conflicts that have been found.

Once the Analysis programs have run from the <u>Operation</u> section it is time to view the results, go to the 'Results' drawer and select the 'Customizing Data'.

The results are broken down by software component and reveal the number of tables and rows of data in each system as well as identical rows and conflicts.

Consolidation Cockpit			Consolidation Cockpit														
CONTEXT	Analysis Cecision Streeution																
Ban         ECC Consolidation         Customizing Tables         Customizing Tables             Tables (D01)             Rows (D02)             Key Consolidation																	
	Customizing Tables	Tables (D01)	Tables (D02)	Rows (D01)	Rows (D02)	Key conf.	Identical										
Status : Active	All Software Components	30.837	3.682	4.508.580	233.569	184.935	183.660 🔺										
Overview	<ul> <li>Add-On Assembly Kit (AOFTOOLS 400_700) ( AOFTOOLS )</li> </ul>	1	0	0	0	0	0 -										
	<ul> <li>SAP Enterprise Extension PLM, SCM, Financials (EA-APPL)</li> </ul>	3.043	0	106.646	0	0	0										
Results	<ul> <li>SAP Enterprise Extension Defense Forces &amp; Public Security ( EA-DFPS )</li> </ul>	276	0	7.404	0	0	0										
Result Areas	<ul> <li>SAP Enterprise Extension Financial Services (EA-FINSERV)</li> </ul>	2.043	0	126.529	0	0	0										
lesuit Areas	<ul> <li>SAP Enterprise Extension Global Trade (EA-GLTRADE)</li> </ul>	138	0	1.492	0	0	0										
ype Consolidation stage	<ul> <li>Sub component EA-HRCGB of EA-HR ( EA-HRCGB )</li> </ul>	27	0	170	0	0	0										
Plan consistency checks	Sub component EA-HRCIN of EA-HR ( EA-HRCIN )	100	0	46	0	0	0										
Workflow	<ul> <li>Sub component EA-HRCMX of EA-HR ( EA-HRCMX )</li> </ul>	3	0	1	0	0	0										
Customizing Data	<ul> <li>Image: Sub component EA-HRCUS of EA-HR ( EA-HRCUS )</li> </ul>	22	0	0	0	0	0										
Hard-coded Literals	Sub component EA-HRGXX of EA-HR ( EA-HRGXX )	300	0	95.825	0	0	0										
. Custom Objects	<ul> <li>Sub component EA-HRRXX of EA-HR ( EA-HRRXX )</li> </ul>	104	0	1.109	0	0	0										
	SAP IPPE ( EA-IPPE )	27	0	626	0	0	0										

The buttons on this screen operate by clicking the right hand down arrow 🗾 details on what each button does are as below.

The 'Update' button Update allows the user to run the programs for this phase individually, however, it is recommended the user does not use this and completes this through the operation drawer as this adds greater clarity.

The 'Add Table' button Add table allows the user to add tables that are not of a delivery class of customising (C or G) that you want to bring into the Analysis. Tables can be added just to this plan or globally for any future consolidation plans.

The 'Exclude' button **Exclude** allows the user to exclude tables from being considered in the rest of the consolidation process, they can also be added back in this phase if the decision needs to be reversed.

The 'Workflow' button Workflow allows the user to open and close this phase.

The 'Overview' button local allows the user to view the reports for this phase, see the <u>Reporting</u> section for more details.

The table holds large amounts of information, broken into nodes at the software component level, the screenshot below shows data accumulated into the nodes. Explanations for what each column represents are provided below the screenshot.

🗟 Analysis 🛛 🧹 Decision	🔅 Execution	o∯ Transf	fer					
De Update Add table	E Exclude	↓ 🕽 Workfle	ow 🖌 🔊 Ove	erview 🔺				
Customizing Tables	Tables (D01)				Key conf.	Identical	Dif. rows	Non ex.
<ul> <li>All Software Components</li> </ul>	30.837	3.682	4.508.580	233.569	184.935	183.660	1.275	23.382

Tables – This contains the number of tables in each system for each node

Rows – This contains the number of tables in each system for each node

- Key Conflict This contains the number of rows with a conflicting key
- Identical This counts the number of identical rows between the two systems
- Different Rows Rows where the key conflicts, but the data is different
- Non Ex. Lines not existing in the target system

The screenshot below shows where the user has navigated to the SAP Business Partner node and opened it to reveal tables, while the columns above are still relevant the other columns may also now be populated. Explanations for what each column represents are provided below the screenshot.

🗟 Analysis 🔗 Decision 🛛 🕄 Execution	o <sup>‡</sup> Transfe	r														
Dupdate Add table Ecclude	<ul> <li>Workflov</li> </ul>	v 🔒 🗟 Overvi	ew 🔺													
Customizing Tables	Tables (D01)	Tables (D02)	Rows (D01)	Rows (D02)	Key conf.	Identical	Dif. rows	Non ex.	Excl R	oot	IMG	TR	Text	Diff Clus	er Mnd	t D
<ul> <li>SAP Business Partner ( BUPA )</li> </ul>	102	102	1.417	352	305	291	14	20								
<ul> <li>BUPA_DEBUG</li> </ul>	1	1	0	0	0	0	0	0						х		)
• [[] T006E	1	1	0	0	0	0	0	0						х		
<ul> <li>T006EE</li> </ul>	1	1	0	0	0	0	0	0		х				х		
• [[] T006ET	1	1	0	0	0	0	0	0					х	х		
• [[] TB001	1	1	12	3	3	3	0	0		х	х			х		
• [[] TB002	1	1	24	4	4	4	0	0			х		х	х		
• [[] TB003	1	1	118	8	8	8	0	0		х	х			х		

Root – Indicates this table is a root table, this means that the key of this table is a foreign key for a number of other tables and therefore if we need to translate they key of the root table it will impact other tables. For example if plant 1100 exists in both systems, but represents plant therefore the root table (T001W) is

updated with plant 1100 from the source system translated to 9100. However, plant 9100 now has to be updated in the root table and all references in tables that link back to the root table.

Excl – This table has been excluded as per the button 'Exclude' button

IMG – Is an IMG node

TR – The table is in a transport

Text – The table is a text table, a table holding different descriptions of a field in different languages and is linked to a table that holds technical setup details

Diff - There are structural differences in this table when the two systems are compared

Cluster – The table is a cluster table

Mndt – Only has client (MANDT) as a key, so only one row of data can be held

Dynamic Calls – This means the table contains, a field relating to a program name, a class name or a function module name. Therefore the references here may lead to dynamic calls to different code and this should be checked.

On a table row all of the numbers in the columns 'Rows', 'Key Conflict', 'Identical', 'Different Rows', and 'Non Ex.' can be clicked and results reviewed.

Analysis Secution													
Dpdate Add table	E Exclude	∰⇒ Workfi	ow 🖌 🔊 Ove	erview 🔺									
Customizing Tables	Tables (D	Tables (D02)	Rows (D01)	Rows (D02)	Key conf.	Identical	Dif. rows	Non ex.					
<ul> <li>SAP Business Partner</li> </ul>	102	102	1.417	352	305	291	14	20					
BUPA_DEBUG	1	1	0	0	0	0	0	0					
• 🔟 T006E	1	1	0	0	0	0	0	0					
• 🔟 T006EE	1	1	0	0	0	0	0	0					
• 🔟 T006ET	1	1	0	0	0	0	0	0					
• 🔟 TB001	1	1	12	3	3	3	0	0					
• 🔟 TB002	1	1	24	4	4	4	0	0					
• 🔟 TB003	1	1	118	8	8	8	0	0					

Example of results retrieved.

Structure Editor: Display TB003 from Entry													
8	∢  ∢	▶ ▶	<u>.</u>	Column		📒 E	ntry	Metadata					
	8 E1	ntries											
CLI	ROLE	ROLECA	s	BPVIEW	X	POS							
100	000000			000000		000							
100	BUP001	BUP001		BUP001		000							
100	BUP002	BUP002	х	BUP002		000							
100	BUP003	BUP003	х	BUP003		000							
100	BUP004	BUP004	х	BUP004		000							
100	BUP005	BUP005	Х	BUP005		000							
	FS0000			FS0001		000							
100	ZBUPA	BUP001	х	BUP001		000							
							,						

Note that the standard SAP display does not display large numbers of entries, to see all entries, select 'Object' then 'Display Entire List' as below.

¢	<u>O</u> bject	<u>E</u> dit	<u>G</u> oto	L	Itilities	<u>S</u> ettings	S <u>v</u> stem	<u>H</u> elp
	D <u>i</u> spla	y Entire	List		I « 🖯	0		ሰራስ
	<u>P</u> rint	Entire L	ist					
	E <u>x</u> it	S	Shift+F3		splay	TB008	from E	intry

There are also a number of options seen by using a right mouse click on a table.

The 'Display' option allows the user to display the table structures in each system or to compare the structures.

Analysis 🖌 🖉 Decision 🖉 Execution 🖉 Transfer												
Update Add table Exclude Verview												
Customizing Tables	Tables (D	Tables (D02)	Rows (D01)	Rows (D02)	Key conf.	Identical	Dif. rows	Non ex.				
<ul> <li>SAP Business Partner</li> </ul>	102	102	1.417	352	305	291	14	20				
BUPA_DEBUG	1	1	0	0	0	0	0	0				
• 🔟 T006E	1	1	0	0	0	0	0	0				
• 🔟 T006EE	1	1	0	0	0	0	0	0				
• 🔟 T006ET	1	1	0	0	0	0	0	0				
• 🔢 TB001	1	1	12	3	3	3	0	0				
• 🔟 TB002	1	1	24	4	4	4	0	0				
• III TB003	1	1	118	8	8	8	0	0				
• TB003 Display	r 🕨 🕨	<u>D</u> isplay in D	001	0	0	0	0	0				
• TB003 Custor	mizing 🕨 🕨	Display in D	002	0	0	0	0	0				
TB003     Storage	ie 🕨	Compare s	tructures	0	0	0	0	0				
• III TB003		<u>c</u> ompare s		0	0	0	0	0				
• 🛄 твооз <u>S</u> now	content 🕨 🕨	1	2	0	0	0	0	0				
• TB003 <u>E</u> xclus	ion 🕨 🕨	1	4	0	0	0	0	0				
• TB003I	1	1	5	0	0	0	0	0				

The 'Customising' option allows the user to have a number of options.

Including being taken to the maintenance screens if these exist.

🗟 Analysis 🛛 🞸 Decision	🔅 Execution	n 🖓 Transfer										
Deverview Add table Exclude I Stroke Coverview I												
Customizing Tables				Tables (D01)	Tables (D02) R							
<ul> <li>SAP Business Partne</li> </ul>	er ( BUPA )			102	102							
<ul> <li>BUPA_DEBUG</li> </ul>				1	1							
• 🔟 T006E				1	1							
• 🔟 T006EE				1	1							
• 🛄 T006ET				1	1							
• 🛄 TB001				1	1							
• <b>TB002</b>				1	1							
• <b>TB003</b>				1	1							
• TB003 Displa	ay 🕨	1		1	1							
	omizing 📃 🕨 🕨	<u>M</u> aintain conter	nt 🕨	<u>M</u> aintain in D0	1 1							
• TB003 <u>Stora</u>	ige 🕨 🕨	Show IMG	•	<u>M</u> aintain in D0	2 1							
• <b>TB003</b> Show	v content	Show Transpor	ts ▶∎	1	1							
• [[] TB003 -				1	1							
	Ision 🕨	_		1	1							
• <b>TB003I</b>				1	1							

To be able to navigate to the IMG in the chosen system.

Analysis Cecision Execution Analysis Cecision Execution Analysis												
Customizing Tables SAP Business BUPA_DE T006E T006EE T006ET T006ET TB001 TB002 TB003 TB003 TB003 TB003	Partner (BUPA )	de 」 Striktflow 」 2 Overv		Tables (D02) 102 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	1.417 0 0 0 12 24 118 0 0							
<ul> <li>TB003</li> <li>TB003</li> <li>TB003</li> <li>TB003</li> <li>TB003</li> <li>TB003I</li> <li>TB003T</li> </ul>	<u>S</u> torage <u>S</u> how content <u>E</u> xclusion	Show IMG       Show Transports	<u>S</u> how IMG in D03 <u>S</u> how IMG in D03 1 1 1	1	0 2 4 5 236							
Display IMG			ease Notes Chang									

🔜 🛃 🥌 ।	Existing BC Sets & BC Sets for Ac	tivity & Activated BC Sets for Activity	i Release Notes Change L	og Where Else Used
Structure				
	<ul> <li>Business Partner Roles</li> </ul>			
	<ul> <li>Concept of Busines</li> </ul>	s Partner Roles		
	• 🚼 🐼 Define BP Roles			
	• 🗟 🐶 Define BP Role Grou	ipings		
	• 🗟 🍫 Define BP Role Excl	usion Groups		
	• 🗟 🐼 Define Application 1	Fransactions		

Or to be taken to transports that contain this configuration.

Analysis Cecision Execution Of Transfer													
Customizing Tables     Customizing Table													
			Rows (D01)										
<ul> <li>SAP Business Partner ( BUPA )</li> </ul>	102	102	1.417										
BUPA_DEBUG	1	1	0										
• 🔟 T006E	1	1	0										
• 1006EE	1	1	0										
• T006ET	1	1	0										
• TB001	1	1	12										
• TB002	1	1	24										
• TB003	1	1	118										
• TB003 Display	1	1	110										
	1	1	0										
• Ⅲ TB003 <u>Customizing</u> ▶ <u>M</u> aintain content ▶	1	1	0										
TB003 <u>Storage</u> Show IMG	1	1	0										
TB003     Show content     Show Transports	Show Transpor	rts in D01	0										
• B003 -			2										
	Show Transpor	rts in D02	4										
• TB003I	1	1	5										
• III TB003T	1	1	236										

The 'Storage' option allows the user to bring the latest data in from the respective systems and store it into the controller system.

Analysis 🖌 🖉 Decision 🕺 Execution 🖓 Transfer													
Update _ Exclude _ Exclude _ Add table _ Exclude _													
Customizing Tables	Tables (D01)	Tables (D02)	Rows (D01)										
<ul> <li>SAP Business Partner (BUPA)</li> </ul>	102	102	1.417										
BUPA_DEBUG	1	1	0										
• 1006E	1	1	0										
• 1006EE	1	1	0										
• <b>T006ET</b>	1	1	0										
• III TB001	1	1	12										
• III TB002	1	1	24										
• III TB003	1	1	118										
• III TB003 Display	1	1	0										
TB003 <u>C</u> ustomizing	1	1	0										
<ul> <li>TB003 Storage</li> <li>Store content from system</li> </ul>	m D01 1	1	0										
TB003     Show content     Store content from system	1	1	0										
• II TB003 -	1	1	2										
• TB003 Exclusion •	1	1	4										
• TB003I	1	1	5										

The 'Show Content' option allows the user to view the entries in each system or compare data.

Analysis 🖌 Decision 🗱 Execution 🖓 Transfer													
Update Add table Exclude Stream Workflow Coverview													
Customizing Tables	Tables (D01)	Tables (D02)	Rows (D01)										
<ul> <li>SAP Business Partner (BUPA)</li> </ul>	102	102	1.417										
BUPA_DEBUG	1	1	0										
• 🔟 T006E	1	1	0										
• 1006EE	1	1	0										
• 1006ET	1	1	0										
• 🔟 TB001	1	1	12										
• III TB002	1	1	24										
• III TB003	1	1	118										
• III TB003 Display	1	1	0										
• TB003 Customizing •	1	1	0										
• TB003 Storage	1	1	0										
TB003     Show content     Content from system D01	1	1	0										
• IB003	1	1	2										
• TB003 Exclusion • Content from system D02	1	1	4										
TB003I <u>C</u> ompare contents	1	1	5										
• III TB003T	1	1	236										

Data comparison option as below:

Tal	ble i	TB003	3										
Dis	play	.   🝞 F	Filter source	Filter target	Structure	P Translation data							
1	- 6	17.	.]						TAI				A T A 7.
)ric	ina	l cont	tent (D0	1): 118 ent	rie(s)			Or	iginal o	ontent (D	02).8 e	ntrie(s)	Modified content: No entry
					BPVIEW XSUPPRE							LECAT BPVIEW XSUPPRESS POSNR	CLIENT ROLE ROLECATEGORY STND_ROLECAT BPVIEW XSUPPRESS POSNR
00	000		DLECATEGORY	STND_ROLECAT	000000	55 POSNR					RY STND_RO	000000	CLIENT ROLE ROLECATEGORY STND_ROLECAT BPVIEW XSUPPRESS POSNR
00		000 BB	IP000	x	00000					BUP001		BUP001	
00		001 BB		^				100		BUP002	x	BUP002	
00		002 BB		x				100		BUP003	x	BUP003	
00		003 BB		x				100		BUP004	X	BUP004	
00		004 BB		x				100		BUP005	x	BUP005	
00		005 BB		x				100				F50001	
00		006 BB		x				100		BUP001	x	BUP001	
00	BKK	010 BK	X010	x	FS0001								
00	BKK	020 BK	K020	x	F50001								
00	BKK	030 BK	K030	х	FS0001								
00	BKK	200 BK	K200	x	F50001								
00	BUP	001 BU	P001		BUP001								
00	BUP	002 BU	P002	×	BUP002								
00	BUP	003 BU	P003	х	BUP003								
00	BUP	004 BU	IP004	х	BUP004								
00		005 BU		х	BUP005								
00		SA1 CA		×	CACSA1								
DD		SAZ CA		х	CACSA2								
00		SA3 CA		×	CACSA3								
DD		H10 CB1		х	CBIH10								
00		H20 CBI		×	CB3H20								
00		RK1 TR			F50002								
00		RK2 TR			FS0002								
00		001 CM		X	F50001								
00		U00 FLC		X	FLCU00								
00		U01 FLC		x	FLCU01								
00		NOO FLV		x	FLVN00								
00	FLV FS0	NO1 FLV	vre01	~	FLVN01 FS0001								
00		000 PS0	0002	x	F50001 F50003								
00		KNE FSC		x	F50003								
00		NNE PSU		X	HEA010								
0		020 HE		x	HEA010 HEA020								
0		020 HE		X	HEA020 HEA030								
00		040 HE		X	HEA040								
00		050 HE		x	HEA050								
00		000 HR		x	HR1000								
00	MKK			x	MKK		-						
		BO1 BC1		0	PINA DECEMBER			1					

The 'Exclude' option allows the user to exclude tables from being considered in the rest of the consolidation process, they can also be added back in this phase if the decision needs to be reversed. This is the same as the 'Exclude' button 4

🐻 Analysis 🛛 🧹 Decision	Analysis Secution Stransfer													
	Derview													
							0.1							
Customizing Tables	Tables (D		Rows (D01)											
SAP Business Partne	r 102	102	1.417	352	305	291	14	20						
<ul> <li>BUPA_DEBUG</li> </ul>	1	1	0	0	0	0	0	0						
• 🛄 T006E	1	1	0	0	0	0	0	0						
• 🔟 T006EE	1	1	0	0	0	0	0	0						
• 🔟 T006ET	1	1	0	0	0	0	0	0						
• 🔢 TB001	1	1	12	3	3	3	0	0						
• 🔟 TB002	1	1	24	4	4	4	0	0						
• TB003	1	1	118	8	8	8	0	0						
• TB003 Displ	iy 🕨	1	0	0	0	0	0	0						
	omizing 🕨 🕨	1	0	0	0	0	0	0						
<ul> <li>TB003</li> </ul>		1	0	0	0	0	0	0						
• TB003	ige 🕨 🕨	1	0	0	0	0	0	0						
• TB003 Shov	v content	1	2	0	0	0	0	0						
• TB003 Exclu	sion 🕨 🕨	Add table	to the exclusio	n list	0	0	0	0						
• TB003I	1		able from the e		0	0	0	0						
• TB003T	1	<u>Remove c</u>	230	10	16	16	ő	Ő						
	1	1					, v	0						
• 🔟 TB003V	1	1	0	0	0	0	0	0						

When you are certain you are ready to close the phase use the *phase* option on the 'Workflow' button St Workflow

and select close phase. Continue to the next phase <u>Decision Phase.</u>

## **Decision Phase**

The Decision phase is broken down into two section the operation of the run and then viewing the results.

- Operation
- <u>Results</u>

# Operation

The first task is to open the decision phase go to the 'Configuration' drawer and open the 'Plans' and then open the workflow tab.

CONTEXT	
s Plan	
ECC Consolidation	✓
Status : Active	
🔊 Overview	
🔁 Results	
E Operation	
Configuration	
Configuration	options
Type Description	
Steps	
Caroups	
Process chains	
Systems Plans	_
	-

In the workflow tab select the stage 'Customizing Data' phase 'Decision' and press the 'Open Phase button, the phase is now open for operations.

ট Display of plan 900000027												
Header												
Plan name	Stat	tus Ac	tive									
B Header Workflow  Consolidation workflow												
Type Stage	Phase	St. Status		Opened on	Closed by	Closed on						
Customizing data	Analysis	Closed	I TENGLAND	12.02.2016	TENGLAND	22.02.2016						
Customizing data	Decision	🔐 Open	TENGLAND	22.02.2016								
Customizing data	Execution	۵										
Customizing data	Transfer	•										

With the decision phase now open go to the 'Operation' drawer and select the 'Customizing decision' phase and press the 'Execute' button. Selecting the execute button again will trigger the programs that are required to run for analysis with their default settings.

Consolidation Cockpit														
CONTEXT	🔁 🖾 Abort 🛄 Log													
🥵 Plan	Process chain		Act.	Order System	Select	St. St	atus	St. date	St. time	End date	End time	Est. time	Estim. %	Nb jobs
ECC Consolidation	<ul> <li>S Customizing decision</li> </ul>	009	1		<b>V</b>	🔲 Fini		22.02.2016						
	<ul> <li>Generate translation for customizing tables</li> </ul>	000000035	/	1 D01	1	🔲 Fini	shed	22.02.2016	16:04:24	22.02.2	16:16:42			
Status : Active														
2 Overview														
Results														
E Operation														
Execute Bun history														
Process chains														
St. Chain name Op.														
St. Chain name Op.  Customizing analysis  Customizing decision														
Customizing decision														
Customizing execution														
Customizing transfer														

Pressing the refresh button will show the progress of the analysis programs running and they will have a status of finished when complete, you are now ready to progress to the results screen.

Consolidation Cockpit													
CONTEXT	Back Abort Log Abort Job overview												
्र द्वी Plan	Process chain	Reference	Act.	Order System	St.	Status	St. date	St. time	End date	End time	Est. time	Estim. %	Nb jobs
Plan ECC Consolidation	<ul> <li>S Customizing decision</li> </ul>	009	1						22.02.2				
	<ul> <li>Generate translation for customizing tables</li> </ul>	000000035	1	1 D01		Finished	22.02.2	16:04:24	22.02.2	16:16:42			
Status : Active													
S Overview													
Results													
Per Coperation													
Execute Bun history													
Process chains													
St. Chain name Op.													
Customizing analysis													
Customizing decision													

## Results

The Decision phase of the Customizing Data stage will provide the number of configuration tables from each system, the number of rows of data involved and involves choices from the user to categorise the tables and confirm translations are correct.

Once the Analysis programs have run from the <u>Operation</u> section it is time to view the results, go to the 'Results' drawer and select the 'Customizing Data' and click the 'Decision' tab.

The results are broken down by the following categories, this phase only includes the root tables identified by Consolidator.

Tables rekeyed automatically – The table can be rekeyed automatically without any involvement from the user

Tables that cannot be rekeyed automatically – The table has a limit of keys that can be added, for example, tables that only have a key of client (MANDT) so only one entry per client is allowed

Tables to be rekeyed manually – The table has been identified as being required to be rekeyed manually Tables requiring review – The table can be rekeyed automatically, however, it should be reviewed to ensure the integrity of the system

Excluded tables – Tables that were excluded during the Analysis phase

Consolidation Cockpit										
CONTEXT	😪 Analysis 🖌 🥜 Decision 🛛 😵 Execution 🗸	Transfe	r							
SPIan ECC Consolidation	Update     Categorize     PTranslation dat	a i 🏞 W	orkflow	Overvier	v 🔒					
Chattan Anton	Customizing Tables	Status	Tables							
Status : Active	<ul> <li>Al table categories</li> </ul>		1.158		34.997	8.359		1.255	10.004	1.255
	<ul> <li>Tables rekeyed automatically</li> </ul>		1.158		34.997	8.359	7.104			
	<ul> <li>Tables that cannot be rekeyed automatically</li> </ul>		0	-	0	0	0	-	0	-
	Tables to be rekeyed manually		0	-	0	0	0	0		
	Tables requiring review		0	-	0	0	-	0	-	-
2 Overview	Excluded tables		0	0	0	0	0	0	0	0
Results										
Result Areas										
Type Consolidation stage										
Plan consistency checks										
🗱 Workflow										
Customizing Data										
A Hard-coded Literals										
Lustom Objects										

The buttons on this screen operate by clicking the right hand down arrow details on what each button does are as below.

The 'Update' button Update allows the user to run the programs for this phase individually, however, it is recommended the user does not use this and completes this through the operation drawer as this adds greater clarity.

The 'Categorize' button Categorize a lows to to re-categorize a table by highlighting it and selecting the new category you require from the list.

The 'Translation Data' button **Translation data** shows the data that has been translated during this phase as below, the most important part here is the old value and new value. The export option provides an extract of the grid in mandatory CSV format this allows a record of the translated data to be easily exported.

	Translation data : Plan 000000032											
Ľ												
	Translated values											
	System	Table	Field	Data elem.	Domain	Old value	New value					
	0016	TVAK	AUART	AUART	AUART	01	X001					
	0016	TVAK	AUART	AUART	AUART	AG	X002					
	0016	TVAK	AUART	AUART	AUART	ТА	X003					
	0016	TVAK	AUART	AUART	AUART	ZAB	X004					
	0016	TCA43	SEL_ID	CP_SEL_ID	CP_SEL_ID	01	Z4					
	0016	TCA43	SEL_ID	CP_SEL_ID	CP_SEL_ID	02	Z5					
	0016	TCA43	SEL_ID	CP_SEL_ID	CP_SEL_ID	03	Z6					
	0016	TCA43	SEL_ID	CP_SEL_ID	CP_SEL_ID	04	Z7					
	0016	TCA43	SEL_ID	CP_SEL_ID	CP_SEL_ID	10	Z8					
	0016	TVEP	ETTYP	ETTYP	ETTYP	ZN	X1					
	0016	TVFK	FKART	FKART	FKART	BV	X001					
	0016	TVFK	FKART	FKART	FKART	L2	X002					
	0016	TINC	INCO1	INCO1	INCO1	CFR	Z01					
	0016	TINC	INCO1	INCO1	INCO1	CIF	Z02					
	0016	TINC	INCO1	INCO1	INCO1	FAS	Z03					
	0016	TINC	INCO1	INCO1	INCO1	FOB	Z04					

The 'Workflow' button Horkflow allows the user to open and close this phase.

The 'Overview' button coverview allows the user to view the reports for this phase, see the <u>Reporting</u> section for more details.

The tab holds information on all the table contents required to be translated, explanations for what each column represents are provided below the screenshot.

Ralysis Cecision Stransfer											
Update     Categorize	Trans	lation data	<b>≩</b> ⇒ Workf	low 🖌 🔊 Ov	erview						
Customizing Tables		Status	Tables	Rows (D01)		Kev conf.	Identical	Dif. rows	Non ex.	Trans.	
• SRM_PROP_MT_I_CU	•	Not transla	1	0	0	. 0	0	0	0	0	
• 🔟 SRM_PROP_MT_S_CU	•	Not transla	1	0	0	0	0	0	0	0	
• 🛄 SRM_PROP_MT_T_CU	•	Not transla	1	0	0	0	0	0	0	0	
<ul> <li>SRM_PROP_QUER_CU</li> </ul>	•	Not transla	1	0	0	0	0	0	0	0	
SRM_PROP_VISL_CU	•	Not transla	1	0	0	0	0	0	0	0	
<ul> <li>SRM_PROP_VISU_CU</li> </ul>	•	Not transla	1	0	0	0	0	0	0	0	
SRSERVER	•	Not transla	1	0	0	0	0	0	0	0	
<ul> <li>III SRTFT_ASSIGN_IF</li> </ul>	•	Not transla	1	0	0	0	0	0	0	0	
<ul> <li>III SRTFT_ASSIGN_SEC</li> </ul>	•	Not transla	1	0	0	0	0	0	0	0	
<ul> <li>III SRTFT_NM_CFG_MAP</li> </ul>	X	Failed	1	0	0	0	0	0	0	0	
SRTFT_QUEUE	(i)	To confirm	1	0	0	0	0	0	0	0	
<ul> <li>III SRTFT_QUEUE_LG_T</li> </ul>	•	Not transla	1	0	0	0	0	0	0	0	
<ul> <li>III SRTFT_QUEUE_LOG</li> </ul>		Manual	1	0	0	0	0	0	0	0	
SRTVCORREL		Ignore	1	0	0	0	0	0	0	0	
SRTVEXTID	•	Not transla	1	774	1.102	774	774	0	0	0	
SRTVLEXENT		Translated	1	3.094	5.818	2.997	2.023	974	97	974	
SRTVLEXICO		Translated	1	2	2	2	0	2	0	2	
SRTVOCCUR		Translated	1	11.161	22.984	1.425	1.146	279	9.736	279	
SRTVSTOPLS	•	Not transla	1	0	0	0	0	0	0	0	
<ul> <li>III SRT_ALT_HOSTS</li> </ul>	•	Not transla	1	0	0	0	0	0	0	0	
SRT_IDENTIFIER	•	Not transla	1	0	0	0	0	0	0	0	

Status – This contains the status of the translation, all of the options are seen in the screenshot above with explanations below

- Not Translated this has not been translated
- Translated this has been translated
- Failed the translation failed
- Ignore this can be ignored
- · To confirm Acts as a reminder that details are to be confirmed
- Manual to be completed manually

Tables – This contains the number of tables

Rows – This contains the number of rows of data

#### Key Conflict - This contains the number of rows with a conflicting key

Identical – This counts the number of identical rows between the two systems

### Different Rows – Rows where the key conflicts, but the data is different

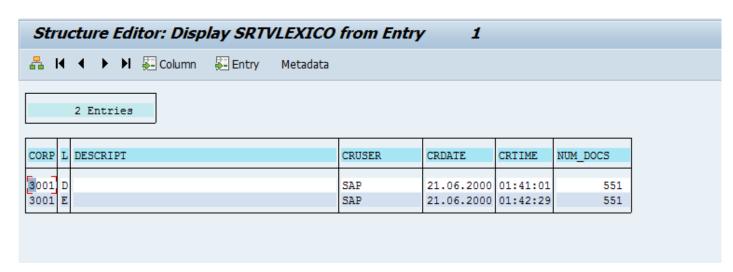
Non Ex. - Lines not existing in the target system

#### Trans. – The number of translations

On a table row all of the numbers in the columns apart from 'Table' the data can be clicked and reviewed.

🛛 🗟 Analysis 🛛 🧹 Decision 🛛 🗱 Execution	● Transfer	·										
🔁 🕼 Update 💶 🖸 Categorize 💶 🌌 Translation data												
Customizing Tables	Status	Tables	Rows (D01)	Rows (D02)	Key conf.	Identical	Dif. rows	Non ex.	Trans.			
<ul> <li>SRM_PROP_MT_I_CU</li> </ul>	Not tr	1	0	0	0	0	0	0	(			
<ul> <li>SRM_PROP_MT_S_CU</li> </ul>	Not tr	1	0	0	0	0	0	0	(			
<ul> <li>SRM_PROP_MT_T_CU</li> </ul>	Not tr	1	0	0	0	0	0	0	(			
<ul> <li>III SRM_PROP_QUER_CU</li> </ul>	Not tr	1	0	0	0	0	0	0	(			
<ul> <li>III SRM_PROP_VISL_CU</li> </ul>	Not tr	1	0	0	0	0	0	0				
<ul> <li>III SRM_PROP_VISU_CU</li> </ul>	Not tr	1	0	0	0	0	0	0				
SRSERVER	Not tr	1	0	0	0	0	0	0				
<ul> <li>III SRTFT_ASSIGN_IF</li> </ul>	Not tr	1	0	0	0	0	0	0				
<ul> <li>III SRTFT_ASSIGN_SEC</li> </ul>	Not tr	1	0	0	0	0	0	0				
<ul> <li>III SRTFT_NM_CFG_MAP</li> </ul>	🦲 Failed	1	0	0	0	0	0	0				
SRTFT_QUEUE	(É То со	1	0	0	0	0	0	0				
<ul> <li>III SRTFT_QUEUE_LG_T</li> </ul>	Not tr	1	0	0	0	0	0	0				
<ul> <li>III SRTFT_QUEUE_LOG</li> </ul>	🛛 Manual	1	0	0	0	0	0	0				
SRTVCORREL	Ignore	1	0	0	0	0	0	0				
SRTVEXTID	Not tr	1	774	1.102	774	774	0	0				
SRTVLEXENT	Transl	1	3.094	5.818	2.997	2.023	974	97	97			
SRTVLEXICO	Transl	1	2	2	2	0	2	0				
SRTVOCCUR	Transl	1	11.161	22.984	1.425	1.146	279	9.736	27			
SRTVSTOPLS	Not tr	1	0	0	0	0	0	0				
<ul> <li>III SRT_ALT_HOSTS</li> </ul>	Not tr	1	0	0	0	0	0	0				

Example of results retrieved.



Note that the standard SAP display does not display large numbers of entries, to see all entries, select 'Object' then 'Display Entire List' as below.

C	<u>O</u> bject	<u>E</u> dit	<u>G</u> oto	U	tilities	<u>S</u> ettings	S <u>v</u> stem	<u>H</u> elp
6	Display	. Entire	List		K 🛛	🧟 🚫	👷 I 🖨 (	ስ ለት በ
	<u>P</u> rint E	ntire Li	ist					
	E <u>x</u> it	S	hift+F3		splay	TB008	from E	ntry

There are also a number of options seen by using a right mouse click on a table.

The 'Display' option allows the user to display the table structures in each system or to compare the structures.

SRTVCORREL					
SRTVEXTID	<u>D</u> isplay	•	<u>D</u> isplay in D0	1	0
SRTVLEXENT	<u>S</u> how content	►	<u>D</u> isplay in D0	2	.094
SRTVLEXICO	<u>C</u> ategorize	►	<u>C</u> ompare str	uctures	2
SRTVOCCUR	<u>T</u> ranslation	- ► ]	Transl	1	11.161
<ul> <li>III SRTVSTOPLS</li> </ul>	Set Status	- <b>.</b>	Not tr	1	0
• 🛄 SRT_ALT_Hd	- <u>-</u>		Not tr	1	0
SRT_IDENTIFIE	र		Not tr	1	0
• 🛄 SRT_LP			Not tr	1	3

The 'Show Content' option allows the user to view the entries in each system or compare data.

SRTFT_QUEUE	LOG		🛛 Manual	1	0	0	
SRTVCORREL	Dianka		📕 🗖 Ignore	1	0	0	
SRTVEXTID	<u>D</u> isplay	•	A Not tr	1	774	1.102	
SRTVLEXENT	<u>S</u> how content	►	<u>C</u> ontent from	m system D	001	5.818	2
SRTVLEXICO	<u>C</u> ategorize	►	Content from	m system D	02	2	
SRTVOCCUR	Translation	- ▶	Compare co	ntents		22.984	1
<ul> <li>III SRTVSTOPLS</li> </ul>	Set Status		VINUCU	1		0	
SRT_ALT_HC	<u>Set Status</u>	-	Not tr	1	0	0	
	n		A Not to	1	0	0	

Data comparison option as below:

rab	le TBO	03										
"Dispi	y .	Filter source	Filter target	J Structure J P Trans	ation data							
	1617						7 (A) 1					
			1): 118 enti	rio(a)				ontent (D	121. 8 -	atria(a)		Modified content: No entry
		ROLECATEGORY		BPVIEW XSUPPRESS POSNR					RY STND_RO	LECAT BPVIEW XSUPPRESS	POSNR	CLIENT ROLE ROLECATEGORY STND_ROLECAT BPVIEW XSUPPRESS POSNR
	000000 BBP000		x	000000	* *	100	000000	BUP001		000000 BUP001		
	BBP000		x			100		BUP001 BUP002	L.	BUP001 BUP002		
	BBP001 BBP002					100		BUP002 BUP003	x	BUP002 BUP003		
	BBP002 BBP003		x x			100		BUP003 BUP004	X	BUP003		
	BBP003 BBP004		X			100		BUP004 BUP005	x	BUP005		
	BBP004		×			100	FS0000		^	F50001		
	BBP005 BBP006		x			100		BUP001	x	BUP001		
	BKK010			FS0001		100	EDOP'A	007001	^	000001		
	BKK020			F50001								
	BK0K030			F50001								
	BKK200			F50001								
	BUP001			BUP001								
				8UP002								
				BUP003								
				8UP004								
				BUP005								
				CACSA1								
				CACSA2								
100	CACSA3	CACSA3		CACSA3								
	CBIH10	CBIH10		CBIH10								
100	CBIH20	CBIH20	x	C83H20								
100	CLERK1	TR0995		F50002								
100	CLERK2	TR0995		FS0002								
100	CM5001	CM5001	х	F50001								
100	FLCU00	FLCU00	x	FLCU00								
100	FLCU01			FLCU01								
	FLVN00	FLVN00		FLVN00								
	FLVN01	FLVN01		FLVN01								
	FS0000			FS0001								
	F50003			F50003								
	FSOKNE			FS0001								
		HEA010		HEA010								
				HEA020								
		HEA030		HEA030								
				HEA040								
		HEA050		HEA050								
	HR1000			HR1000								
	MKK	МКК		MKK	-							

The 'Categorise' option allows the user to re-categorize a table by highlighting it and selecting the new category you require from the list. This is the same as the 'Categorize' button **Categorize**.

SRTFT_QUEUE	_LOG		🛛 Manual	1	0	0
SRTVCORREL	Disalari		🗖 Ignore	1	0	0
SRTVEXTID	<u>D</u> isplay	1	Not tr	1	774	1.102
SRTVLEXENT	<u>S</u> how content	→	Transl	1	3.094	5.818
SRTVLEXICO	<u>C</u> ategorize	•	<u>A</u> utomatic r	ekeying		2
SRTVOCCUR	Translation	•	Cannot be r	ekeyed au	tomatically	2.984
<ul> <li>III SRTVSTOPLS</li> </ul>	Cot Ctatus		- Must be rek	eved man	uslk.	0
• 🕅 SRT_ALT_HC_	<u>S</u> et Status	,	<u>M</u> ust be rek	eyeu man	ually	0
SRT_IDENTIFIE	R		<u>R</u> equires rev	view		0
<ul> <li>III SRT_LP</li> </ul>			Not tr	1	3	3
• 🛄 SRT_LP_SXI_AI	DDR		Not tr	1	0	0

The 'Translation' option allows the user to view the data that is going to be translated.

SRTFT_QUEUE_	LOG		🛛 Manual	1	0	0
SRTVCORREL	Dischar		🗖 Ignore	1	0	0
SRTVEXTID	<u>D</u> isplay	- 1	Not tr	1	774	1.102
<ul> <li>III SRTVLEXENT</li> </ul>	<u>S</u> how content	- F	Transl	1	3.094	5.818
SRTVLEXICO	<u>C</u> ategorize	⇒l	Transl	1	2	2
SRTVOCCUR	Translation	•	Maintain trar	nslations	.161	22.984
SRTVSTOPLS	_		VINUC U	1	0	0
SRT_ALT_HC	<u>S</u> et Status	_	Not tr	1	0	0
SRT_IDENTIFIE	R		♦Not tr	1	0	0

When selecting 'Maintain translations' the translations for this table are displayed and translated can be created and changed, this is similar to the 'Translation Data' button **Translation data** which shows all the data translated in this phase.

The 'Set status' option allows the user to set the status for this table, the details for each option are as below:

- Translated this has been translated
- Failed the translation failed
- Ignore this can be ignored
- To confirm Acts as a reminder that details are to be confirmed
- Manual to be completed manually
- Reset to initial resets the value to the original one

• III SRT_ALT_HO     0     0       • III SRT_IDENTIFIER     Eailed     0     0       • III SRT_LP     Confirmation pending     3     3       • III SRT_LP_SXI_ADDR     Manual rekeying     0     0	SRTVCORREL     SRTVEXTID     SRTVLEXENT     SRTVLEXICO     SRTVOCCUR     SRTVSTOPLS	<u>D</u> isplay <u>S</u> how content <u>C</u> ategorize <u>T</u> ranslation Set Status	* * *	<ul> <li>Ignore</li> <li>Not tr</li> <li>Transl</li> <li>Transl</li> <li>Transl</li> <li>Transl</li> <li>Transl</li> </ul>	1 1 1 1	0 774 3.094 2 11.161 0	0 1.102 5.818 2 22.984 0
	• SRT_LP	_			ing	3	3

When you have reviewed the translations and are certain you are ready to close the phase use the option on the 'Workflow' button workflow and select close phase. Continue to the next phase <u>Execution Phase</u>

Upon closure of this phase the Hard Code Literals stage can start.

## **Execution Phase**

The Execution phase is broken down into two section the operation of the run and then viewing the results.

- Operation
- <u>Results</u>

# Operation

The first task is to open the analysis phase go to the 'Configuration' drawer and open the 'Plans' and then open the workflow tab.

CONTEXT	
s Plan	
ECC Consolidation	✓
Status : Active	
Solution 2010 Sector 2010 Sect	
🔁 Results	
Dperation	
🔆 Configuration	
Configuration	options
Type Description	
Steps	
Caroups	
Process chains	
Systems Plans	
Pians	

In the workflow tab select the stage 'Customizing Data' phase 'Execution' and press the 'Open Phase button, the phase is now open for operations.

🔄 Display of plan 90000002	7						
Header							
Plan name	ECC Consolid	dation			Stat	tus Activ	/e
🛎 Header 🖉 🛱 Work	flow						
Consolidation wo							
Type Stage	Phase	St. Status	Opened by	Opened on	Closed by	Closed on	
Customizing data	Analysis	Closed	TENGLAND	12.02.2016	TENGLAND	22.02.2016	
Customizing data	Decision	Closed	TENGLAND	22.02.2016	TENGLAND	24.02.2016	
Customizing data	Execution	🚽 Open	TENGLAND	24.02.2016			
Customizing data	Transfer	٥					

With the execution phase now open go to the 'Operation' drawer and select the 'Customizing execution' phase and press the 'Execute' button.

Consolidation Cockpit											
CONTEXT	Execute Schedule										
ुन्ने Plan	Process chain	Reference	Act.	Order System	Select	St. Status	St. date	St. time	End date	End time	Est. time
ECC Consolidation	<ul> <li>S Customizing execution</li> </ul>	010	1		-						
	<ul> <li>Execute translation for customizing tables</li> </ul>	000000036	1	1 D01	<b>v</b>						
Status : Active											
S Overview											
Results											
Set Operation											
Execute Sun history											
Process chains											
St. Chain name Op.											
Customizing analysis											
Customizing decision											
St. Chain name Op.  Customizing analysis  Customizing decision  Customizing execution  Customizing transfer											
🗡 Hard coded literals analysis 🛛 🔓											

Selecting the execute button again will trigger the programs that are required to run for analysis with their default settings, pressing the refresh button will show the progress of the analysis programs running.

🔁 📾 Abort 💶 Log												
Process chain	Reference	Act.	Order	System	Select	St.	Status	St. date	St. time	End date	End time	Est. time
<ul> <li>Eustomizing execution</li> </ul>	010	1			$\checkmark$	400 005	In pro	24.02.2	11:03:25			
<ul> <li>Execute translation for customizing tables</li> </ul>	000000036	1	1	D01	<	60g	In pro	24.02.2	11:03:25			

Once complete the programs will have a status of finished, you are now ready to progress to the results screen.

🚱 📼 Abort 🔎 Log												
Process chain	Reference	Act.	Order	System	Select	St.	Status	St. date	St. time	End date	End time	Es
<ul> <li>Eustomizing execution</li> </ul>	010	1			<		Finished	24.02.2016	11:03:25	24.02.2	11:04:01	
<ul> <li>Execute translation for customizing tables</li> </ul>	000000036	1	1	D01	<		Finished	24.02.2016	11:03:25	24.02.2	11:04:01	

## Results

The Execution phase of the Customizing Data stage allows you to view the changes that have been made to the Customizing Data.

Once the Execution programs have run from the <u>Operation</u> section it is time to view the results, go to the 'Results' drawer and select the 'Customizing Data' and click the 'Execution' tab.

The results are broken down by the following categories, this phase only includes the root tables identified by Consolidator.

Tables rekeyed automatically – The table can be rekeyed automatically without any involvement from the user

Tables that cannot be rekeyed automatically – The table has a limit of keys that can be added, for example, tables that only have a key of client (MANDT) so only one entry per client is allowed

Tables to be rekeyed manually – The table has been identified as being required to be rekeyed manually Tables requiring review – The table can be rekeyed automatically, however, it should be reviewed to ensure the integrity of the system

Non root tables - The non root tables

Excluded tables - Tables that were excluded during the Analysis phase

🖉 Analysis 🖌 🥜 Decision 🗡 🍀 Execution	o <sup>2</sup> → Transfe	r								
Dig Update     Dig Workflow   Market Overview										
Customizing Tables	Status	Tables	Rows (D01)	Rows (D02)	Key conf.	Identical	Dif. rows	Non ex.	Trans.	Modif.
<ul> <li>All table categories</li> </ul>		3.582	1.593.205	232.451	184.935	183.660	1.275	23.382	1.255	11.161
Tables rekeyed automatically		1.158	148.968	34.997	8.359	7.104	1.255	10.004	1.255	11.161
Tables that cannot be rekeyed automatically		0	0	0	0	0	0	0	0	0
Tables to be rekeyed manually		0	0	0	0	0	0	0	0	0
Tables requiring review		0	0	0	0	0	0	0	0	0
Non root tables		2.424	1.444.237	197.454	176.576	176.556	20	13.378	0	0
Excluded tables		0	0	0	0	0	0	0	0	0

The buttons on this screen operate by clicking the right hand down arrow details on what each button does are as below.

The 'Update' button Update allows the user to run the programs for this phase individually, however, it is recommended the user does not use this and completes this through the operation drawer as this adds greater clarity.

The 'Workflow' button I allows the user to open and close this phase.

The 'Overview' button 2000 allows the user to view the reports for this phase, see the Reporting section for more details.

The tab holds information on all the tables and what happened through the execution, explanations for what each column represents are provided below the screenshot.

😪 Analysis 🛛 🥜 Decision 🖉 🍀 Exe	cutio	n 🛛 🖓 Transfe	er								
🔁 🕼 Update 👔 🗱 Workflow 🗐 👧 🕻	Overvi	ew 🔺									
Customizing Tables		Status	Tables	Rows (D01)	Rows (D02)	Key conf.	Identical	Dif. rows	Non ex.	Trans.	Mo
SRTFT_QUEUE	۵	Not executed	1	0	0	0	0	0	0	0	0 -
SRTFT_QUEUE_LG_T	•	Not executed	1	0	0	0	0	0	0	0	0
SRTFT_QUEUE_LOG	•	Not executed	1	0	0	0	0	0	0	0	C
SRTVCORREL	•	Not executed	1	0	0	0	0	0	0	0	C
SRTVEXTID	•	Not executed	1	774	1.102	774	774	0	0	0	C
SRTVLEXENT	•	Not executed	1	3.094	5.818	2.997	2.023	974	97	974	C
SRTVLEXICO	•	Not executed	1	2	2	2	0	2	0	2	C
SRTVOCCUR		Executed	1	11.161	22.984	1.425	1.146	279	9.736	279	11.161
SRTVSTOPLS	Ì	Failed	1	0	0	0	0	0	0	0	C
SRT_ALT_HOSTS		No modification	1	0	0	0	0	0	0	0	C
SRT_IDENTIFIER	•	Not executed	1	0	0	0	0	0	0	0	C
SRT_LP	•	Not executed	1	3	3	3	3	0	0	0	C
SRT_LP_SXI_ADDR	•	Not executed	1	0	0	0	0	0	0	0	C
SRT_MONILOG_CUST	•	Not executed	1	1	1	1	1	0	0	0	C
SRT_MONI_NAVI_C	•	Not executed	1	0	0	0	0	0	0	0	C
SRT_REGISTRY	•	Not executed	1	33	33	33	33	0	0	0	C
SRT_REG_OPERAT	•	Not executed	1	29	29	29	29	0	0	0	C

Status – This contains the status of the execution, all of the options are seen in the screenshot above with explanations below

- · Not Executed this has not been executed, if no data needs to be executed this status is correct
- · Executed this has been executed
- Failed there has been a failure and this needs to be looked into
- · No Modification the translation failed

Tables – This contains the number of tables

Rows – This contains the number of rows of data

Key Conflict – This contains the number of rows with a conflicting key

Identical - This counts the number of identical rows between the two systems

### Different Rows – Rows where the key conflicts, but the data is different

- Non Ex. Lines not existing in the target system
- Trans. The number of translations
- Modif. The number of modifications that have been made in the controller system

On a table row all of the numbers in the columns apart from 'Table' the data can be clicked and reviewed.

Ralysis 🖌 🎸 Decision	n 🖉 Execution	o∯ Tra	ansfer								
🔁 🕼 Update 🔒 🗱 Workf	low 🗐 🔊 Overview										
Customizing Tables	Status	Tables	Rows (CN1)	Rows (CN2)	Key conf.	Identical	Dif. rows	Non ex.	Trans.	Modif.	
<ul> <li>All table categories</li> </ul>		271	192,753	893,392	192,651	183,285	9,366	102	0	1,703	*
🕨 🚞 Tables rekeyed auto		73	1,590	1,590	1,589	1,570	19	1	0	49	-
🕨 🚞 Tables that cannot t		0	0	0	0	0	0	0	0	0	#
🕨 🚞 Tables to be rekeye		0	0	0	0	0	0	0	0	0	
🕨 📄 Tables requiring revi		0	0	0	0	0	0	0	0	0	
<ul> <li>Mon root tables</li> </ul>		198	191,163	891,802	191,062	181,715	9,347	101	0	1,654	
<ul> <li>BLK_REASON_TO</li> </ul>	Not executed	1	0	0	0	0	0	0	0	0	
• 🛄 C000	Not executed	1	0	0	0	0	0	0	0	0	
• 🛄 C001	Not executed	1	4,799	4,799	4,799	4,799	0	0	0	0	
• 🛄 C002	Not executed	1	<u>1,554</u>	1,554	1,554	1,554	0	0	0	0	
• 🔟 C003	Not executed	1	1,112	1,112	1,112	1,112	0	0	0	0	

Example of results retrieved.

St	ru	cture	e Edi	itor:	Di	spla	ay COO2 f	rom Entr	y 1
4	M	•	► H	📒 Co	olum	n	📒 Entry 🛛 🛚	letadata	
	1	554 Er	ntrie	3					
MAN	KA	KSCH	KTOP	VKOR	ΚT	KVS	SAKN1	SAKN2	
800	v	KOFI	CACA	0001	02	ERL			
800				0001					
800	v	KOFI	CACA	0002	01	ERL			
800	V	KOFI	CACA	0002	02	ERL			
800	V	KOFI	CACA	0002	03	ERL			
800	V	KOFI	CACA	0006	01	ERB			
800	V	KOFI	CACA	0006	01	ERF			
800	V	KOFI	CACA	0006	01	ERL			
800	V	KOFI	CACA	0006	01	ERS			
800	V	KOFI	CACA	0006	01	ERU			
800	V	KOFI	CACA	0006	01	MWS	0000175000		
800	V	KOFI	CACA	0006	02	ERB			

Note that the standard SAP display does not display large numbers of entries, to see all entries, select 'Object' then 'Display Entire List' as below.



In the same manner the modified rows can be clicked and reviewed.

🛛 🗟 Analysis 🛛 🞸 Decision		🗱 Execution	o∰ Tra	ansfer								
🔁 🕼 Update 🔒 🗱 Workf	ow	🖌 🔊 Overview										
Customizing Tables		Status	Tables	Rows (CN1)	Rows (CN2)	Key conf.	Identical	Dif. rows	Non ex.	Trans.	Modif.	
• 🔟 T16LC	٥	Not executed	1	403	403	403	403	0	0	0	0	
• 🔟 T16LH	$\diamond$	Not executed	1	8	8	8	8	0	0	0	0	
• T16LI	$\diamond$	Not executed	1	13	13	13	13	0	0	0	0	
• T16LL	$\diamond$	Not executed	1	39	39	39	39	0	0	0	0	
• T170	$\diamond$	Not executed	1	0	0	0	0	0	0	0	0	
<ul> <li>T175DP_STATE</li> </ul>	$\diamond$	Not executed	1	0	0	0	0	0	0	0	0	
• 1175DP_TEXT	$\diamond$	Not executed	1	90	90	90	90	0	0	0	0	
• 🔟 T184		Executed	1	10,023	10,023	10,023	10,023	0	0	0	255	
• 🔟 T409	$\diamond$	Not executed	1	72	72	72	72	0	0	0	0	
• 🔟 T410	$\diamond$	Not executed	1	7	7	7	7	0	0	0	0	

Example of results retrieved.

St	ruct	ure l	Edito	or: D	)ispla	ay T.	184	fron	n Em	try		1					
A	H (		N 🖁	Colu	mn	📒 Ent	try	Metad	ata								
	255	Entri	ies														
MAN	AUAR	MTPO	VWPO	UEPS	PSTY	PSTY	PSTY	PSTY	PSTY	PSTY	PSTY	PSTY	PSTY	PSTY	PSTY	PSTY	ERNAM
800	X001				0001												BACH
	X002		TEXT		AGTX												BACH
		0002			AGC	AGN											PROUSE
		0003			AGPK												
800	X002	0004			AGM	AGC											
800	X002	BANS			AGN	AGNN											BACH
800	X002	DIEN			AGX												BACH
800	X002	DIEN		AGN	AGX												BACH
800	X002	LEIC			AGX												SAP
800	X002	LEIC		AGN	AGX												SAP
800	X002	LEIS			AGX												BACH
000	X002	LEIS		AGN	AGX												BACH

There are also a number of options seen by using a right mouse click on a table.

The 'Display' option allows the user to display the table structures in each system or to compare the structures.

SXMSINTERFACE	Not exe	cuted 1		0	0	0
SXMSMSGFILTER	Not exe	ecuted	1	0	0	0
SXMS_BCFG_MAS <sup>T</sup>	A Not ave	cutod	1	2	2	2
SXMS_EOIO_STA	<u>D</u> isplay	<u>D</u> isplay in	D01		0	0
SXNODES	Show content	Display in	D02		1	1
SXPARAMS	Translation	Compare	structures		1	1
SXPGBTCINF	Set Status	uceu .	1		0	0
SXPGCOSTAB	<u>set status</u>	uted	1	3	0	0
SXTELMOIN	Not exe	ecuted	1	0	0	0
SYSCOMP_RUN	<ul> <li>Not exe</li> </ul>	ecuted	1	19	0	0

The 'Show Content' option allows the user to view the entries in each system or compare data.

SXMSINTERFACE     SXMSMSGFILTER     SXMS BCFG MAST	•	Not exec Not exec	uted	1 1 1	0 0 2	0 0	0 0 2	0 0 2
<ul> <li>SXMS_EOIO_STA</li> </ul>	<u>D</u> isplay		uted	1	0	0	0	0
SXNODES	<u>S</u> how conter	nt 🕨 🕨	<u>C</u> onte	ent from syst	em D01		1	1
SXPARAMS	<u>T</u> ranslation		<u>C</u> onte	ent from syst	em D02		1	1
SXPGBTCINF     SXPGCOSTAB	Set Status	•	<u>M</u> odif	ied content	from system D0	1	0	0
SXTELMOIN	<b>♦</b>	Not exe	<u>C</u> omp	are content	5		õ	Ő
SYSCOMP_RUN	•	Not exec	uted	1	19	0	0	0
T000	•	Not exec	uted	1	5	4	4	4

Compare data option as below:

Та	ble	тво	03												
*Dis	play		Filter source	- Filter target		Structure J 🚰 Transl	ation data								
		1						_		- (A) -					
				1): 118 en	rio(c)						ontent (D0	12). 8 0	ntrie(c)		Modified content: No entry
00		LE F	ROLECATEGOR	Y STND_ROLECAT	000000	XSUPPRESS POSNR			CLIEN 100	000000	ROLECATEGOR	Y STND_RO	LECAT BPVIEW XSUPPRE	SS POSNR	CLIENT ROLE ROLECATEGORY STND_ROLECAT BPVIEW XSUPPRESS POSNR
00			BBP000	x	000000			÷	100	BUP001	BUDDD1		BUP001		
00			BBP000	0					100	BUP002		x	BUP002		
00			BBP002	x					100	BUP002		x	BUP002		
00			BBP003	x					100	BUP004		x	BUP004		
00			BBP004	x					100	BUP005		x	BUP005		
00			BBP005	x					100	FS0000			F50001		
00			BBP006	x					100	ZBUPA	BUP001	x	BUP001		
00			BKK010	x	FS0001										
00			BKK020	x	F50001										
00			BKK030	x	F50001										
00	BK	200	BKK200	x	F50001										
00	BUI	P001 8	BUP001		BUP001										
00	BU	P002 8	BUP002	x	BUP002										
00	BUI	P003 8	BUP003	x	BUP003										
00	BU	P004 8	BUP004	x	BUP004										
00	BUI	P005 8	BUP005	x	BUP005										
00	CA	CSA1	CACSA1	x	CACSA1										
00	CA	CSA2	CACSA2	х	CACSAZ										
00	CA	CSA3	CACSA3	x	CACSA3										
00	CBI	H10 (	CBIH10	x	CBIH10										
00	CBI	H20 (	CBIH20	x	C83H20										
00			TR0995		F50002										
00			TR0995		FS0002										
00			CM5001	х	FS0001										
00			FLCU00	x	FLCU00										
00			FLCU01	x	FLCU01										
00	FLV	/N00 F	FLVN00	x	FLVN00										
00			FLVN01	х	FLVN01										
00		0000			FS0001										
00			F50003	x	F50003										
00			FSOKNE	x	FS0001										
00			HEA010	x	HEA010										
00			HEA020	x	HEA020										
00			HEA030	x	HEA030										
00			HEAD40	x	HEA040										
00			HEA050	x	HEA050										
00			HR1000	x	HR1000			-							
00	MK		MKK	X	MKK			Ŧ							

The 'Translation' option allows the user to view the data that has been translated and the impact.

SXMSMSGFILTER     SXMS_BCFG_MAS <sup>T</sup>		executed	1	0	0
SXMS_EOIO_STA	<u>D</u> isplay	▶ uted	1	0	0
SXNODES	<u>S</u> how content	uted	1	1	1
SXPARAMS	Translation	▶ <u>S</u> h	ow translations		1
SXPGBTCINF     SXPGCOSTAB	<u>S</u> et Status	► I	anslations impact		0
SXTELMOIN	Not	executed	1	0	0
SYSCOMP_RUN	Not	executed	1	19	0

The translation impact.

System Data elem. Value 0016 AUART 01	e Value Ta	ble Field	Domain By	Changed on
0016 ALIART 01			Domain by	changed on
UUIO AUAKI UI	X001 TV	/AK AUART	AUART ABEKKAT	T 18.02.2016
0016 AUART AG	X002 TV	AK AUART	AUART ABEKKAT	T 18.02.2016
0016 AUART TA	X003 TV	AK AUART	AUART ABEKKAT	T 18.02.2016
0016 AUART ZAB	X004 TV	AK AUART	AUART ABEKKAT	T 18.02.2016
00:	16 AUART TA	16 AUART TA X003 TV	16 AUART TA X003 TVAK AUART	16 AUART TA X003 TVAK AUART AUART ABEKKAT

The 'Set status' option allows the user to set the status for this table, the details for each option are as below:

- Executed this has been executed
- · Failed there has been a failure and this needs to be looked into
- No Modification the translation failed
- Reset to initial resets the value to the original one

SXMSMSGFILTER		Not	t exe	cuted	1	0	0	0
SXMS_BCFG_MAS		A Not	t ovo	ruted	1	2	2	2
SXMS_EOIO_STA	<u>D</u> isplay		►	uted	1	0	0	0
SXNODES	<u>S</u> how o	ontent	•	uted	1	1	1	1
SXPARAMS	Translat	tion	•	uted	1	1	1	1
SXPGBTCINF	Set Sta			Exec	utod	0	0	0
SXPGCOSTAB	<u>3</u> et 3ta	icus		-		3	0	0
SXTELMOIN		Not	t exe	<u>F</u> ailed		0	0	0
SYSGOMP_RUN		🔷 Not	t exe	<u>N</u> o m	odification	19	0	0
T000		🔷 Not	t exe	Rese	t to initial	5	4	4
T002_SUBSTITUTE		🔷 Not	t exe	cuteu	1	0	0	0
T006D		🔷 Not	t exe	cuted	1	49	49	49

When you have reviewed the translations and are certain you are ready to close the phase use the option on the 'Workflow' button workflow and select close phase. Continue to the next phase <u>Transfer</u> <u>Phase</u>

### **Transfer Phase**

The Execution phase is broken down into two section the operation of the run and then viewing the results.

- Operation
- <u>Results</u>

# Operation

The first task is to open the analysis phase go to the 'Configuration' drawer and open the 'Plans' and then open the workflow tab.

CONTEXT			
s Plan			
ECC Consolidati	on		✓
Status : Active	•		
🔊 Overview			
🔁 Results			
E Operation			
Configuration			
Configurat	ion o	ptions	
Type Description			
• <u>Steps</u>			
백물 <u>Groups</u>			
Process ch       Systems	lains		
Systems Plans	_		

In the workflow tab select the stage 'Customizing Data' phase 'Transfer' and press the 'Open Phase' button, the phase is now open for operations.

🕞 Display of plan 90000002	7						×
Header							
Plan name	ECC Consol	idation			Stat	tus Act	tive
🖉 Header 🖉 🕸 Work	flow						
🔁 🔓 Open phase 🔒 Cl	ose phase						
Consolidation wo	orkflow						
Type Stage	Phase	St. Status	Opened by	Opened on	Closed by	Closed on	
Customizing data	Analysis	Closed	TENGLAND	12.02.2016	TENGLAND	22.02.2016	
Customizing data	Decision	Closed	TENGLAND	22.02.2016	TENGLAND	24.02.2016	
Customizing data	Execution	Closed	TENGLAND	24.02.2016	TENGLAND	26.02.2016	
Customizing data	Transfer	🔓 Open	TENGLAND	28.02.2016			

With the execution phase now open go to the 'Operation' drawer and select the 'Customizing transfer' phase and press the 'Execute' button.

Consolidation Cockpit												
CONTEXT	🕢 📾 Abort 💶 Log											
se Plan	Process chain	Reference	Act.	Order System	Select	St.	Status	St. date	St. time	End date	End time	E
ECC Consolidation	<ul> <li>S Customizing transfer</li> </ul>	011	1		<b>v</b>		Pending					
	<ul> <li>Create table content transport</li> </ul>	000000037	1	1 D01	$\checkmark$		Pending					
Status : Active	<ul> <li>Copy table content transport to remote system</li> </ul>	000000038	/	2 D01	1		Pending					
@Overview												
Results												
Section												
Execute BRun history												
Process chains												
St. Chain name Op.												
St. Chain name Op. Customizing analysis Customizing decision Customizing execution Customizing execution												
Customizing decision												
Customizing execution												
Customizing transfer												
Hard coded literals analysis												
Hard coded literals decision												
Hard coded literals execution												
Custom objects analysis												
Custom objects decision												
Custom objects execution												
Custom objects transfer 🛛 🗞												

Selecting the execute button again will trigger the programs that are required to run for analysis with their default settings, pressing the refresh button will show the progress of the analysis programs running. Once complete the programs will have a status of finished, you are now ready to progress to the <u>Results</u> screen.

Consolidation Cockpit											
CONTEXT	🖙 Back 🛛 🕢 Abort 💶 Log 🔯 Job overview										
ුම Plan	Process chain	Reference	Act.	Order System	St.	Status	St. date	St. time	End date	End time	Est. time
ECC Consolidation	<ul> <li>S Customizing transfer</li> </ul>	011	/			Finished	29.02.2016	10:04:10	29.02.2016	10:16:43	
	<ul> <li>Create table content transport</li> </ul>	000000037	1	1 D01		Finished	29.02.2016	10:04:10	29.02.2016	10:12:07	
Status : Active	<ul> <li>Copy table content transport to remote system</li> </ul>	000000038	/	2 D01		Finished	29.02.2016	10:12:07	29.02.2016	10:16:43	
2 Overview											
Results											
Deration											
Execute Run history											
Process chains											
St. Chain name Op.											
Customizing analysis											
Customizing decision											
Customizing analysis Customizing decision Customizing execution											
🗡 Customizing transfer 🛛 🔓											
🗡 Hard coded literals analysis 🛛 🔒											
Hard coded literals decision											
Hard coded literals execution											
Custom objects analysis											
Custom objects analysis Custom objects decision											
Custom objects execution											
Custom objects transfer											

### Results

The Transfer phase of the Customizing Data stage is the final stage as transports are completed and can then be deployed to the destination system.

Once the Execution programs have run from the <u>Operation</u> section it is time to view the results, go to the 'Results' drawer and select the 'Customizing Data' and click the 'Transfer' tab.

The results are broken down by the following categories, this phase only includes the root tables identified by Consolidator.

Modified Content and non existing keys – Records which did not exist with the non key data modified Modified Content – Records with keys that existed with the non key data modified Non-existing keys only – Records which did not exist in the target ready to be transferred

Consolidation Cockpit												
CONTEXT	🗟 Analysis 🛛 🎸 Decision 🛛 😫 Exe	ecution 🖉 🖓 1	Fransfer									_
Plan ECC Consolidation	Dupdate Exclude I	orkflow 🔒 െ C	verview 🔒									
	Customizing Tables	Status	Excl. Tables	Rows (D01)	Rows (D02)	Key conf.	Iden	Dif. rows	Non ex.	Trans.	Modif.	
Status : Active	<ul> <li>All table categories</li> </ul>		128	1.066.961	186.870	142.374	141.115	1.259	23.382	1.253	11.161	
Overview	Modified content and non existing		1	11.161	22.984	1.425	1.146	279	9.736	279	11.161	Ŧ
	SRTVOCCUR	Transferred	1	11.161	22.984	1.425	1.146	279	9.736	279	11.161	
Results	Modified content only		0	0	0	0	0	0	0	0	0	
Result Areas	Non existing keys only		127	1.055.800	163.886	140.949	139.969	980	13.646	974	0	
	• []] CREP	Transferred	1	96	66	65	65	0	1	0	0	
Type Consolidation stage	<ul> <li>CREP_R3DB</li> </ul>	Transferred	1	86	56	55	55	0	1	0	0	
Plan consistency checks	DBCONUSR	Transferred	1	1	1	0	-	0	1	0	0	
Workflow	• HRP1002	Transferred	1	3	3	2	2	0	1	0	0	
Customizing Data	<ul> <li>HRT1002</li> </ul>	Transferred	1	1	2	0	0	0	1	0	0	
Real Hard-coded Literals	OPSYSTEM	Transferred	1	25	22	21	21	0	1	0	0	
Lastom Objects	PARAMVALUE	Transferred	1	6	6	5	5	0	1	0	0	
	<ul> <li>SDBSYSTEMS</li> </ul>	Transferred	1	1	1	0	0	0	1	0	0	
	SDOKDOCSP	Transferred	1	20	19	18	18	0	1	0	0	
	<ul> <li>SDOKSTCAE</li> </ul>	Transferred	1	118	83	82	82	0	1	0	0	
	<ul> <li>SSM_STAT</li> </ul>	Transferred	1	2	1	0	0	0	1	0	0	
	SWFDEVTYP	Transferred	1	659	50	49	49	0	1	0	0	
	<ul> <li>SXROUTE</li> </ul>	Transferred	1	8	1	0	0	0	1	0	0	
	• []] T77AP	Transferred	1	5	3	2	2	0	1	0	0	
	• []] T77CD	Transferred	1	16	5	4	4	0	1	0	0	
	• []] T77PA	Transferred	1	20	7	6	6	0	1	0	0	
9 Operation	• 🛄 T77RO	Transferred	1	6	5	4	4	0	1	0	0	Ŧ
2 Configuration	4 Þ											
About												_

The buttons on this screen operate by clicking the right hand down arrow details on what each button does are as below.

The 'Update' button Update allows the user to run the programs for this phase individually, however, it is recommended the user does not use this and completes this through the operation drawer as this adds greater clarity.

The 'Exclude' button **Exclude** allows the user to exclude tables from being transferred, they can also be added back in this phase if the decision needs to be reversed. Note this is different to the 'Exclude' button **Exclude** in the analysis phase.

The 'Workflow' button Workflow allows the user to open and close this phase.

The 'Overview' button 2 allows the user to view the reports for this phase, see the <u>Reporting</u> section for more details.

The tab holds information on all the tables and what happened through the execution, explanations for what each column represents are provided below the screenshot.

CONTEXT	😪 Analysis 🖌 💞 Decision 🛛 🍀 Exe	ecution 📝 🖓	Transfer									
න් Plan												
ECC Consolidation	Dpdate Dpdate Web	orkflow 🖬 🔝 🤇	verview 🔒									
	Customizing Tables	Status	Excl. Tables	Rows (D01)	Rows (D02)	Key conf.	Iden	Dif. rows	Non ex.	Trans.	Modif.	
Status : Active	<ul> <li>All table categories</li> </ul>		128	1.066.961	186.870	142.374	141.115	1.259	23.382	1.253	11.161	
Overview	Modified content and non existing		1	11.161	22.984	1.425	1.146	279	9.736	279	11.161	
	SRTVOCCUR	Transferred	1	11.161	22.984	1.425	1.146	279	9.736	279	11.161	
2 Results	Modified content only		0	-	0	0	0	0	-	0	0	
Result Areas	<ul> <li>Pon existing keys only</li> </ul>	_	127	1.055.800	163.886	140.949		980			0	
	• [[]] CREP	Transferred	1	96	66	65	65	0	-	0	-	
ype Consolidation stage	CREP_R3DB	Transferred	1	86	56	55	55	0	-	0	0	
Plan consistency checks	DBCONUSR	Transferred	1	1	1	0	0	0	-	0	-	
Workflow	• III HRP1002	Transferred	1	3	3	2	2	0	1	0	0	
Customizing Data	• III HRT1002	Transferred	1	1	2	0	0	-	-	0	-	
Hard-coded Literals	OPSYSTEM     PARAMVALUE	Transferred	1	25	22	21	21	0	-	0	0	
- Custom Objects	PARAMVALUE     SDBSYSTEMS	Transferred	1	6	6	5	5	0	-	0	0	
	SDBSYSTEMS     SDOKDOCSP	Transferred	1	1	1	0	0 18	0	-	0	0	
	SDOKDOCSP     SDOKSTCAE	Transferred	1	20	19	18		0		0	0	
	SDOKSTCAE     SSM_STAT	Transferred	1	118	83	82	82	*	-	0	-	
	• . SSM_STAT	Transferred	1	659	50	49	49	0	-	0	0	
	SXROUTE	Transferred		8	1	0	19	0	-	0	-	
	• 11 T77AP	Transferred	1	5	3	2	2	0	-	0	0	
	• 177CD	Transferred		16	5	4	4	0	-	ő		
	• []] T77PA	Transferred	1	20	7	6	6	0		0		
	• []] T77RO	Transferred	1	6	5	4	4	0	-	ő	-	
Operation		ransieneu		0	5	-	4		*		0	

Status – This contains the status of the execution, all of the options are seen in the screenshot above with explanations below

- In Progress this data not been transferred, if no data needs to be transferred this status is correct
- · Transferred this has been transferred
- Failed there has been a failure and this needs to be looked into

Tables – This contains the number of tables

- Rows This contains the number of rows of data
- Key Conflict This contains the number of rows with a conflicting key
- Identical This counts the number of identical rows between the two systems
- Different Rows Rows where the key conflicts, but the data is different
- Non Ex. Lines not existing in the target system
- Trans. The number of translations
- Modif. The number of modifications that have been made in the controller system

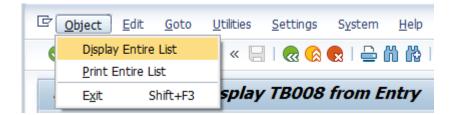
On a table row all of the numbers in the columns apart from 'Table' the data can be clicked and reviewed.

Non existing keys only		6	1,382	1,382	1,281	1,072	209	101	0	0
·	Transferred	1	762	762	761	552	209	1	0	0
- T027A	Transferred	1	3	3	2	2	0	1	0	0
- T027C	Transferred	1	7	7	5	5	0	2	0	0
- 116FK	Transferred	1	73	73	69	69	0	4	0	0
- T027B	Transferred	1	365	365	334	334	0	31	0	0
• T027D	Transferred	1	172	172	110	110	0	62	0	0

Example of results retrieved.

Structure Editor: Display TVKVT from Entry 1								
晶 H 🔺	I	🕨 🔰 🍋 Column 🛛 🚛 Entry	Metadata					
7	62	2 Entries						
MAN S	K	VTEXT						
800 1 800 1 800 1 800 1 800 1 800 1 800 1 800 1	+ 1 3 4 5 6 8 9	CRM						

Note that the standard SAP display does not display large numbers of entries, to see all entries, select 'Object' then 'Display Entire List' as below.



In the same manner the modified rows can be clicked and reviewed.

Dig Update , Exclude , Horkflow	2 Solverview 2										
Customizing Tables	Status	Excl.	Tables	Rows (CN1)	Rows (CN2)	Key conf.	Identical	Dif. rows	Non ex.	Trans.	Modif.
<ul> <li>* All table categories</li> </ul>			20	56,333	649,507	56,231	53,558	2,673	102	19	1,703
Modified content and non existing keys			1	15,000	607,099	14,999	14,999	0	1	0	75
· TVCPA	Transferred		1	15,000	607,099	14,999	14,999	0	1	0	75
<ul> <li>Modified content only</li> </ul>			13	39,951	41,026	39,951	37,487	2,464	0	19	95
• TCA44	Transferred		1	2	2	2	2	0	0	0	
· TVEP	Transferred		1	88	88	88	87	1	0	1	
· TVFK	Transferred		1	133	133	133	131	2	0	2	
· III TINC	Transferred		1	16	16	16	12	4	0	4	
· TVASP	Transferred		1	353	353	353	353	0	0	0	
· 10 TCA43	Transferred		1	21	21	21	13	8	0	8	1
· TVAK	Transferred		1	320	320	320	316	4	0	4	2
· TVFKT	Transferred		1	3,548	3,548	3,548	3,548	0	0	0	6
· TVEPZ	Transferred		1	1,786	1,786	1,786	1,786	0	0	0	11
· TINCT	Transferred		1	560	560	560	560	0	0	0	12
· TVAKT	Transferred		1	8,101	8,101	8,101	5,656	2,445	0	0	12
· TVAKZ	Transferred		1	15,000	16,075	15,000	15,000	0	0	0	22
· 1184	Transferred		1	10,023	10,023	10,023	10,023	0	0	0	25

### Example of results retrieved.

St	ruct	ure l	Edito	or: D	ispla	ay T.	184	fron	n Ent	try		1					
8	н	►	N	Colu	mn	📒 Ent	try	Metad	ata								
				7													
	255	Entri	ies														
MAN	AUAR	MTPO	VWPO	UEPS	PSTY	PSTY	PSTY	PSTY	PSTY	PSTY	PSTY	PSTY	PSTY	PSTY	PSTY	PSTY	ERNAM
800	X001				0001												BACH
	X002		TEXT		AGTX												BACH
800	X002	0002			AGC	AGN											PROUSE
800	X002	0003			AGPK												
800	X002	0004			AGM	AGC											
800	X002	BANS			AGN	AGNN											BACH
800	X002	DIEN			AGX												BACH
800	X002	DIEN		AGN	AGX												BACH
800	X002	LEIC			AGX												SAP
800	X002	LEIC		AGN	AGX												SAP
800	X002	LEIS			AGX												BACH
800	X002	LEIS		AGN	AGX												BACH

There are also a number of options seen by using a right mouse click on a table.

The 'Display' option allows the user to display the table structures in each system or to compare the structures.

· TVAK · TVAK · TVAK	т		<ul> <li>Transferred</li> <li>Transferred</li> <li>Transferred</li> <li>Transferred</li> <li>Transferred</li> </ul>
• 📄 Non ex	<u>D</u> isplay	•	Display in CN1
· TVK · T02	Show content	•	<u>D</u> isplay in CN2
· T02	Translation	•	<u>C</u> ompare structures
· 🚺 T16	<u>E</u> xclusion	- • [	Transferred
· 🚺 T02	Set Status		Transferred
· T027	,		Transferred

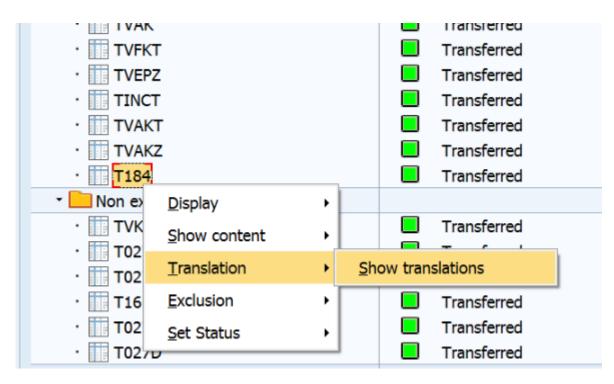
The 'Show Content' option allows the user to view the entries in each system or compare data.

<ul> <li>TINC</li> <li>TVAK</li> <li>TVAK</li> <li>TVAK</li> </ul>	T Z		<ul> <li>Transferred</li> <li>Transferred</li> <li>Transferred</li> <li>Transferred</li> </ul>
• 📄 Non ex	Display	· · ]	
· TVK	Show content	•	Content from system CN1
· T02	Translation	•	Content from system CN2
· 🚺 T16	Exclusion	•	Modified content from system CN1
· T02	Set Status	•	<u>C</u> ompare contents
· T027			- Hanstelleu

Compare data option as below:

rab	le TBO	03										
"Dispi	y .	Filter source	Filter target	J Structure J P Trans	ation data							
	1617						7 (A) 1					
			1): 118 enti	rio(a)				ontent (D	121. 8 -	atria(a)		Modified content: No entry
		ROLECATEGORY		BPVIEW XSUPPRESS POSNR					RY STND_RO	LECAT BPVIEW XSUPPRESS	POSNR	CLIENT ROLE ROLECATEGORY STND_ROLECAT BPVIEW XSUPPRESS POSNR
	000000 BBP000		x	000000	* *	100	000000	BUP001		000000 BUP001		
	BBP000		x			100		BUP001 BUP002	L.	BUP001 BUP002		
	BBP001 BBP002					100		BUP002 BUP003	x	BUP002 BUP003		
	BBP002 BBP003		x x			100		BUP003 BUP004	X	BUP003		
	BBP003 BBP004		X			100		BUP004 BUP005	x	BUP005		
	BBP004		×			100	FS0000		^	F50001		
	BBP005 BBP006		x			100		BUP001	x	BUP001		
	BKK010			FS0001		100	EDOP'A	007001	^	000001		
	BKK020			F50001								
	BK0K030			F50001								
	BKK200			F50001								
	BUP001			BUP001								
				8UP002								
				BUP003								
				8UP004								
				BUP005								
				CACSA1								
				CACSA2								
100	CACSA3	CACSA3		CACSA3								
	CBIH10	CBIH10		CBIH10								
100	CBIH20	CBIH20	x	C83H20								
100	CLERK1	TR0995		F50002								
100	CLERK2	TR0995		FS0002								
100	CM5001	CM5001	х	F50001								
100	FLCU00	FLCU00	x	FLCU00								
100	FLCU01			FLCU01								
	FLVN00	FLVN00		FLVN00								
	FLVN01	FLVN01		FLVN01								
	FS0000			FS0001								
	F50003			F50003								
	FSOKNE			FS0001								
		HEA010		HEA010								
				HEA020								
		HEA030		HEA030								
				HEA040								
		HEA050		HEA050								
	HR1000			HR1000								
	MKK	МКК		MKK	-							

The 'Translation' option allows the user to view the data that has been translated and the impact.



The translation impact.

🔄 Translation d	lata impa	icting T184							
		Data elem.	Value	Value	Table	Field	Domain	Ву	Changed on
000000032 🗗	0016	AUART	01	X001	TVAK	AUART	AUART	ABEKKAT	18.02.2016
000000032	0016	AUART	AG	X002	TVAK	AUART	AUART	ABEKKAT	18.02.2016
000000032	0016	AUART	ТА	X003	TVAK	AUART	AUART	ABEKKAT	18.02.2016
000000032	0016	AUART	ZAB	X004	TVAK	AUART	AUART	ABEKKAT	18.02.2016
000000002	0010	- Corner	210	2001	TTTU	noraci	nontri	ADERIOTI	10.02.2010

The 'Exclusion' option allows the user to exclude tables from the transfer.

TING     TVA     TVA     TVA     TVA	кт кz		<ul> <li>Transferred</li> <li>Transferred</li> <li>Transferred</li> <li>Transferred</li> </ul>
<ul> <li>Non ex</li> <li>TVK</li> <li>T02</li> <li>T02</li> <li>T16</li> <li>T02</li> </ul>	-	) ) ) )	Transferred     Transferred     Transferred     Add table to the exclusion list     Remove table from the exclusion list
· T02			

The 'Set status' option allows the user to set the status for this table, the details for each option are as below:

- In Progress this hhas not yet been transferred
- Transferred the transfer was successful
- Failed there has been a failure and this needs to be looked into
- · Reset to initial resets the value to the original one

· . TVAK · . TVAK · . T184					Transferred Transferred Transferred
<ul> <li>Non ex</li> <li>TVK</li> <li>T02</li> <li>T02</li> <li>T16</li> </ul>	<u>D</u> isplay <u>S</u> how content <u>T</u> ranslation <u>E</u> xclusion	+ + + +			Transferred Transferred Transferred Transferred
· . T02	<u>S</u> et Status	•		progres nsferre ed	
			<u>R</u> es	et to ir	nitial

When you have reviewed the translations and are certain you are ready to close the phase use the **option** on the 'Workflow' button **workflow** and select close phase.

# Hard Code Literals

\*

Note this stage should not start until the <u>Customizing Data</u> has completed the <u>Decision Phase</u>

The hard code literal stage is dealt with through three phases which are completed in the order below:

- Analysis Phase
- Decision Phase
- Execution Phase



Note that the transfer phase is not relevant for the stage 'Hard Code Literals' as all of change to correct the hard coded literals is held against the Custom Objects and therefore the transfer occurs as a part of the custom objects phase.

# **Analysis Phase**

The Analysis phase is broken down into two section the operation of the run and then viewing the results.

- Operation
- <u>Results</u>

# Operation

The first task is to open the analysis phase go to the 'Configuration' drawer and open the 'Plans' and then open the workflow tab.

*	Note this stage should not start until th Decision Phase	e <u>Customizing Data</u> has completed the
CONTEXT Plan ECC Consolida Status : Act Coverview Results Configuration Configuration Type Description Steps Groups Process Systems Systems Plans	ive on ation options on chains	

In the workflow tab select the stage 'Hard Code Literals' phase 'Analysis' and press the 'Open Phase button.

ট Display of plan 900000027	X
Header	
Plan name ECC Consolidation State	us Active
🖴 Header 🛛 🕸 Workflow	
Den phase Close phase	
Consolidation workflow	
Type Stage Phase St. Status Opened by Opened on Closed by	Closed on
🔝 Customizing data Analysis 🔓 Open TENGLAND 12.02.2016	
🔝 Customizing data Decision 🔷	
☐ Customizing data Execution ♦	
🔲 Customizing data Transfer 🚸	
Number of the second	
And coded literals         Decision         ♦	
And the second secon	
the     Custom objects     Analysis     ♦       the     Custom objects     Decision     ♦	
the     Custom objects     Decision     ♦       the     Custom objects     Execution     ♦	
tine Custom objects Transfer ♦	

The phase is now open for operations.

🕞 Display of plan 90000002	7							×
Header								
Plan name	ECC Consoli	idatio	n			Sta	itus	Active
🛎 Header 🖉 🎝 Work	flow							
🔁 🗗 Open phase 🔒 Cl	ose phase							
Consolidation wo	rkflow							
Type Stage	Phase	C+ 0	Status	Opened by	Opened on	Closed by	Closed on	
Customizing data	Analysis		Open	TENGLAND	12.02.2016	Closed by	Closed off	
Customizing data	Decision	$\diamond$						
Customizing data	Execution							
Customizing data	Transfer	$\diamond$						
Hard coded literals	-	6	Open	TENGLAND	13.02.2016			
A Hard coded literals		٠						
Hard coded literals								
Custom objects	Analysis	•						
Custom objects	Decision	<b>♦</b>						
Custom objects	Execution Transfer	<ul> <li>♦</li> <li>♦</li> </ul>						
	Transier	~						_

With the analysis phase now open go to the 'Operation' drawer and select the 'Hard Code Literals' phase and press the 'Execute' button.

Consolidation Cockpit												
CONTEXT		Execute Schedule										
ृङ्ध Plan		Process chain	Reference	Act.	Order System	Select	St. Statu	s St. date	St. time	End date	End time	Est
ECC Consolidation	✓	<ul> <li>B Hard coded literals analysis</li> </ul>	002	1		$\checkmark$						
		<ul> <li>Berger Berger Berger</li> <li>Berger Berger</li> <li>Berger</li> <li>Berger</li> <li>Berger</li></ul>	000000003	1	1	$\checkmark$						
Status : Active		<ul> <li>Hard coded litterals - System A</li> </ul>	000000009	ð	1 D01	$\checkmark$						
		<ul> <li>Hard coded litterals - System B</li> </ul>	000000010	1	2 D02	$\checkmark$						
Se Overview		<ul> <li>Retrieve hard coded litterals - System A</li> </ul>	000000011	ð	3 D01	$\checkmark$						
Results		<ul> <li>Retrieve hard coded litterals - System B</li> </ul>		1	4 D01	$\checkmark$						
Paration		<ul> <li>Hard coded litterals analysis - System A</li> </ul>		1	5 D01	$\checkmark$						
		<ul> <li>Hard coded litterals analysis - System B</li> </ul>	000000014	1	6 D01	$\checkmark$						
Execute Run history												
Process chains												
St. Chain name Op.												
🗡 Customizing analysis 🛛 🔒												
Customizing decision												
Customizing execution												
Customizing transfer												
/Hard coded literals analysis												
➢ Hard coded literals decision ◊												
Hard coded literals execution												
Custom objects analysis												
Custom objects decision												
Custom objects execution												
Custom objects transfer												

Selecting the execute button again will trigger the programs that are required to run for analysis with their default settings.

CONTEXT	<b>1</b>	🖾 Abort 🔚 Log 🛛 🖾 Job overview											
😴 Plan		ess chain	Reference	Act.	Order System	Select	St.	Status	St. date	St. time	End date	End time	Est
		🖞 Hard coded literals analysis	002	1		<ul><li>✓</li></ul>		Pending					
		<ul> <li>E Hard coded literals analysis</li> </ul>	000000003	1	1	-							
Status : Active		<ul> <li>Hard coded litterals - System A</li> </ul>	000000009	1	1 D01	1		Pending					
		<ul> <li>Hard coded litterals - System B</li> </ul>	000000010	1	2 D02	<		Pending					
Overview		<ul> <li>Retrieve hard coded litterals - System A</li> </ul>		1	3 D01	1		Pending					
2 Results		<ul> <li>Retrieve hard coded litterals - System B</li> </ul>		1	4 D01	<		Pending					
Operation		<ul> <li>Hard coded litterals analysis - System A</li> </ul>		1	5 D01	1		Pending					
		<ul> <li>Hard coded litterals analysis - System B</li> </ul>	000000014	/	6 D01	<b>v</b>		Pending					
Execute Run history													
Process chains													
it. Chain name Op.													
Customizing analysis													
Customizing decision													
Customizing execution													
Customizing transfer													
🗡 Hard coded literals analysis 🛛 🔓													
Hard coded literals decision													
Hard coded literals execution													
Custom objects analysis													
Custom objects decision													
Custom objects execution													
Custom objects transfer													

Pressing the refresh button will show the progress of the analysis programs running.

Consolidation Cockpit												
CONTEXT	🛃 📾 Abort 💶 Log											
දුරි Plan	Process chain	Reference	Act.	Order System	Select	St.	Status	St. date	St. time	End date	End time	Es
ECC Consolidation	<ul> <li>B Hard coded literals analysis</li> </ul>	002	/		<		Finished	13.02.2016	23:24:31	13.02.2016	23:36:27	
	<ul> <li>Ard coded literals analysis</li> </ul>	000000003	/	1	-							
Status : Active	<ul> <li>Hard coded litterals - System A</li> </ul>	000000009	1	1 D01	-		Finished	13.02.2016	23:24:31	13.02.2016	23:31:17	
	<ul> <li>Hard coded litterals - System B</li> </ul>	000000010	1	2 D02	$\checkmark$		Finished	13.02.2016	23:31:17	13.02.2016	23:31:57	
2 Overview	<ul> <li>Retrieve hard coded ltterals - System A</li> </ul>		1	3 D01	-		Finished	13.02.2016	23:31:57	13.02.2016	23:32:02	
Results	<ul> <li>Retrieve hard coded ltterals - System B</li> </ul>	000000012	1	4 D01	$\checkmark$		Finished	13.02.2016	23:32:02	13.02.2016	23:32:07	
Operation	<ul> <li>Hard coded litterals analysis - System A</li> </ul>		1	5 D01	-	_				13.02.2016		
	<ul> <li>Hard coded litterals analysis - System B</li> </ul>	000000014	1	6 D01	-		Finished	13.02.2016	23:33:18	13.02.2016	23:36:27	
Execute Run history												
Process chains												
St. Chain name Op.												
Customizing analysis												
Customizing decision												
Customizing execution												
Customizing transfer												
🗡 Hard coded literals analysis 🛛 🔒												
Hard coded literals decision												
Hard coded literals execution												
Custom objects analysis												
Custom objects decision												
Custom objects execution												
Custom objects transfer												

To view past runs select the 'Hard coded literals analysis' and press the 'Run History' button, all runs will then be displayed. To view the full details of the run press the Runtime ID hotspot, in this case '00001'.

Consolidation Cockpit											
CONTEXT	ði t										
g8 Plan	Run history : Hard	coded literal	s analys	is							
ECC Consolidation	Runtime ID System A	System B	Created by	St. Status	Last step	Start date	Start time	End date	End time	Job name	Job no.
Status : Active		.) Test system (D02)						13.02.2016	23:36:27	CONSOLIDATOR	
2 Overview	Í										
Results											
Geration											
Execute Run history											
Process chains											
St. Chain name Op.											
✓ Customizing analysis         ✓         Customizing decision											
Customizing execution											
Customizing transfer											
Mard coded literals analysis											
Hard coded literals decision											
Hard coded literals execution											
Custom objects analysis											
Custom objects decision											
Custom objects execution											
Custom objects transfer											

When the jobs have a status of finished when complete, it is ready to progress to the results screen.

#### Consolidation Cockpit

CONTEXT		Back Back Abort Log Dob overview											
🥵 Plan		Process chain	Reference	Act.	Order System							Est. time	E
ECC Consolidation	✓	<ul> <li>B Hard coded literals analysis</li> </ul>	002	1			Finished	13.02.2	23:24:31	13.02.2	23:36:27		
		<ul> <li>Hard coded literals analysis</li> </ul>	000000003	/	1	_							
Status : Active		<ul> <li>Hard coded litterals - System A</li> </ul>	000000009	1	1 D01	_				13.02.2			10
		<ul> <li>Hard coded litterals - System B</li> </ul>	000000010		2 D02					13.02.2			10
🔂 Overview		<ul> <li>Retrieve hard coded litterals - System A</li> </ul>			3 D01					13.02.2			
Results		<ul> <li>Retrieve hard coded litterals - System B</li> </ul>			4 D01	_				13.02.2			
Operation		<ul> <li>Hard coded litterals analysis - System A</li> </ul>			5 D01					13.02.2			10
		<ul> <li>Hard coded litterals analysis - System B</li> </ul>	000000014	-	6 D01		Finished	13.02.2	23:33:18	13.02.2	23:36:27		10
Execute Run history													
Process chains													
St. Chain name	Op.												
Customizing analysis	<b>B</b>												
Customizing decision	۵												
Customizing execution	٠												
Customizing transfer	٥												
Hard coded literals analysis	6												
Hard coded literals decision	•												
Hard coded literals execution	٥												
Custom objects analysis	6												
Custom objects decision	•												
Custom objects execution	•												
Custom objects transfer	•												

## Results

The Analysis phase of the Hard Code Literals stage will provide the number of custom objects with Hard Coded Literals from each system and those which conflict.

Once the Analysis programs have run from the <u>Operation</u> section it is time to view the results, go to the 'Results' drawer and select the 'Hard Code Literal' then selects the 'Analysis' tab.

The screen below shows the number of objects in each system and the number of hard code literal conflicts found between the systems.

Consolidation Cockpit							
CONTEXT	🗟 Analysis 🛛 🥜 Decision 📝 🍀 Exect	ution					
S Plan ECC Consolidation	Dpdate Dpdate	erview 🔺					
	Hard coded literals	HCL (D	DTEL (D01)	DTEL (D02)	Conf (D01)	Conf (D02)	Obj. Nam
Status : Active	<ul> <li>All Object Types</li> </ul>	3.187	1.959	472	9	0	
2 Overview	<ul> <li>Classes</li> </ul>	368	372	60	4	0	
	<ul> <li>Inhancement spot implementation</li> </ul>	0	1	0	0	0	
Results	SAP Script	0	0	0	0	0	
Result Areas	Function Group	354	194	30	0	0	
Kesult Areas	Function Module	568	250	95	3	0	
Type Consolidation stage	<ul> <li>Interface</li> </ul>	1	11	1	0	0	
Plan consistency checks	<ul> <li>Worflow template</li> </ul>	0	5	0	0	0	
🐉 Workflow	🕨 🛅 Program	1.896	588	286	2	0	
Customizing Data	Smart Form	0	8	0	0	0	
Hard-coded Literals	<ul> <li>Type Group</li> </ul>	0	530	0	0	0	
Ese Custom Objects							

The buttons on this screen operate by clicking the right hand down arrow 🗾 details on what each button does are as below.

The 'Update' button Update allows the user to run the programs for this phase individually, however, it is recommended the user does not use this and completes this through the operation drawer as this adds greater clarity.

The 'Workflow' button Workflow allows the user to open and close this phase.

The 'Overview' button Overview allows the user to view the reports for this phase, see the Reporting section for more details.

On the hard code literals screen below, opening up an Object Type provides further folders where you can view more information about the objects in each object type.

🗟 Analysis 🧹 Decision 🛛 🏶 Execu	ution								
🔁 🚱 Update 🔽 😫 Workflow 🔽 👧 Ove	erview 🔺								
Hard coded literals	HCL (D01)	HCL (D02)	DTEL (D01)	DTEL (D02)	Conf (D01)	Conf (D02)	Obj. Name	Reference	Data elem.
<ul> <li>All Object Types</li> </ul>	11.855	3.187	1.959	472	9	0			
<ul> <li>Classes</li> </ul>	1.458	368	372	60	4	0			
<ul> <li>Inhancement spot implementation</li> </ul>	36	0	1	0	0	0			
SAP Script	1	0	0	0	0	0			
Function Group	894	354	194	30	0	0			
<ul> <li>Runction Module</li> </ul>	1.660	568	250	95	3	0			
All Literals	1.660	568	250	95	3	0			
All Conflicting Literals	3	0	3	0	3	0			
🕨 🧀 All Literals in System A	1.660	0	250	0	3	0			
🕨 🚞 All Literals in System B	0	568	0	95	0	0			
🕨 🚞 All Conflicts in System A	3	0	3	0	3	0			
All Conflicts in System B	0	0	0	0	0	0			
<ul> <li>Interface</li> </ul>	11	1	11	1	0	0			
🕨 🕨 Worflow template	11	0	5	0	0	0			
🕨 🔁 Program	7.239	1.896	588	286	2	0			
Smart Form	10	0	8	0	0	0			
🕨 🎒 Type Group	535	0	530	0	0	0			

### Opening up the 'All Literals' folders lists all of the objects of this type in both systems.

🗟 Analysis 🛛 🔗 Decision 🛛 🇱 Execu	ition							
🚱 🗾 🕽 Workflow 🕽 👧 Ove	erview 🔺							
Hard coded literals	HCL (D01)	HCL (D02)	DTEL (D01)	DTEL (D02)	Conf (D01)	Conf (D02)	Obj. Name	Reference
<ul> <li>All Object Types</li> </ul>	11.855	3.187	1.959	472	9	0		
<ul> <li>Classes</li> </ul>	1.458	368	372	60	4	0		
<ul> <li>Inhancement spot implementation</li> </ul>	36	0	1	0	0	0		
<ul> <li>Image: SAP Script</li> </ul>	1	0	0	0	0	0		
🕨 🗱 Function Group	894	354	194	30	0	0		
<ul> <li>Function Module</li> </ul>	1.660	568	250	95	3	0		
🕆 🗁 All Literals	1.660	568	250	95	3	0		
FIELD_EXIT_TRKORR	22	0	3	0	0	0		
TABLEFRAME_YBTM	0	2	0	0	0	0		
TABLEFRAME_YBT_GUI_TAB		2	0	0	0	0		
TABLEFRAME_YBT_MDR_RE		0	0	0	0	0		
TABLEFRAME_YBT_MDR_TA		0	0	0	0	0		
TABLEFRAME_YBT_MDR_TA		0	0	0	0	0		
TABLEFRAME_YBT_MDR_TA		0	0	0	0	0		
TABLEFRAME_ZBAZTABTES	2	0	0	0	0	0		
TABLEFRAME_ZBT_NS	2	0	0	0	0	0		
TABLEFRAME_ZTEST	2	0	0	0	0	0		
TABLEFRAME_ZTESTMU	2	0	0	0	0	0		
TABLEFRAME_ZTE_MS_DEF/		2	0	0	0	0		
TABLEFRAME_ZTE_MS_TOC		2	0	0	0	0		
TABLEPROC_YBTM	0	3	0	0	0	0		

Opening up the 'All Conflicting Literals' folders lists all of the objects in the selected object type in conflict across the two systems. Here opening up the object and viewing the literal types will give you a view of these hard coded literals.

The details below reflect the literals details and the new value.

- Object Names
- Reference
- Data Element
- · New value

🗟 Analysis 🛛 🥜 Decision 🛛 🍀 Exec	cution									
🚱 🕼 Update 🔒 🕸 Workflow 🔒 👧 Ov										
									1	
Hard coded literals	HCL (D01)	HCL (D02)	DTEL (D01)	DTEL (D02)	Co	Co	Obj. Name	Reference	Data elem.	New v
🔻 📩 All Object Types	11.855	3.187	1.959	472	9	0				
<ul> <li>Classes</li> </ul>	1.458	368	372	60	4	0				
<ul> <li>Enhancement spot implementation</li> </ul>	36	0	1	0	0	0				
<ul> <li>SAP Script</li> </ul>	1	0	0	0	0	0				
🕨 🗱 Function Group	894	354	194	30	0	0				
<ul> <li># Function Module</li> </ul>	1.660	568	250	95	3	0				
All Literals	1.660	568	250	95	3	0				
<ul> <li>All Conflicting Literals</li> </ul>	3	0	3	0	3	0				
ZZ_CON_FUNC_TEST_10	3	0	3	0	3	0				
<ul> <li>All Literal types</li> </ul>	3	0	3	0	3	0				
• 🗖 3001	1	0	1	0	1	0		X_INDEX	SRTVCOR	9279
• 🥃 3001	1	0	1	0	1	0	LZZ_CON	LV_INDEX	SRTVCOR	9279
• 📮 3001 ( TEXT-T01 )	1	0	1	0	1	0	LZZ_CON	LV_INDEX2	SRTVCOR	9279
ABAP literals	2	0	1	0	1	0				
Text elements	1	0	1	0	1	0				
FUNC parameters	1	0	1	0	1	0				
All Literals in System A	1.660	0	250	0	3	0				
All Literals in System B	0	568	0	95	0	0				
All Conflicts in System A	3	0	3	0	3	0				
All Conflicts in System B	0	0	0	0	0	0				

Below if you right mouse click on the object name then options to view the program in the system where the object resides.

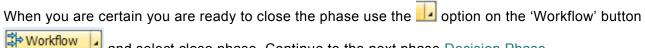
Function Module	1.660	568	250	95	3	0
All Literals	1.660	568	250	95	3	0
All Conflicting Literals	3	0	3	0	3	0
ZZ_CON_FUNC_TEST 10	2	0	3	0	3	0
<ul> <li>All Literal typ</li> </ul>	Displ	ay in D01	3	0	3	0
• 🗖 3001	1	0	1	0	1	0 X_INDEX SRTVCOR 9279
• 🧮 3001	1	0	1	0	1	0 LZZ_CON LV_INDEX SRTVCOR 9279
• 🔁 3001 ( TEXT-T01 )	1	0	1	0	1	0 LZZ_CON LV_INDEX2 SRTVCOR 9279
ABAP literals	2	0	1	0	1	0
Text elements	1	0	1	0	1	0
FUNC parameters	1	0	1	0	1	0
All Literals in System A	1.660	0	250	0	3	0

\*

Opening up the 'All Literals in System A' or 'All Literals in System B' or 'All conflicts in System A' or 'All conflicts in System B' folders lists all of the objects of this type in the chosen system

🕑 🚱 Update 📘 🗱 Workflow 📘 🗟 Ove	rview 🔺									
ard coded literals	HCL (D01)	HCL (D02)	DTEL (D01)	DTEL (D02)	Conf (D01)	Conf (D02)	Obj. Name	Reference	Data e	. [
🛉 All Object Types	11.855	3.187	1.959	472	9	0				
<ul> <li>Classes</li> </ul>	1.458	368	372	60	4	0				
O Enhancement spot implementation	36	0	1	0	0	0				
<ul> <li>Image: SAP Script</li> </ul>	1	0	0	0	0	0				
<ul> <li>Section Group</li> </ul>	894	354	194	30	0	0				
<ul> <li>Function Module</li> </ul>	1.660	568	250	95	3	0				
All Literals	1.660	568	250	95	3	0				
All Conflicting Literals	3	0	3	0	3	0				
All Literals in System A	1.660	0	250	0	3	0				
FIELD_EXIT_TRKORR	22	0	3	0	0	0				
TABLEFRAME_YBT_GUI_TAB	2	0	0	0	0	0				
TABLEFRAME_YBT_MDR_RE	2	0	0	0	0	0				
TABLEFRAME_YBT_MDR_TA	2	0	0	0	0	0				
TABLEFRAME_YBT_MDR_TA	2	0	0	0	0	0				
TABLEFRAME_YBT_MDR_TA	2	0	0	0	0	0				
TABLEFRAME_ZBAZTABTES	2	0	0	0	0	0				
TABLEFRAME_ZBT_NS	2	0	0	0	0	0				
TABLEFRAME_ZTEST	2	0	0	0	0	0				
TABLEFRAME_ZTESTMU	2	0	0	0	0	0				
TABLEPROC_YBT_GUI_TAB	3	0	0	0	0	0				
TABLEPROC_YBT_MDR_REP	3	0	0	0	0	0				
TABLEPROC_YBT_MDR_TAB	3	0	0	0	0	0				

To keep the phases in order once you close a phase it cannot be reopened



4 and select close phase. Continue to the next phase Decision Phase

### **Decision Phase**

The Decision phase is broken down into two section the operation of the run and then viewing the results.

- Operation
- <u>Results</u>

# Operation

The first task is to open the analysis phase go to the 'Configuration' drawer and open the 'Plans' and then open the workflow tab.

CONTEXT	
se Plan	
ECC Consolidation	✓
Status : Active	
🔊 Overview	
🔁 Results	
Dperation	
Configuration	
Configuration	options
Type Description	
Steps	
Groups	
Process chains	
Systems	
S Plans	

In the workflow tab select the stage 'Hard Code Literals' phase 'Decision' and press the 'Open Phase button, the phase is now open for operations.

an name	ECC Consolid	dation			Stat	us Activ
🐣 Header 🖉 😫 Work	flow					
🔁 🗗 Open phase 🔒 Cl	ose phase					
Consolidation wo	rkflow					
	1	1 1	T			I
ype Stage	Phase	St. Status	Opened by	Opened on	Closed by	Closed on
Customizing data	Analysis	Closed	TENGLAND	12.02.2016	TENGLAND	22.02.2016
Customizing data	Decision	Closed	TENGLAND	22.02.2016	TENGLAND	24.02.2016
Customizing data	Execution	🔐 Open	TENGLAND	24.02.2016		
Customizing data	Transfer	•				
Hard coded literals	Analysis	Closed	TENGLAND	13.02.2016	TENGLAND	25.02.2016
	Decision	🔐 Open	TENGLAND	25.02.2016		
Hard coded literals	Free subless	۵				
<ul> <li>Hard coded literals</li> <li>Hard coded literals</li> </ul>	Execution			13.02.2016	TENGLAND	17.02.2016
	Analysis	Closed	TENGLAND	13.02.2010		
Hard coded literals		•	TENGLAND	17.02.2016		
Hard coded literals	Analysis	Closed				

With the analysis phase now open go to the 'Operation' drawer and select the 'Hard Code Literals Decision' phase and press the 'Execute' button.

Consolidation Cockpit													
CONTEXT	Execute C Schedule												
gg Plan	Process chain Signal Hard coded literals decision	Reference 008	Act.	Order Sy		elect V	St. Statu	s St. date	St. time	End date	End time	Est. time	Esti
ECC Consolidation	<ul> <li>Hard coded literals mass decision</li> </ul>		*	1 D0	1	2							
Status : Active													
2 Overview													
Results													
Execute Run history													
Process chains													
St. Chain name Op.													
St. Chain name Op. Customizing analysis Customizing decision A Customizing execution													
Customizing execution													
Customizing transfer  Hard coded literals analysis													
Hard coded literals decision													
Hard coded literals execution Custom objects analysis													
Custom objects decision													

Selecting the execute button again will trigger the programs that are required to run for analysis with their default settings, pressing the refresh button will show the progress of the analysis programs running.

CONTEXT       Image: Consolidation         Image: Consolidation       Image: Consolidation         Imade: Coded literals anal								
Plan   ECC Consolidation   Status : Active     Overview   Results   I Operation   Execute   Run history   Process chains   Customizing analysis   Customizing decision   Customizing teasifier   Hard coded literals analysis   Hard coded literals accision								
So Partin       Image: Solution       008         ECC Consolidation       Image: Solution       008         Status : Active       Image: Solution       Image: Solution         Overview       Image: Solution       Image: Solution       Image: Solution         Image: Solution       Image: Solution       Image: Solution       Image: Solution       Image: Solution         Image: Solution       Im								
ECC Consolidation     UB     Hard coded iterais decision     UUB       Status : Active     Image: Hard coded iterais mass decision     000000002       Status : Active     Image: Hard coded iterais mass decision     000000002       Results     Image: Hard coded iterais mass decision     000000002       Process chains     Image: Hard coded iterais mass decision     00000002       St. Chain name     Op.     Image: Hard coded iterais mass decision     000000002       Customizing analysis     Image: Hard coded iterais mass decision     Image: Hard coded iterais mass decision     000000002       Customizing transfer     Op.     Image: Hard coded iterais mass decision     000000002       Customizing transfer     Image: Hard coded iterais analysis       Hard coded iterais execution     Image: Hard coded iterais execution     Image: Hard coded iterais execution     Image: Hard coded iterais execution       Hard coded iterais execution     Image: Hard coded iterais execution     Image: Hard coded iterais execution     Image: Hard coded iterais execution       Customizing transfer     Image: Hard coded iterais execution     Image: Hard coded iterais execution     Image: Hard coded iterais execution	nce Act. Order S	System Select St			End date	End time	Est. time	Esti
Overview     Overview     Overview     Operation     Execute      Run history  Process chains  Customizing analysis  Customizing decision  Customizing decision  Customizing transfer  Customizing transfer  Hard coded literals analysis  Hard coded literals execution  Hard coded literals execution  Customizing transfer  Custo	)0027 / 1 D		In pro In pro					
Results   Operation   Execute   Run history   Process chains  Customizing analysis  Customizing decision  Customizing execution  Customizing transfer  Hard coded literals analysis  Hard coded literals execution  Custom objects analysis								
Execute Run history Process chains St. Chain name Op. Customizing analysis Customizing execution Customizing transfer Hard coded literals analysis Hard coded literals execution Hard coded literals execution Customizing transfer Custom objects analysis								
Process chains St. Chain name Op. Customizing analysis A Customizing decision A Customizing execution A Customizing transfer A Hard coded literals analysis A Hard coded literals execution A Customizing iterals execution A								
St. Chain name       Op.         Customizing analysis       Customizing decision         Customizing execution       Customizing transfer         Customizing transfer       Image: Customizing transfer         Hard coded literals analysis       Image: Customizing transfer         Hard coded literals decision       Image: Customizing transfer         Hard coded literals decision       Image: Customizing transfer         Customizing transfer       Image: Customizing transfer         Customizing transfer       Image: Customizing transfer         Customizing transfer       Image: Customizing transfer         Hard coded literals analysis       Image: Customizing transfer         Customizing transfer       Image: Customizing transfer <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td>								
Customizing transfer         ♦         Hard coded literals analysis         Hard coded literals decision         Hard coded literals execution         Arant coded literals execution         Custom objects analysis								
Customizing transfer       ♦         ✓ Hard coded literals analysis       △         ✓ Hard coded literals decision       △         ✓ Hard coded literals execution       ♦         ✓ Custom objects analysis       △								
Customizing transfer     Image: Customizing transfer       Hard coded literals analysis     Image: Customizing transfer       Hard coded literals decision     Image: Customizing transfer								
Customizing transfer       ♦         ✓ Hard coded literals analysis       △         ✓ Hard coded literals decision       △         ✓ Hard coded literals execution       ♦         ✓ Custom objects analysis       △								
Hard coded literals analysis								
Hard coded literals decision           Hard coded literals execution           Custom objects analysis								
Hard coded literals execution      Custom objects analysis     □								
Custom objects analysis								
Custom objects decision								
Custom objects execution								
Custom objects transfer								

To view past runs select the 'Hard coded literals decision' and press the 'Run History' button, all runs will then be displayed. To view the full details of the run press the Runtime ID hotspot, in this case '00001'.

Consolidation Cockpit										
CONTEXT										
se Plan	Run history : Hard	coded literal	s decisio	n						
ECC Consolidation	Runtime ID System A	System B	Created by	St. Status	Last step	Start date	Start time	End date	End time	Job name
Status : Active	00001 System DZZ (D01	) Test system (D02)	TENGLAND	Finished	000000027	25.02.2016	10:21:47	25.02.2016	10:22:09	CONSOLIDATOR
2 Overview										
Results										
Part Operation										
Execute Run history										
Process chains										
St. Chain name Op.										
Customizing analysis     Customizing decision										
Customizing decision										
Customizing execution										
Customizing transfer										
Hard coded literals analysis										
Hard coded literals decision										
Hard coded literals execution										
Custom objects analysis										
Custom objects decision										
Custom objects transfer										

When the jobs have a status of finished when complete, it is ready to progress to the results screen.

CONTEXT       Image: Consolidation       Image: Conso	
Plan   ECC Consolidation   Status : Active     Overview   Coverview   Coverv	
Sector Consolidation   Status: Active     Status: Active     Consolidation Image: Status and status a	
ECC Consolidation     Status : Active	Estim. % N.
Status : Active     Status : Active     Coverview     Process chains     St. Chain name     Op.     Customizing analysis     Customizing ransfer     Customizing transfer     Customizing transfer     Hard coded literals execution	
© Overview © Results © Operation © Execute © Run history Process chains St. Ohain name Op. > Customizing analysis  > Customizing execution  > Customizing execution  > Customizing transfer  > Hard coded literals analysis  > Hard coded literals execution  > Customizing transfer  > Custom objects analysis  > Custom objects malysis  > Custom custom  > Custom objects malysis  > Custom  > Cust	
Resuits   Operation   Execute Run hetory   Process chains   St. Chain name   Op.   Customizing analysis   Customizing execution   Customizing transfer   Customizing transfer   Hard coded literals analysis   Hard coded literals execution   Hard coded literals execution   Hard coded literals execution   Custom objects analysis	
Image: Second Secon	
Execute Run history   Process chains   St. Chain name Op.   Customizing analysis A   Customizing execution A   Customizing transfer A   Hard coded literals analysis A   Hard coded literals decision A   Custom objects analysis A	
Process chains St. Chain name Op. * Customizing analysis * Customizing execution * Customizing transfer * Hard coded literals analysis * Hard coded literals execution * Hard coded literals execution * Custom objects analysis Custom objects analysis * Custom object	
St. Chain name Op. Customizing analysis Customizing execution Customizing transfer Hard coded literals analysis Hard coded literals execution Custom objects analysis Custom objects analys	
Customizing analysis       Customizing decision         Customizing execution       Customizing transfer         Customizing transfer       Customizing transfer         Hard coded literals analysis       Customizing transfer         Hard coded literals decision       Customizing transfer         Hard coded literals execution       Custom objects analysis	
Customizing analysis	
Customizing transfer <ul> <li>Customizing transfer</li> <li>Hard coded literals analysis</li> <li>Hard coded literals execution</li> <li>Custom objects analysis</li> <li>Custom objects analysis</li> </ul>	
Customizing transfer <ul> <li>Arad coded literals analysis</li> <li>Hard coded literals execution</li> <li>Custom objects analysis</li> <li>Custom objects analysis</li> </ul>	
Customizing transfer <ul> <li>Arad coded literals analysis</li> <li>Hard coded literals execution</li> <li>Custom objects analysis</li> <li>Custom objects analysis</li> </ul>	
Hard coded literals decision       Image: Control of the security of t	
Hard coded literals execution       Image: Control of the second se	
Custom objects analysis	
Custom objects decision	
Custom objects execution 🔷	
Custom objects transfer 🛛 🔊	

# Results

The Decision phase of the Hard Code Literals stage will provide the number of custom objects with Hard Coded Literals from each system after running the programs everything should be in a complete or no conflict status.

Once the Decision programs have run from the <u>Operation</u> section it is time to view the results, go to the 'Results' drawer and select the 'Hard Code Literal'.

The screen below shows the number of objects in each system and the number of hard code literal conflicts and their status after the decision programs have run.

Consolidation Cockpit										
CONTEXT	🗟 Analysis 🧳 Decision 🛛 😫 Execu	tion								
S Plan ECC Consolidation	Decision 🕽 🔛 Mass decision 🎝	Workflow								
Status : Active	Hard coded literals	Status Completed	Decision	Conf (D01) 9	Conf (D02)	Obj. Name	Reference	Data elem.	New value	
Serview Serview		Completed		4	0					
Results	SAP Script	No conflict		0	0					
Result Areas	Function Group     Group     Group	No conflict Completed		0	0					
Type Consolidation stage	<ul> <li>Interface</li> </ul>	No conflict		0	ő					
Plan consistency checks     Workflow	Worflow template     The Program	No conflict Completed		0	0					
Customizing Data	Smart Form	No conflict		0	0					
Hard-coded Literals	<ul> <li>Fype Group</li> </ul>	No conflict		0	0					
Custom Objects										

The buttons on this screen operate by clicking the right hand down arrow 🗾 details on what each button does are as below.

The 'Update' button **Update** allows the user to run the programs for this phase individually, however, it is recommended the user does not use this and completes this through the operation drawer as this adds greater clarity.

The 'Decision' button **Provide allows** the user to change the decisions, options are as below:

\*Translate the literal \*Ignore Conflict \*Remediate Manually \*Cancel decision The 'Mass Decision' button Mass decision allows the user to run the programs for this phase, however, it is recommended the user does not use this and completes this through the operation drawer as this adds greater clarity.

The 'Workflow' button Workflow allows the user to open and close this phase.

The 'Overview' button 2 allows the user to view the reports for this phase, see the <u>Reporting</u> section for more details.

On the hard code literals screen below, opening up an Object Type provides further folders where you can view more information about the objects in each object type. Opening up the 'All Literals' folders lists all of the objects of this type in both systems, opening up the 'All Conflicting Literals' folders lists all of the objects in the selected object type in conflict across the two systems. Here opening up the object and viewing the literal types will give you a view of these hard coded literals.

The details below reflect the literals details and the new value.

- Object Names
- Reference
- Data Element
- New value

😪 Analysis 🖌 🎸 Decision 🛛 🎇 Execu	ition							
Cecision     Mass decision	Workflow	2 Overviev	v 🔒					
Hard coded literals	Status	Decision	Conf (D01)	Conf (D02)	Obj. Name	Reference	Data elem.	New value
🔻 🍟 All Object Types	Completed		9	0				
🝷 達 Classes	Completed		4	0				
🔻 🛅 All Conflicting Literals	Completed		4	0				
▼ C ZGF_TEST_CLASS_3	Completed		4	0				
💌 📂 All Literal types	🔲 Completed		4	0	l			
• 🗞 3001	📃 Decision	Translate	1	0		PC_INDEX	SRTVCOR	9279
• 🥃 3001	📃 Decision	Translate	1	0	HCL_MET	LV_INDEX	SRTVCOR	9279
• 🔁 3001 ( TEXT-TO1 )	📃 Decision	Translate	1	0	HCL_MET	LV_INDEX2	SRTVCOR	9279
• 🗖 3001	📃 Decision	Translate	1	0	HCL_MET	X_INDEX	SRTVCOR	9279
🕨 🧀 ABAP literals	🔲 Completed		1	0				
🕨 🧀 Text elements	🔲 Completed		1	0				
🕨 🚞 Class attributes	🔲 Completed		1	0				
🕨 📄 METH parameters	🔲 Completed		1	0				
🔻 🛅 All Conflicts in System A	Completed		4	0				
CGF_TEST_CLASS_3	Completed		4	0				
🔻 🛅 All Conflicts in System B	📃 No conflict		0	0				
<ul> <li>Inhancement spot implementation</li> </ul>	🔲 No conflict		0	0				

If you right mouse click on the object name then the 'Display' option allows viewing the object in the system where the object resides.

Analysis Cecision Street	ution	W				
Hard coded literals	Status Decision	Conf (D01)	Conf (D02) Obj. Name	Reference	Data elem.	New value
💌 📥 All Object Types	Completed	9	0			
🔻 🤃 Classes	Completed	4	0			
<ul> <li>All Conflicting Literals</li> </ul>	Completed	4	0			
▼ C ZGF_TEST_CLASS_3	Completed	4	0			
🕆 🗁 All Literal 🛛 Display	Display in D01	4	0			
• 🥸 3001 🛛 <u>D</u> ecide	Decision Translate	1	0	PC_INDEX	SRTVCOR	9279
• 🥃 3001	🗖 Decision Translate	1	0 HCL_MET	LV_INDEX	SRTVCOR	9279
• 🔁 3001 ( TEXT-TO1 )	Decision Translate	1	0 HCL_MET	—		
• 3001	Decision Translate	1	0 HCL_MET	X_INDEX	SRTVCOR	9279
ABAP literals		1	0			
Text elements	Completed	1	0			
<ul> <li>Class attributes</li> </ul>	Completed	1	0			
METH parameters		1	0			
<ul> <li>All Conflicts in System A</li> </ul>		4	0			
CF_TEST_CLASS_3		4	0			
All Conflicts in System B	No conflict	0	0			
<ul> <li>Enhancement spot implementation</li> </ul>	No conflict	0	0			
<ul> <li>ES SAP Script</li> </ul>	📃 No conflict	0	0			

Below if you right mouse click on the object name then the 'Decide' option allows the user to change the decisions, options are as below, this is the same as the 'Decision' button **Cecision**.

\*Translate the literal \*Ignore Conflict \*Remediate Manually \*Cancel decision

Consolidator -	- 1	.00
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Analysis Cecision SExect	
🚱 🙀 Decision 🔽 🚟 Mass decision 🔽 🕄	◆Workflow 🔽 🚾 Overview 🔽
Hard coded literals	Status Decision Conf (D01) Conf (D02) Obj. Name Reference Data elem. New value
🔻 🃥 All Object Types	Completed 9 0
🔻 達 Classes	Completed 4 0
<ul> <li>All Conflicting Literals</li> </ul>	Completed 4 0
▼ C ZGF_TEST_CLASS 3	Completed 4 0
🔹 🗁 All Literal 🛛 Display	Completed 4 0
• 🗞 3001 🛛 <u>D</u> ecide	<u>Translate the literals</u> 1     0     PC_INDEX SRTVCOR     9279
• 🥃 3001 💆	Iqnore conflicts 1 0 HCL_MET LV_INDEX SRTVCOR 9279
• 🔁 3001 ( TEXT-TO1 )	Remediate manually
• 🗖 3001	
🕨 🧀 ABAP literals	Cancel decisions 1 0
🕨 🧀 Text elements	Completed 1 0
🕨 🧀 Class attributes	Completed 1 0
🕨 🖿 METH parameters	Completed 1 0
💌 🗁 All Conflicts in System A	Completed 4 0
CGF_TEST_CLASS_3	Completed 4 0
🚬 🗁 All Conflicts in System B	No conflict 0 0
<ul> <li>Enhancement spot implementation</li> </ul>	No conflict 0 0
► 🖃 SAP Script	No conflict 0 0

\*

To keep the phases in order once you close a phase it cannot be reopened

When you are certain you are ready to close the phase use the 🗾 option on the 'Workflow' button

Workflow and select close phase. Continue to the next phase Execution Phase.

#### **Execution Phase**

The Execution phase is broken down into two section the operation of the run and then viewing the results.

- Operation
- <u>Results</u>

# Operation

The first task is to open the analysis phase go to the 'Configuration' drawer and open the 'Plans' and then open the workflow tab.

CONTEXT	
s Plan	
ECC Consolidation	✓
Status : Active	
Solution 2010 Sector 2010 Sect	
🔁 Results	
Dperation	
🔆 Configuration	
Configuration	options
Type Description	
Steps	
Caroups	
Process chains	
Systems Plans	
Pians	

In the workflow tab select the stage 'Hard Code Literals' phase 'Execution' and press the 'Open Phase button, the phase is now open for operations.

Display of plan 90000002	7						
Header							
Plan name	ECC Consoli	dation			Stat	tus Activ	e
😂 Header 🖉 🐉 Work	flow						
🔁 🗗 Open phase 🔒 🕻	ose phase						
Consolidation wo	orkflow						
Type Stage	Phase	St. Status	Opened by	Opened on	Closed by	Closed on	
Customizing data	Analysis	🔒 Closed	TENGLAND	12.02.2016	TENGLAND	22.02.2016	
Customizing data	Decision	Closed	TENGLAND	22.02.2016	TENGLAND	24.02.2016	
	Decision Execution	-	TENGLAND TENGLAND	22.02.2016 24.02.2016	TENGLAND TENGLAND	24.02.2016 26.02.2016	
Customizing data		-					
Customizing data	Execution Transfer	Closed	TENGLAND	24.02.2016			
Customizing data Customizing data Customizing data	Execution Transfer Analysis	Closed	TENGLAND TENGLAND	24.02.2016 26.02.2016	TENGLAND	26.02.2016	

With the analysis phase now open go to the 'Operation' drawer and select the 'Hard Code Literals \execution' phase and press the 'Execute' button. Selecting the execute button again will trigger the programs that are required to run for analysis with their default settings, pressing the refresh button will show the progress of the analysis programs running.

Consolidation Cockpit													
CONTEXT	🛃 📾 Abort 💶 Log 🖾 Job overview												
se Plan	Process chain	Reference	Act.	Order Sys	stem						End date	End time	Est. time
ECC Consolidation	Hard coded literals execution	007				✓			28.02.2016				
Status : Active	<ul> <li>Hard coded literals mass execution</li> </ul>	000000022		1 D01	1	<b>V</b>	<b>\$</b> ;	In progress	28.02.2016	12:17:35			
R Overview													
Results													
Geration													
Execute Run history													
Process chains													
St. Chain name Op.													
St. Chain name Op. Customizing analysis A Customizing decision A Customizing execution A													
Customizing decision													
Customizing execution													
Customizing transfer													
Hard coded literals analysis													
Hard coded literals decision													
Hard coded literals execution													
Custom objects analysis													
Custom objects decision													
Custom objects execution													
Custom objects transfer													

To view past runs select the 'Hard coded literals Execution' and press the 'Run History' button, all runs will then be displayed. To view the full details of the run press the Runtime ID hotspot, in this case '00001'.

Consolidation Cockpit			
CONTEXT			
😴 Plan		Run history : Hard coded literals execution	
ECC Consolidation	✓	Runtime ID System A System B Created by St. Status Last step Start date Start time End date End time Job name	Job no.
Status : Active		Outchine         Dispetition         Dispetition <thdispetition< th=""> <thdispetition< th=""> <t< td=""><td></td></t<></thdispetition<></thdispetition<>	
🔊 Overview			
Results			
Deration			
Execute Run history			
Process chains			
St. Chain name	Op.		
🗡 Customizing analysis			
Customizing decision	<b>a</b>		
Customizing execution	<b>a</b>		
Customizing transfer	6		
Hard coded literals analysis	<b>a</b>		
Hard coded literals decision	8		
Hard coded literals execution			
Custom objects analysis	8		
Custom objects decision	6		
Custom objects execution	•		
🗪 Custom objects transfer	•		

When the jobs have a status of finished when complete, it is ready to progress to the <u>Results</u> screen.

Consolidation Cockpit												
consolidation cockpit												
		1										
CONTEXT	🔁 🖾 Abort 🛄 Log 🛛 🖾 Job overview											
ළ Plan	Process chain	Reference	Act.	Order	System	Select	 			***************		Est. time
ECC Consolidation	<ul> <li>B Hard coded literals execution</li> </ul>	007				<ul><li>✓</li></ul>				28.02.2016		
	<ul> <li>Hard coded literals mass execution</li> </ul>	0000000022	/	1	L D01	$\checkmark$	Finished	28.02.2016	12:17:35	28.02.2016	12:17:41	
Status : Active												
Overview												
Results												
Operation												
Execute Strain Run history												
Process chains												
St. Chain name Op.												
Customizing analysis												
Customizing analysis Customizing decision Customizing execution												
Customizing execution												
Customizing transfer												
Hard coded literals analysis												
Hard coded literals decision												
Hard coded literals execution												
Custom objects analysis												
Custom objects decision												
Custom objects execution												
Custom objects transfer												

## Results

The Execution phase of the Hard Code Literals stage is where the actual changes are made to the code.

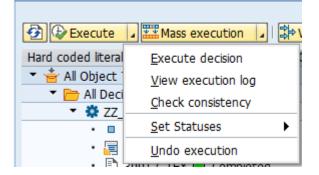
Once the Decision programs have run from the <u>Operation</u> section it is time to view the results, go to the 'Results' drawer and select the 'Hard Code Literal' then select the 'Execution' tab.

The screen below shows the number of objects in each system and the number of hard code literal conflicts and their status after the execution programs have run. Failures will need to be investigated and resolved.

All Decision Types  All Decision Types  ZZ_CON_FUNC  3001  Selection  3001  3001	execution / Status Completed Completed Completed Completed Completed	Workflow		Nb executions Decision 9 9 3 1 Translate	Conf (D02) 0 0 0	Nb decisions 0 0	Nb executions 0 0	Decision	Obj
Execute	execution / Status Completed Completed Completed Completed Completed	• Workflow Conf (D01) 9 9	Nb decisions 9 9	Nb executions Decision 9 9 3	0	0	0	Decision	Obj
All Object Types All Decision Types All Decision Types ZZ_CON_FUNC 0 3001 Call States 3001	Completed Completed Completed Completed Completed	9	9 9	9 9 3	0	0	0	Decision	Obj
<ul> <li>All Decision Types</li> <li>ZZ_CON_FUNC</li> <li>3001</li> <li>3001</li> </ul>	Completed Completed Completed Completed	9	9	9	-	0	•		
<ul> <li>ZZ_CON_FUNC</li> <li>3001</li> <li>3001</li> </ul>	Completed Completed Completed			3	-		0		
• 💷 3001 • 🔙 3001	Completed Completed	3	3	-	0	0			
• 🔙 3001	Completed	1	1	1 Tennelate		0	0		
		1		1 Translate	0	0	0		
D poor ( TD)			1	1 Translate	0	0	0		LZZ_
	Completed	1	1	1 Translate	0	0	0		LZZ_
ZGF_TEST_CL/		4	4	4	0	0	0		
	Completed	1	1	1 Translate	0	0	0		
	Completed	1	1	1 Translate	0	0	0		HCL_
• 📮 3001 ( TEX		1	1	1 Translate	0	0	0		HCL_
· <b>3001</b>	Completed	1	1	1 Translate	0	0	0		HCL_
ZCN_PROG_00	Completed	2	2	2	0	0	0		
• 🔚 3001	Completed	1	1	1 Translate	0	0	0		
• 📮 3001 ( TEX	Completed	1	1	1 Translate	0	0	0		
Translate	Completed	9	9	9	0	0	0		
Ignore	No executio	n 0	0	0	0	0	0		
	Completed	0	0	0	0	0	0		
No decision made	No decision	0	0	0	0	0	0		
	ZCN_PROG_00     ZON_ROG_01     S 3001     Translate     Ignore     Manually rename	Image: Construction of the second s	Image: Complete and Completed         2           Image: Completed         1           Image: Completed         9           Ignore         No execution         0           Image: Completed         0         Completed         0	▼ [m] ZCN_PROG_00         Completed         2         2           • [m] 3001         ■ Completed         1         1           • [m] 3001 (TE)         ■ Completed         1         1           Translate         ■ Completed         9         9           Ignore         ■ No execution         0         0           Manually rename         ■ Completed         0         0	▼ [I] ZCN_PROG_00         Completed         2         2           ● [I] 3001         ■ Completed         1         1         1 Translate           ● [I] 3001 (TEX         ■ Completed         1         1         1 Translate           □ Translate         ■ Completed         9         9         9           □ Ignore         ■ No execution         0         0         0           □ Manually rename         ■ Completed         0         0         0	▼ [] ZCN_PROG_00         Completed         2         2         0           3001         ■ Completed         1         1         1 Translate         0           • ○ 3001 (TEX         ■ Completed         1         1         1 Translate         0           □ Translate         ■ Completed         9         9         9         0           □ Ignore         ■ Nexecution         0         0         0         0           □ Manually rename         ■ Completed         0         0         0         0	▼ [I] ZCN_PROG_00         Completed         2         2         2         0         0           • [I] 3001         ■ Completed         1         1         1 Translate         0         0           • [I] 3001 (TEX         ■ Completed         1         1         1 Translate         0         0           ■ Translate         ■ Completed         9         9         9         0         0           ■ Ignore         ■ Nexecution         0         0         0         0         0           ■ Manually rename         ■ Completed         0         0         0         0         0	▼ [I] ZCN_PROG_00         □ Completed         2         2         2         0         0         0           • [I] 3001         □ Completed         1         1         1 Translate         0         0         0           • [I] 3001         □ Completed         1         1         1 Translate         0         0         0           □ Translate         □ Completed         9         9         9         0         0         0           □ Ignore         □ No execution         0         0         0         0         0         0           □ Manually rename         □ Completed         0         0         0         0         0         0	▼ [I] ZCN_PROG_00         □ Completed         2         2         2         0         0         0           • [I] 3001         □ Completed         1         1         1 Translate         0         0         0           • [I] 3001         □ Completed         1         1         1 Translate         0         0         0           □ Translate         □ Completed         9         9         9         0         0         0           □ Ignore         □ No execution         0         0         0         0         0         0           □ Manually rename         □ Completed         0         0         0         0         0         0

The buttons on this screen operate by clicking the right hand down arrow details on what each button does are as below.

The 'Execution' button Execute allows the user a number of options as below:



- Execute Decision Enables an individual execution to be run, useful if an execution has been undone and you want to revert a section
- View Execution Log Enables the logs to be viewed, useful when trying to solve errors
- · Check Consistency Enables consistency checks to be run
- · Set Status The status of an individually select item or group can be set
- · Undo Execution Undo the execution so changes are reverted

Status options under 'Set Status' are:

- In Progress
- Executed
- Failed
- Undone
- · Reset to initial

The 'Mass Execution' button Mass execution allows the user to run the programs for this phase, however, it is recommended the user does not use this and completes this through the operation drawer as this adds greater clarity.

The 'Workflow' button I allows the user to open and close this phase.

The 'Overview' button 2 allows the user to view the reports for this phase, see the <u>Reporting</u> section for more details.

On the hard code literals screen below, opening up an Object Type provides further folders where you can view more information about the objects in each object type. Opening up the 'All Literals' folders lists all of the objects of this type in both systems, opening up the 'All Conflicting Literals' folders lists all of the objects in the selected object type in conflict across the two systems. Here opening up the object and viewing the literal types will give you a view of these hard coded literals.

The details below reflect the literals details and the new value.

- Object Names
- Reference
- Data Element
- New value

Consolidation Cockpit													
DNTEXT	😪 Analysis 🛛 🥜 Decisio	n 🖉 😫 Execu	ition										
Plan			-										
C Consolidation 🗸 🖌	😨 🕼 Execute 🔒 🧱 Mass	execution 🔒	Workflow	2 Overview	-								
	Hard coded literals	Status	Conf (D01)	Nb decisions	Nb executions De	cision Conf (D02	) Nb decisions	Nb executions	Decision	Obj. Name	Reference	Data elem.	New value
itus : Active		Completed	9	9	9		0 0	) ()					
	<ul> <li>All Decision Types</li> </ul>		9	9	9		0 0	) (					
	<ul> <li>Description</li> <li>Descript</li></ul>		3	3	3		0 0	) (					
		Completed	1	1	1 Tra	nslate	0 0	) 0			X_INDEX	SRTVCOR	9279
		Completed	1	1	1 Tra	nslate	0 0	) 0				SRTVCOR	
Overview	• 🔁 3001 ( TE)		1	1	1 Tra	nslate	0 0	) 0		LZZ_CON	LV_INDEX2	SRTVCOR	9279
esults	<ul> <li>ZGF_TEST_CL</li> </ul>		4	4	4		0 0	) (					
		Completed	1	1	1 Tra	nslate	0 0	) (			PC_INDEX	SRTVCOR	9279
sult Areas		Completed	1	1	1 Tra	nslate	0 0	) (		HCL_MET	LV_INDEX	SRTVCOR	9279
e Consolidation stage	• 🗘 3001 ( ТЕ)		1	1	1 Tra	nslate	0 0	) (		HCL_MET	LV_INDEX2	SRTVCOR	9279
Plan consistency checks	· ■ 3001	Completed	1	1	1 Tra	nslate	0 0	) 0		HCL_MET	X_INDEX	SRTVCOR	9279
Workflow	<ul> <li>T ZCN_PROG_00</li> </ul>	Completed	2	2	2		0 0	) ()					
Customizing Data	• 🔙 3001	Completed	1	1	1 Tra	nslate	0 0	) (			LV_HOL	SRTVCOR	9279
	• 🔁 3001 ( TE)	Completed	1	1	1 Tra	nslate	0 0	) (			LV_HCL	SRTVCOR	9279
Hard-coded Literals	Translate	Completed	9	9	9		0 0	) ()					
Custom Objects	ZZ_CON_FUNC	Completed	3	3	3		0 0	) 0					
	<ul> <li>■ 3001</li> </ul>	Completed	1	1	1 Tra	nslate	0 0	) (			X_INDEX	SRTVCOR	9279
	• 🔙 3001	Completed	1	1	1 Tra	nslate	0 0	) 0		LZZ_CON	LV_INDEX	SRTVCOR	9279
	• 🔁 3001 ( TE)	Completed	1	1	1 Tra	nslate	0 0	) 0		LZZ_CON	LV_INDEX2	SRTVCOR	9279
	<ul> <li>ZGF_TEST_CL</li> </ul>	Completed	4	4	4		0 0	) 0					
		Completed	1	1	1 Tra	nslate	0 0	) 0			PC_INDEX	SRTVCOR	9279
	- 🥅 3001	Completed	1	1	1 Tra	nslate	0 0	) 0		HCL_MET	LV_INDEX	SRTVCOR	9279
	• 🔁 3001 ( TE)	Completed	1	1	1 Tra	nslate	0 0	0				SRTVCOR	
	· <b>3</b> 001	Completed	1	1	1 Tra	nslate	0 0	) 0				SRTVCOR	
	<ul> <li>T ZCN_PROG_00</li> </ul>	Completed	2	2	2		0 0	) 0					
	• 属 3001	Completed	1	1	1 Tra	nslate	0 0	) 0			LV_HCL	SRTVCOR	9279
	• 🔁 3001 ( TEX		1	1		nslate	0 0	) 0			LV_HCL	SRTVCOR	
		No execution	n 0	0	0		0 0	) 0					
	Manualy rename	Completed	0	0	0		0 0	0					
	No decision made		0	0	0		0 0	0					

If you right mouse click on the object name then the 'Display' option allows viewing the object in the system where the object resides.

😪 Analysis 🛛 🞸 Decision 🖉 🍀	Execution												
Execute     Mass execution	Vorkflow	2 Overview	v .										
Hard coded literals	Status	Conf (D01)	Nb decisions	Nb executions	Decision	Conf (D02)	Nb decisions	Nb executions	Decision	Obj. Name	Reference	Data elem.	New value
<ul> <li>All Object Types</li> </ul>	Completed	9	9	9		0	0	0					
<ul> <li>All Decision Types</li> </ul>	Completed	9	9	9		0	0	0					
ZZ_CON_FUNC_TEST_10	Completed	2	3	3		0	0	0					
• <b>3</b> 001	Display	Display in D01	1	1	Translate	0	0	0			X_INDEX	SRTVCOR	9279
• 🥃 3001	Execute )	1	1	1	Translate	0	0	0		LZZ_CON	LV_INDEX	SRTVCOR	9279
• 🔁 3001 ( TEXT-T01 🖵	Completed	1	1	1	Translate	0	0	0		LZZ_CON	LV_INDEX2	SRTVCOR	9279
<ul> <li>ZGF_TEST_CLASS_3</li> </ul>	Completed	4	4	4		0	0	0					
• 🥎 3001	Completed	1	1	1	Translate	0	0	0			PC_INDEX	SRTVCOR	9279
• 🥃 3001	Completed	1	1	1	Translate	0	0	0		HCL_MET	LV_INDEX	SRTVCOR	9279
• 🔁 3001 ( TEXT-T01 )	Completed	1	1	1	Translate	0	0	0		HCL_MET	LV_INDEX2	SRTVCOR	9279
<ul> <li>         3001     </li> </ul>	Completed	1	1	1	Translate	0	0	0		HCL_MET	X_INDEX	SRTVCOR	9279
<ul> <li>ZCN_PROG_001</li> </ul>	Completed	2	2	2		0	0	0					
• 🥃 3001	Completed	1	1	1	Translate	0	0	0			LV_HCL	SRTVCOR	9279
• 🔁 3001 ( TEXT-T01 )	Completed	1	1	1	Translate	0	0	0			LV_HCL	SRTVCOR	9279

Below if you right mouse click on the object name then the 'Execute' option allows the user to change the decisions, options are as below, this is the same as the 'Execution' button **Execute**.

- Execute Decision Enables an individual execution to be run, useful if an execution has been undone and you want to revert a section
- View Execution Log Enables the logs to be viewed, useful when trying to solve errors
- · Check Consistency Enables consistency checks to be run
- Set Status The status of an individually select item or group can be set
- · Undo Execution Undo the execution so changes are reverted

Status options under 'Set Status' are:

- In Progress
- Executed
- Failed

\*

- Undone
- Reset to initial

Execute Mass execution	- Workflow	. Soverview										
lard coded literals	Status	Conf (D01) N	b decisions	Nb executions De	ecision Conf (D02	) Nb decisions	Nb executions	Decision	Obj. Name	Reference	Data elem.	New value
' 🍟 All Object Types	Completed	9	9	9		0 0	0					
All Decision Types	Completed	9	9	9		0 0	0					
ZZ_CON_FUNC_TEST_10	Completed	3	3	3		0 0	0					
· ■ 3001	Display 🕨 🖌	1	1	1 Tra	anslate	0 0	0			X_INDEX	SRTVCOR	9279
• 🔄 3001	Execute 🕨	Execute decisions	1	1 Tra	anslate	0 0	0		LZZ_CON	LV_INDEX	SRTVCOR	9279
• 🖓 3001 ( TEXT-T01)	Complete	View execution lo	l l	1 Tra	anslate	0 0	0		LZZ_CON	LV_INDEX2	SRTVCOR	9279
<ul> <li>ZGF_TEST_CLASS_3</li> </ul>	Complete	_				0 0	0					
• 🎨 3001	Complete	Set Statuses	•	In progress	e	0 0	0			PC_INDEX	SRTVCOR	9279
· 🐺 3001	Complete	Undo executions		Executed	e	0 0	0		HCL_MET	LV_INDEX	SRTVCOR	9279
• 🔁 3001 ( TEXT-T01 )	Completed	1		Eailed	e	0 0	0		HCL_MET	LV_INDEX2	SRTVCOR	9279
<ul> <li>3001</li> </ul>	Completed	1		Undone	e	0 0	0		HCL_MET	X_INDEX	SRTVCOR	9279
ZCN_PROG_001	Completed	2		-	_	0 0	0					
• 🔙 3001	Completed	1	_	Reset to initial	e	0 0	0			LV_HCL	SRTVCOR	9279
<ul> <li></li></ul>	Completed	1	1	1 Tra	anslate	0 0	0			LV_HCL	SRTVCOR	9279

To keep the phases in order once you close a phase it cannot be reopened

When you are certain you are ready to close the phase use the 🗾 option on the 'Workflow' button

Workflow and select close phase. The Hard Code Literal stage is now complete.

### **Custom Objects**

The custom objects stage is dealt with through four phases which are completed in the order below:

- Analysis Phase
- Decision Phase
- Execution Phase
- Transfer Phase

## **Analysis Phase**

The Analysis phase is broken down into two section the operation of the run and then viewing the results.

- Operation
- <u>Results</u>

## Operation

The first task is to open the analysis phase go to the 'Configuration' drawer and open the 'Plans' and then open the workflow tab.

CONTEXT	
s Plan	
ECC Consolidation	✓
Status : Active	
S Overview	
🔁 Results	
Dperation	
🔆 Configuration	
Configuration	options
Type Description	
Steps	
Caroups	
Process chains       Systems	
Systems Plans	
<u></u>	

In the workflow tab select the stage 'Custom Objects' phase 'Analysis' and press the 'Open Phase button.

🔄 Display of plan 9000000027						×
Header						
Plan name ECC Con	solidation			Sta	atus A	ctive
😂 Header 🛛 🗱 Workflow						
🔁 🗗 Open phase 🔒 Close phase						
Consolidation workflow	_					
	St. Status	Opened by	Opened or	Closed by	Closed or	
Type Stage Phase Customizing data Analysis		Opened by TENGLAND	Opened on 12.02.2016	Closed by	Closed on	
Customizing data Decision		TENGEARD	12.02.2010			-
Customizing data Executio						-
Customizing data Transfer						-
Hard coded literals Analysis		TENGLAND	13.02.2016			
Recision	I 🔷					
Hard coded literals Execution	on 🔷					
Custom objects Analysis	; 🔷					
Custom objects Decision	I 🔷					
Custom objects Execution	· ·					
Custom objects Transfer	r 🔷					
	-		-			

The phase is now open for operations.

🕞 Display of plan 90000002	7						×
Header							
Plan name	ECC Consoli	dation			St	atus A	ctive
🛎 Header 🛛 🕏 Work	flow						
🚱 🔓 Open phase 🔒 Cl	ose phase						
Consolidation wo							
Type Stage	Phase	St. Status		Opened on	Closed by	Closed on	
Customizing data	Analysis	🔐 Open	TENGLAND	12.02.2016			
Customizing data	Decision	•					
Customizing data	Execution						_
Customizing data	Transfer	•					_
Hard coded literals	-	🔐 Open	TENGLAND	13.02.2016			_
Hard coded literals		•					_
A Hard coded literals		-		40.00.0046			_
Custom objects	Analysis	Open	TENGLAND	13.02.2016			_
Custom objects	Decision	<b>♦</b>					_
Custom objects	Execution	-					_
Custom objects	Transfer	<b>♦</b>					

With the analysis phase now open go to the 'Operation' drawer and select the 'Custom Objects' phase and press the 'Execute' button.

Consolidation Cockpit											
CONTEXT	Schedule										
ନ୍ତ୍ରି Plan	Process chain	Reference	Act.	Order System	Select	St.	Status	St. date	St. time	End date	End
ECC Consolidation	<ul> <li>S Custom objects analysis</li> </ul>	003	1		$\checkmark$						
	<ul> <li>Custom object comparison</li> </ul>	000000001	1	1	$\checkmark$						
Status : Active	<ul> <li>Diject list generator - System A</li> </ul>	000000001	1	1 D01	$\checkmark$						
	<ul> <li>Diject list generator - System B</li> </ul>	000000002		2 D02	$\checkmark$						
2 Overview	<ul> <li>Retrieve object list from remote system - System A</li> </ul>		1	3 D01	$\checkmark$						
Results	<ul> <li>Retrieve object list from remote system - System B</li> </ul>		1	4 D01	$\checkmark$						
Section 1997	<ul> <li>Collect object conflict information</li> </ul>	000000005	/	5 D01	$\checkmark$						
Execute Run history											
Process chains											
St. Chain name Op.											
Customizing analysis											
Customizing decision											
Customizing execution											
Customizing transfer											
Hard coded literals decision											
Hard coded literals execution											
Custom objects analysis											
Custom objects decision											
Custom objects execution											
Custom objects transfer											

Selecting the execute button again will trigger the programs that are required to run for analysis with their default settings, pressing the refresh button will show the progress of the analysis programs running.

Solution Solution   Status: Active   Consolidation Objects analysis   Coverview Image: Consolidation objects analysis   Coverview Image: Consolidation objects decision objects analysis   Results Object list generator - System A   Opperation Object list generator - System B   Collect object conflict information Objects analysis   Custom coljects analysis Image: Conflict information													🕢 📾 Abort 💶 Log				ONTEXT
Ecc Consolidation       Image: Custom objects analysis       003       Image: Custom objects analysis	t. time End date					Select	em l	System	Order	Act.							g Plan
Status : Active       0000000001       1       V         Status : Active       0000000001       1       101       V       Finished       13.02.2016 2         Overview       0 Object list generator - System B       0000000002       2       2       D02       V       Finished       13.02.2016 2         Results       0 Object list generator - System B       0000000003       3       D01       V       Finished       13.02.2016 2         I Operation       V       Execute       Run history       Finished       13.02.2016 2         Process chains       000       000       000000003       3       D01       V       Finished       13.02.2016 2         Customizing analysis       0       000       000000003       5       D01       V       Finished       13.02.2016 2         Customizing analysis       0       000       000000003       5       D01       V       Finished       13.02.2016 2         Customizing decision       0       000       000000003       5       D01       V       Finished       13.02.2016 2         Hard coded literals analysis       0       0       0       0       0000000005       S       D01       V       Finished	3:51:20 13.02.2	23:51:20	13.02.2016	Finished										<ul> <li></li> </ul>			
Object list generator - System B     O00000002     2 D02     2 D02     2 D0     2 D02     2 D0     2 D02     2 D0					_			1	1	1		-					
<ul> <li>Retrieve object list from remote system - System A</li> <li>000000003 3 3 D01 2 Enished 13.02.2016 2</li> <li>Retrieve object list from remote system - System B</li> <li>0000000000 2 5 D01 2 Enished 13.02.2016 2</li> <li>Collect object conflict information</li> <li>Collect object conflict information</li> <li>Customizing analysis</li> <li>Customizing transfer</li> <li>Hard coded literals acecution</li> <li>Custom objects decision </li> </ul>	3:51:20 13.02.2				_					1		-					tatus : Active
<ul> <li>Results</li> <li>Results</li> <li>Retrieve object list from remote system - System B</li> <li>O000000004 4 DD1 9</li> <li>Finished 13.02.2016 2</li> <li>Collect object conflict information</li> <li>Customizing analysis</li> <li>Customizing transfer</li> <li>Custom objects analysis</li> <li>Custom objects analysis</li> <li>Custom objects decision </li> <li>Custom objects decision </li> </ul>	8:52:00 13.02.2									1							Ourselaw.
<ul> <li>Collect object conflict information</li> <li>Collect object conflict</li></ul>									-	4							
ii Operation Cestorities analysis Customizing decision Customizing decision Customizing execution Customizing transfer Hard coded literals analysis Hard coded literals execution Custom objects analysis Custom objects decision Custom Cus										4							Results
Process chains Customizing analysis Customizing execution Customizing transfer Hard codel literals analysis Custom objects analysis Custom objects decision Custom objects decision Custom objects analysis Custom objects decision Custom custom c	:52:56 13.02.2	23:52:50	13.02.2016	Finished		4		) D01	5	-	000000005	0	Collect object conflict information				Operation
St. Chain name       Op.         Customizing analysis       Image: Customizing decision         Customizing execution       Image: Customizing transfer         Customizing transfer       Image: Customizing transfer         Hard coded literals analysis       Image: Customizing transfer         Hard coded literals decision       Image: Custom objects analysis         Custom objects analysis       Image: Custom objects analysis         Custom objects decision       Image: Custom objects decision																history	Execute Run history
Customizing analysis       Image: Customizing decision         Customizing execution       Image: Customizing transfer         Customizing transfer       Image: Customizing transfer         Hard coded literals analysis       Image: Customizing customizing transfer         Hard coded literals decision       Image: Custom objects analysis         Custom objects decision       Image: Custom objects decision         Custom objects decision       Image: Custom objects decision																าร	rocess chains
Customizing decision       Image: Customizing execution         Customizing transfer       Image: Customizing transfer         Hard coded literals analysis       Image: Custom customizing transfer         Hard coded literals decision       Image: Custom customizing execution         Custom objects analysis       Image: Custom customizing execution         Custom objects decision       Image: Custom objects decision															Op.		. Chain name
Customizing decision       Image: Customizing execution         Customizing transfer       Image: Customizing transfer         Mard coded literals analysis       Image: Customizing transfer         Hard coded literals decision       Image: Custom objects analysis         Custom objects analysis       Image: Custom objects decision         Custom objects decision       Image: Custom objects decision															<b>F</b>	alysis	Customizing analysis
Customizing transfer               Ard coded literals analysis             Ard coded literals decision             Arad coded literals decision             Arad coded literals execution             Custom objects analysis             Custom objects decision             Acutom context and the second se																	Customizing decision
Hard coded literals analysis       Image: Control of the															•	ecution	Customizing execution
✓ Hard coded literals decision       ♦         ✓ Hard coded literals execution       ♦         ✓ Custom objects analysis       □         ✓ Custom objects decision       ♦															•	insfer	Customizing transfer
Hard coded literals execution         Custom objects analysis         Custom objects decision															6	rals analysis	Hard coded literals analysi
✓ Custom objects analysis															•	rals decision	Hard coded literals decisio
Custom objects decision															•	rals execution	Hard coded literals execut
Custom objects decision															6	analysis	Custom objects analysis
																decision	Custom objects decision
Custom objects execution															•	execution	Custom objects execution

To view past runs select the 'Custom Objects' and press the 'Run History' button, all runs will then be displayed. To view the full details of the run press the Runtime ID hotspot, in this case '00001'.

Consolidation Cockpit	
CONTENT	
CONTEXT	
s Plan	Run history : Custom objects analysis
ECC Consolidation	Runtime ID System A System B Created by St. Status Last step Start date Start time End date End time Job name Job no.
Status : Active	D0001         System DZZ (D01)         Test system (D02)         TENGLAND         Finished         0000000005         13.02.2016         23:51:20         13.02.2016         23:55:07         CONSOLIDATOR         2350470
2 Overview	
Results	
Geration	
Execute Run history	
Process chains	
St. Chain name Op.	
Customizing analysis Customizing decision	
Customizing execution	
Customizing transfer	
Hard coded literals analysis	
Hard coded literals decision     Hard coded literals execution	
Custom objects analysis	
Custom objects decision	
Custom objects execution	
Custom objects transfer	

The full run details are displayed as below:

Consolidation Cockpit										
CONTEXT	Back									
SP Plan ECC Consolidation	Process chain     ✓    So Custom objects analysis     ✓	Reference 003 0000000001	Act.	Order System				End date 13.02.2		Es
Status : Active	Object list generator - System A     Object list generator - System B     Retrieve object list from remote system - System A		111	1 D01 2 D02 3 D01	Finished Finished	13.02.2 13.02.2	23:52:00 23:52:41	13.02.2 13.02.2 13.02.2	23:52:41 23:52:51	
Results	Retrieve object list from remote system - System B     Collect object conflict information	0000000004	1	4 D01 5 D01				13.02.2 13.02.2		
Process chains										
St. Chain name Op. Customizing analysis Customizing decision Customizing execution Op.										
Customizing transfer Hard coded literals analysis Hard coded literals decision										
Hard coded literals execution     Image: Custom objects analysis       Custom objects decision     Image: Objects decision										
Custom objects execution Custom objects transfer										

## Results

The Analysis phase of the Custom Objects stage this will provide the number of objects from each system and the number of conflicts that have been found.

Once the Analysis programs have run it is time to view the results, go to the 'Results' drawer and select the 'Custom Objects'.

The screen below shows the number of objects in each system and the number of conflicts found between the systems.

CONTEXT	- Recution	O	r		
නි Plan		_			
ECC Consolidation	😥 🕼 Update 🔒 🗱 Workflow 🔒 🧟 Overview	4			
	Custom Objects	Obis (D01)	Objs (D02)	Confs	
Status : Active	<ul> <li>All Object Types</li> </ul>	2.642	1.130	104	
	Authorization Fields	9	1	1	
Overview	Classes	147	29	2	
Results	<ul> <li>Customer Enhancement Projects (CMOD)</li> </ul>	3	0	0	
and Areas	B Package	90	26	8	
lesult Areas	Data Domain	117	43	7	
ype Consolidation stage	<ul> <li>Data Element</li> </ul>	342	95	9	
Plan consistency checks	Enhancement Implementation	15	0	0	
Workflow	Enhancement Spot	2	0	0	
Customizing Data	<ul> <li>Lock Object</li> </ul>	16	2	1	
Hard-coded Literals	Function Group	104	38	6	
& Custom Objects	Function Module	237	287	5	
	<ul> <li>Interface</li> </ul>	35	9	1	
	• T Message Class	11	4	0	
	• W Number range object	8	2	1	
	Parameter ID	7	1	0	
	🕨 🔚 Program	997	292	23	
	<ul> <li>E<sup>(1)</sup> Search Help</li> </ul>	17	3	1	
	<ul> <li>SAP Modification Implementations (SMOD)</li> </ul>	0	0	0	
	<ul> <li>SAP SmartForms</li> </ul>	4	0	0	
	<ul> <li>Authorization Objects</li> </ul>	19	8	1	
Operation	🕨 🔅 BAdI Implementation	2	1	0	
Configuration	<ul> <li>BAdI Definition</li> </ul>	3	1	1	

The buttons on this screen operate by clicking the right hand down arrow details on what each button does are as below.

The 'Update' button Update allows the user to run the programs for this phase individually, however, it is recommended the user does not use this and completes this through the operation drawer as this adds greater clarity.

The 'Workflow' button Workflow allows the user to open and close this phase.

The 'Overview' button **Overview** allows the user to view the reports for this phase, see the <u>Reporting</u> section for more details.

On the custom objects screen below, opening up an Object Type provides further folders where you can view more information about the objects in each object type.

🗟 Analysis 🛛 🖌 Decision 🛛 🎊 Execution	O <sup>3</sup> Transfe	r		
Dpdate     🗱 Workflow   🔊 💁 Overview	4			
ustom Objects	Objs (D01)	Objs (D02)	Confs	
🖌 🍟 All Object Types	2.642	1.130	104	
Authorization Fields	9	1	1	
🔻 🧊 Classes	147	29	2	
Attributes of Object Type	0	0	0	
All Objects	147	29	2	
All Conflicting Objects	2	2	2	
All Objects in System A	147	0	2	
All Objects in System B	0	29	2	
🕨 🗱 Customer Enhancement Projects (CMOD)	3	0	0	
<ul> <li>B Package</li> </ul>	90	26	8	
🕨 🗎 Data Domain	117	43	7	
<ul> <li>Data Element</li> </ul>	342	95	9	
🕨 🗱 Enhancement Implementation	15	0	0	
🕨 🗱 Enhancement Spot	2	0	0	
🕨 🔒 Lock Object	16	2	1	
🕨 🏶 Function Group	104	38	6	
🕨 🗱 Function Module	237	287	5	
🕨 🚍 Interface	35	9	1	
<ul> <li>T Message Class</li> </ul>	11	4	0	
<ul> <li>Mumber range object</li> </ul>	8	2	1	
Parameter ID	7	1	0	
Program	997	292	23	
🕨 🖆 Search Help	17	3	1	

Opening up the 'Attributes of Object Type' folder provides you with further details, the top level showed a much higher number of classes in the D01 system, the number of attributes, lines of code and methods provides further details on this.

🗟 Analysis 🛛 🖌 Decision 🛛 🍀 Execution	O <sup>3</sup> Transfe	r		
🚱 🕼 Update 🔒 🗱 Workflow 🔒 🔊 Overview				
Custom Objects	Objs (D01)	Objs (D02)	Confs	
🔻 🍐 All Object Types	2.642	1.130	104	
🕨 📲 Authorization Fields	9	1	1	
<ul> <li>Classes</li> </ul>	147	29	2	
Attributes of Object Type	0	0	0	
<ul> <li>Number of class attributes</li> </ul>	515	141	0	
• ا Number of lines	37.612	5.760	0	
<ul> <li>Number of methods</li> </ul>	596	141	0	
All Objects	147	29	2	
All Conflicting Objects	2	2	2	
All Objects in System A	147	0	2	
All Objects in System B	0	29	2	

Opening up the 'All Objects' folders lists all of the objects of this type in both systems.

🗟 Analysis 🖌 🥜 Decision 🛛 🍀 Execution	o 🖓 Transfe	r		
🕑 🕼 Update 🔒 🗱 Workflow 🔒 👧 Overview				
Custom Objects	Obis (D01)	Objs (D02)	Confs	
<ul> <li></li></ul>	2.642	1.130	104	
Authorization Fields	9	1	1	
<ul> <li>Classes</li> </ul>	147	29	2	
Attributes of Object Type	0	0	0	
<ul> <li>All Objects</li> </ul>	147	29	2	
VBT_CL_BSP_TASK_TABLE_ITERAT	0	1	0	
VBT_CL_BSP_TE	0	1	0	
VBT_CL_INGEN_BSAK_DUMMY	1	0	0	
VCL_BT_APPL_LOG	1	1	0	
VCL_BT_CHANGE_REQUEST	1	1	0	
VCL_BT_PRODUCT	1	1	0	
YCL_BT_SELECTION	1	1	0	
VCL_BT_SELECTION_SCREEN	1	1	0	
VCL_BT_VERSION_INFO	1	1	0	
YCL_CTS_BADI_ON_RELEASE	0	1	0	
YCL_GUI_BASEOBJECT	1	1	0	
YCL_GUI_COLUMN	1	1	0	
VCL_GUI_CONTEXT_BASE	1	1	0	
VCL_GUI_CONTEXT_BASE2	1	0	0	
VCL_GUI_CONTEXT_BASE_RENAME	1	0	0	
VCL_GUI_GROUP	1	1	0	
YCL_GUI_GROUP_CONTROLLER	1	1	0	

Opening up the 'All Conflicting Objects' folders lists all of the objects in conflict across the two systems. Here you can see opening up the object and viewing the attributes can help show further details on the differences between the objects, in the example below there are only 59 lines of code which are different between the two classes and one additional method, which suggests this object should be looked at in more detail because it is perhaps a candidate for a merge not a rename.

🗟 Analysis 🧹 Decision 🗱 Execution 🖓 Transfer								
Derview								
Custom Objects	Objs (D01)	Objs (D02)	Confs					
<ul> <li>All Object Types</li> </ul>	2.642	1.130	104					
Authorization Fields	9	1	1					
<ul> <li>Classes</li> </ul>	147	29	2					
Attributes of Object Type	0	0	0					
All Objects	147	29	2					
<ul> <li>All Conflicting Objects</li> </ul>	2	2	2					
ZCL_MAIL_INBOUND_SYS_CHECK	1	1	1					
<ul> <li>Number of class attributes</li> </ul>	1	1	0					
•  Number of lines	203	144	0					
<ul> <li>Number of methods</li> </ul>	2	1	0					
CLAS_REF1	1	1	1					
All Objects in System A	147	0	2					
<ul> <li>All Objects in System B</li> </ul>	0	29	2					

Below if you right mouse click on the object name then options to view the program in each of the systems or launch a remote comparison are available. This will greatly assist in making the correct decisions for each object.

🗟 Analysis 🧹 Decision 🕅 🍀 Execution	o <sup>2</sup> → Transfer				
Update     Workflow     Morkflow					
Custom Objects	Objs (D01)	Objs (D02)	Confs		
🔻 🍟 All Object Types	2.642	1.130	104		
Authorization Fields	9	1	1		
<ul> <li>Classes</li> </ul>	147	29	2		
Attributes of Object Type	0	0	0		
All Objects	147	29	2		
<ul> <li>All Conflicting Objects</li> </ul>	2	2	2		
<ul> <li>CL_MAIL_INBOUND_SYS_CHECK</li> <li>Number of class attributes</li> </ul>	<u>D</u> isplay	<u>D</u> isplay	in D01		
• S Number of lines	203	<u>D</u> isplay	<u>D</u> isplay in D02		
<ul> <li>Number of methods</li> </ul>	2	<u>R</u> emot	e compa	rison	
CCN_CLAS_REF1	1	1	1		

Opening up the 'All Objects in System A' or 'All Objects in System B' folders lists all of the objects of this type in the chosen system

🗟 Analysis 🖌 🖉 Decision 👘 Execution 🖓 Transfer								
Derview	T							
Custom Objects	Objs (D01)	Objs (D02)	Confs					
All Objects in System A	147	0	2					
VBT_CL_INGEN_BSAK_DUMMY	1	0	0					
VCL_BT_APPL_LOG	1	1	0					
VCL_BT_CHANGE_REQUEST	1	1	0					
VCL_BT_PRODUCT	1	1	0					
VCL_BT_SELECTION	1	1	0					
VCL_BT_SELECTION_SCREEN	1	1	0					
VCL_BT_VERSION_INFO	1	1	0					
YCL_GUI_BASEOBJECT	1	1	0					
YCL_GUI_COLUMN	1	1	0					
VCL_GUI_CONTEXT_BASE	1	1	0					
VCL_GUI_CONTEXT_BASE2	1	0	0					
VCL_GUI_CONTEXT_BASE_RENAME	1	0	0					
YCL_GUI_GROUP	1	1	0					
VCL_GUI_GROUP_CONTROLLER	1	1	0					
VCL_GUI_MODULE	1	1	0					
VCL_GUI_OBJECT_GRID	1	1	0					
VCL_GUI_OBJECT_TREE	1	1	0					

To keep the phases in order once you close a phase it cannot be reopened

When you are certain you are ready to close the phase use the 🗾 option on the 'Workflow' button

🗱 Workflow 🔺

\*

and select close phase. Continue to the next phase <u>Decision Phase</u>.

## **Decision Phase**

The decision phase is key to the consolidation as this is where the user makes the choices that impact the changes that will occur to these objects, the phase is broken down into two section the operation of the run and then viewing the results.

- <u>Operation</u>
- <u>Results</u>

# Operation

The first task is to open the decision phase go to the 'Configuration' drawer and open the 'Plans' and then open the workflow tab.

CONT	EXT							
s I	Plan							
	ECC Consolidation							
Statu	is: Active							
🔊 Ove	erview							
🔁 Res	ults							
📲 Ope	eration							
	figuration							
Con	figuration	options						
	Description							
	<u>Steps</u>							
	<u>Groups</u>							
	Process chains Systems							
<u></u>								

In the workflow tab select the stage 'Custom Objects' phase 'Decision' and press the 'Open Phase button. The phase is now open for operations.

Plan name	ECC Consoli	datior	n			Stat	tus Activ
😂 Header 🖉 💲 Work	flow						
🔁 🔓 Open phase 🔒 Cl	ose phase						
Consolidation wo	orkflow						
Type Stage	Phase	St. S	Status	Opened by	Opened on	Closed by	Closed on
Customizing data	Analysis	٠					
Customizing data	Decision	٠					
Customizing data	Execution	٠					
Customizing data	Transfer	٠					
hard coded literals	Analysis	٠					
Hard coded literals	Decision	٠					
Hard coded literals	Execution	٠					
	Analysis	<u></u>	Closed	TENGLAND	28.02.2016	TENGLAND	28.02.2016
Custom objects		0	Jacob	TENGLAND	28.02.2016		
Custom objects Custom objects	Decision	L C	open	TENGERIND			
	Decision Execution	-	open				

With the decision phase now open go to the 'Operation' drawer and select the 'Custom Objects' phase and press the 'Execute' button.

Consolidation Cockpit													
consonaution cocupit													
CONTEXT		Execute C Schedule											
🔊 Plan		Process chain	Reference	Act.	Order System	Select	St. S	Status	St. date	St. time	End date	End time	Est. time
ECC Consolidation	✓	<ul> <li>S Custom objects decision</li> </ul>	004	1		<b>V</b>							
		<ul> <li>Custom objects usage information</li> </ul>	000000002	1	1	<							
Status : Active		<ul> <li>Create object linkage - System A</li> </ul>		1	1 CN1	1							
		<ul> <li>Create object inkage - System B</li> </ul>	000000007	1	2 CN2	$\checkmark$							
2 Overview			000000008	1	3 T03	$\checkmark$							
2 Results		<ul> <li>Retrieve objects reference count</li> </ul>		1	4 T03	<b>v</b>							
Operation		<ul> <li>Image: Image: Ima</li></ul>	000000006	1	2	1							
		<ul> <li>Custom objects mass decision</li> </ul>	000000026	/	1 T03	<							
Execute Run history Process chains													
	Op.												
Customizing analysis	•												
Customizing decision	٠												
Customizing execution	٥												
Customizing transfer	•												
Hard coded literals analysis	•												
Hard coded literals decision	۵												
Hard coded literals execution	•												
Custom objects analysis	<b>A</b>												
Custom objects decision	6												
Custom objects execution	•												
Custom objects transfer	•												

Selecting the execute button again will trigger the programs that are required to run for decision with their default settings, pressing the refresh button will show the progress of the analysis programs running.

Consolidation Cockpit												
CONTEXT	🕢 🖾 Abort 🖉 Log											
ලි Plan	Process chain	Reference	Act.	Order System	Select			St. date		End date	End time	Est. time
ECC Consolidation	<ul> <li>S Custom objects decision</li> </ul>	004	/		1		In progress	29.02.2016	10:37:29			
	<ul> <li>Custom objects usage information</li> </ul>	0000000002	1	1	<							
Status : Active	<ul> <li>Create object linkage - System A</li> </ul>		1	1 CN1	<			29.02.2016	10:37:29			
	<ul> <li>Create object linkage - System B</li> </ul>		1	2 CN2	$\checkmark$		Pending					
2 Overview		000000008	1	3 T03	<b>v</b>		Pending					
Results	Retrieve objects reference count		<u>_</u>	4 T03	<b>v</b>	P	Pending					
Geration	<ul> <li>E Custom objects decision</li> </ul>	000000006	<u>_</u>	2	<ul> <li>✓</li> <li>✓</li> </ul>	122	Para di sa					
Execute Run history	<ul> <li>Custom objects mass decision</li> </ul>	0000000026	-	1 T03	<b>V</b>	P	Pending					
Execute B Run History												
Process chains												
St. Chain name Op.												
Customizing analysis												
Customizing decision												
Customizing execution												
Customizing transfer												
Hard coded literals analysis												
Hard coded literals decision												
Hard coded literals execution												
Custom objects analysis												
Custom objects decision												
Custom objects execution												
Custom objects transfer												

To view past runs select the 'Custom Objects' and press the 'Run History' button, all runs will then be displayed. To view the full details of the run press the Runtime ID hotspot, in this case '00001'.

Consolidation Cockpit		
CONTEXT		
ළ Plan	Run history : Custom objects analysis	
ECC Consolidation	Runtime ID System A System B Created by St. Status Last step Start date Start time End date End time Job name Job no	
Status : Active	O0001         System DZZ (D01)         Test system (D02)         TENGLAND         Fnished         0000000005         13.02.2016         23:51:20         13.02.2016         23:55:07         CONSOLIDATOR         23504	70
2 Overview		
Results		
Set Operation		
Execute Run history		
Process chains		
St. Chain name Op.		
St. Chain name Op. Customizing analysis		
Customizing decision		
Customizing execution		
Customizing transfer		
Hard coded literals analysis		
Hard coded literals decision		
Hard coded literals execution		
Custom objects analysis		
Custom objects decision		
Custom objects execution Custom objects transfer		
Custom objects transfer		

The full run details are displayed as below:

Consolidation Cockpit											
CONTEXT	🗢 Back   🛃 😨 Abort 🚨 Log 🔯 Job overview										
ස් මේ Plan	Process chain	Reference	Act.	Order System	St	Status	St. date	St. time	End date	End time	Es.
ECC Consolidation	<ul> <li>S Custom objects analysis</li> </ul>	003	1			Finished	13.02.2	23:51:20	13.02.2	23:55:07	
	<ul> <li>Custom object comparison</li> </ul>	000000001	1	1							
Status : Active	<ul> <li>Dbject list generator - System A</li> </ul>	0000000001	/	1 D01					13.02.2		
	<ul> <li>Object list generator - System B</li> </ul>	0000000002		2 D02					13.02.2		
2 Overview	<ul> <li>Retrieve object list from remote system - System A</li> </ul>			3 D01					13.02.2		
Results	<ul> <li>Retrieve object list from remote system - System B</li> </ul>			4 D01					13.02.2		
Operation	Collect object conflict information	0000000005	/	5 D01		Finished	13.02.2	23:52:56	13.02.2	23:55:07	
Execute Stranger											
Process chains											
St. Chain name Op.											
Customizing analysis											
Customizing decision											
Customizing execution											
Customizing transfer											
Hard coded literals analysis											
Hard coded literals decision											
Hard coded literals execution											
🖊 Custom objects analysis 🛛 🔒											
Custom objects decision											
Custom objects execution											
Custom objects transfer											

## Results

The Decision phase of the Custom Objects stage is where the key choices are made on how to resolve each conflict, usage data can be used to assist in this decision.

Once the Decision programs have run it is time to view the results, go to the 'Results' drawer and select the 'Custom Objects' and then navigate to the 'Decision' tab.

The screen below shows the number of conflicts grouped by object type.

CONTEXT	🗟 Analysis 🛛 🎸 Decision	Stecution 🕄	• Transfer								
නි Plan		1.500.00									
ECC Consolidation	Decision	<ul> <li>Mass decision</li> </ul>	- Workflow	v 🖌 🔊 0	verview 🔒						
	Conflicting Objects	Status	D Confs Fre	eq (CN1)	Users (CN1)	Freq (CN2)	Users (CN2)	Refs (CN1)	Refs (CN2)	Obj. Name	
Status : Active	<ul> <li>All Object Types</li> </ul>	△ Dec. pending	241	0	0	0	C	0	0		
Overview	Authorization Fields	Completed	1	0	0	0	C	0	0		
	<ul> <li>Classes</li> </ul>	Completed	112	0	0	0	0	0	0		
Results	• Statement Customer Enhancement		0	0	0	0	0	0	0		
esult Areas	B Package	Completed	3	0	0	0	C	0	0		
	Data Domain	No decision	6	0	0	0	0	0	0		
pe Consolidation stage	<ul> <li>Data Element</li> </ul>	△ No decision	16	0	0	0	C	0	0		
Plan consistency checks	Enhancement Implement	n 🛆 No decision	9	0	0	0	C	0	0		
Workflow	Enhancement Spot	No conflict	0	0	0	0	0	0	0		
Customizing Data	<ul> <li>Lock Object</li> </ul>	A No decision	3	0	0	0	C	0	0		
Hard-coded Literals	Function Group	Completed	8	0	0	0	C	0	0		
Custom Objects	Function Module	A No decision	13	0	0	0	0	0	0		
	<ul> <li>Interface</li> </ul>	A No decision	10	0	0	0	C	0	0		
	Message Class	A No decision	2	0	0	0	c	0	0		
	Number range object	A No decision	1	0	0	0	0	0	0		
	Parameter ID	No conflict	0	0	0	0	C	0	0		
	Program	A No decision	7	0	0	0	c	0	0		
	E <sup>M</sup> Search Help	△ No decision	4	0	0	0	0	0	0		
	SAP Modification Implementation	n 🔲 No conflict	0	0	0	0	C	0	0		
	SAP SmartForms	No conflict	0	0	0	0	C	0	0		
	Authorization Objects	A No decision	3	0	0	0	0	0	0		
Operation	BAdI Implementation	No conflict	0	0	0	0	C	0	0		
Configuration		-									

The buttons on this screen operate by clicking the right hand down arrow  $\square$  details on what each button does are as below.

The 'Update' button Update allows the user to run the programs for this phase individually, however, it is recommended the user does not use this and completes this through the operation drawer as this adds greater clarity.

The 'Decision' button **Decision** allows the user to make the decisions, options are as below:

- Rename in (source system)
- Rename in (target system)

- Ignore conflict
- · Remediate manually
- · Decision proposal
- Cancel decision

The 'Mass Decision' button allows the user to run the programs for this phase, however, it is recommended the user does not use this and completes this through the operation drawer as this adds greater clarity.

The 'Workflow' button Workflow allows the user to open and close this phase.

The 'Overview' button allows the user to view the reports for this phase, see the <u>Reporting</u> section for more details.

On the custom objects screen below, opening up an Object Type provides further folders where you can view more information about the objects in each object type.

🗟 Analysis 🛛 🥜 Decision 🖉 🗱 Execution	O <sup>3</sup> → Transfe	r		
🔁 🕼 Update 🔒 🗱 Workflow 🗐 👧 Overview				
			-	
Custom Objects		Objs (D02)		
<ul> <li>All Object Types</li> </ul>	2.642	1.130	104	
Authorization Fields	9	1	1	
<ul> <li>Classes</li> </ul>	147	29	2	
<ul> <li>Attributes of Object Type</li> </ul>	0	0	0	
All Objects	147	29	2	
All Conflicting Objects	2	2	2	
All Objects in System A	147	0	2	
All Objects in System B	0	29	2	
🕨 🗱 Customer Enhancement Projects (CMOD)	3	0	0	
Package	90	26	8	
🕨 🗎 Data Domain	117	43	7	
<ul> <li>Data Element</li> </ul>	342	95	9	
🕨 🗱 Enhancement Implementation	15	0	0	
🕨 🏶 Enhancement Spot	2	0	0	
🕨 🔒 Lock Object	16	2	1	
🕨 🗱 Function Group	104	38	6	
🕨 🗱 Function Module	237	287	5	
🕨 😑 Interface	35	9	1	
🕨 🜄 Message Class	11	4	0	
<ul> <li>Iza Number range object</li> </ul>	8	2	1	
Parameter ID	7	1	0	
🕨 🔁 Program	997	292	23	
・ 山 Search Help	17	3	1	

Opening up the 'Attributes of Object Type' folder provides you with further details, the top level showed a much higher number of classes in the D01 system, the number of attributes, lines of code and methods provides further details on this.

🗟 Analysis 🛛 🥜 Decision 🛛 🍀 Execution	O. Transfe	r									
Dydate Dydate Workflow Cverview											
Custom Objects	Objs (D01)	Objs (D02)	Confs								
<ul> <li>All Object Types</li> </ul>	2.642	1.130	104								
Authorization Fields	9	1	1								
▼ ( Classes	147	29	2								
<ul> <li>Attributes of Object Type</li> </ul>	0	0	0								
<ul> <li>Number of class attributes</li> </ul>	515	141	0								
<ul> <li>Number of lines</li> </ul>	37.612	5.760	0								
<ul> <li>Number of methods</li> </ul>	596	141	0								
All Objects	147	29	2								
All Conflicting Objects	2	2	2								
All Objects in System A	147	0	2								
<ul> <li>All Objects in System B</li> </ul>	0	29	2								

Opening up the 'All Objects' folders lists all of the objects of this type in both systems.

🗟 Analysis 🖌 🖉 Decision 🛛 🍀 Execution	o <sup>2</sup> → Transfe	r	
🚱 🚱 Update 💴 🗱 Workflow 🗾 🔊 Overview			
Custom Objects	Objs (D01)	Objs (D02)	Confs
🔻 🍟 All Object Types	2.642		104
Authorization Fields	9	1	1
<ul> <li>Classes</li> </ul>	147	29	2
Attributes of Object Type	0	0	0
<ul> <li>All Objects</li> </ul>	147	29	2
VBT_CL_BSP_TASK_TABLE_ITERA	0	1	0
VBT_CL_BSP_TE	0	1	0
VBT_CL_INGEN_BSAK_DUMMY	1	0	0
VCL_BT_APPL_LOG	1	1	0
VCL_BT_CHANGE_REQUEST	1	1	0
VCL_BT_PRODUCT	1	1	0
VCL_BT_SELECTION	1	1	0
VCL_BT_SELECTION_SCREEN	1	1	0
VCL_BT_VERSION_INFO	1	1	0
VCL_CTS_BADI_ON_RELEASE	0	1	0
VCL_GUI_BASEOBJECT	1	1	0
YCL_GUI_COLUMN	1	1	0
VCL_GUI_CONTEXT_BASE	1	1	0
VCL_GUI_CONTEXT_BASE2	1	0	0
VCL_GUI_CONTEXT_BASE_RENAME	. 1	0	0
YCL_GUI_GROUP	1	1	0
YCL_GUI_GROUP_CONTROLLER	1	1	0

Opening up the 'All Conflicting Objects' folders lists all of the objects in conflict across the two systems. Here you can see opening up the object and viewing the attributes can help show further details on the differences between the objects, in the example below there are only 59 lines of code which are different between the two classes and one additional method, which suggests this object should be looked at in more detail because it is perhaps a candidate for a merge not a rename.

🗟 Analysis 🧳 Decision 🗱 Execution	O <sup>A</sup> Transfe	r		
🚱 🕼 Update 🔒 🗱 Workflow 👍 👧 Overview	4			
Custom Objects	Objs (D01)	Objs (D02)	Confs	
🔻 🍟 All Object Types	2.642	1.130	104	
🕨 🚽 Authorization Fields	9	1	1	
<ul> <li>Classes</li> </ul>	147	29	2	
Attributes of Object Type	0	0	0	
All Objects	147	29	2	
<ul> <li>All Conflicting Objects</li> </ul>	2	2	2	
ZCL_MAIL_INBOUND_SYS_CHECK	1	1	1	
<ul> <li>Number of class attributes</li> </ul>	1	1	0	
• ا Number of lines	203	144	0	
<ul> <li>Number of methods</li> </ul>	2	1	0	
CCN_CLAS_REF1	1	1	1	
All Objects in System A	147	0	2	
All Objects in System B	0	29	2	

Below if you right mouse click on the object name then options to view the program in each of the systems or launch a remote comparison are available. This will greatly assist in making the correct decisions for each object.

🗟 Analysis 🧹 Decision 🛛 🍀 Execution	o ∰ Transfe	r		
🔁 🕼 Update 🔺 🗱 Workflow 🔺 👧 Overview	4			
Custom Objects	Objs (D01)	Objs (D02)	Confs	
<ul> <li>All Object Types</li> </ul>	2.642	1.130	104	
Authorization Fields	9	1	1	
<ul> <li>Classes</li> </ul>	147	29	2	
Attributes of Object Type	0	0	0	
<ul> <li>All Objects</li> </ul>	147	29	2	
<ul> <li>All Conflicting Objects</li> </ul>	2	2	2	
<ul> <li>ZCL_MAIL_INBOUND_SYS_CHECK</li> <li>Number of class attributes</li> </ul>	<u>D</u> isplay	Display	/ in D01	
• 🔊 Number of lines	203	<u>D</u> isplay	/ in D02	
<ul> <li>Number of methods</li> </ul>	2	<u>R</u> emot	te compa	rison
CCN_CLAS_REF1	1	1	1	

Opening up the 'All Objects in System A' or 'All Objects in System B' folders lists all of the objects of this type in the chosen system

🗟 Analysis 🛛 🞸 Decision 🛛 🍀 Execution	● Transfe	r		
Direction Direction Direction Direction				
Custom Objects	Objs (D01)	Objs (D02)	Confs	
All Objects in System A	147	0	2	
VBT_CL_INGEN_BSAK_DUMMY	1	0	0	
YCL_BT_APPL_LOG	1	1	0	
VCL_BT_CHANGE_REQUEST	1	1	0	
VCL_BT_PRODUCT	1	1	0	
VCL_BT_SELECTION	1	1	0	
VCL_BT_SELECTION_SCREEN	1	1	0	
VCL_BT_VERSION_INFO	1	1	0	
VCL_GUI_BASEOBJECT	1	1	0	
YCL_GUI_COLUMN	1	1	0	
VCL_GUI_CONTEXT_BASE	1	1	0	
VCL_GUI_CONTEXT_BASE2	1	0	0	
VCL_GUI_CONTEXT_BASE_RENAME	1	0	0	
YCL_GUI_GROUP	1	1	0	
VCL_GUI_GROUP_CONTROLLER	1	1	0	
VCL_GUI_MODULE	1	1	0	
VCL_GUI_OBJECT_GRID	1	1	0	
VCL_GUI_OBJECT_TREE	1	1	0	

There are a number of options when using the right mouse click on objects.

Firstly 'Display' lets you simply display the objects in the respective systems and more usefully perform a remote comparison of the objects.

<ul> <li>CL_MAIL_INBOUND_SYS_CHECK</li> <li>CCN CLAS REF1</li> </ul>	No decision	<u>D</u> isplay	•	<u>D</u> isplay in D01	
Customer Enhancement Projects (CMOD)	No conflict	<u>E</u> xplore	►	<u>D</u> isplay in D02	
<ul> <li>B Package</li> </ul>	$\triangle$ No decisior	<u>D</u> ecide	•	<u>Remote</u> comparison	
🕨 🗎 Data Domain	A No decision		7	0	0

Secondly 'Explore' this allows you to explore the relationship between objects in their respective systems.

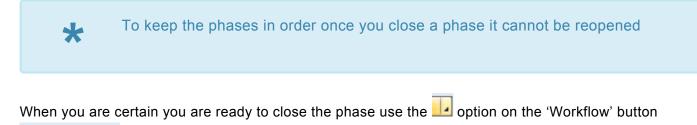
<ul> <li>Data Element</li> </ul>	🛆 No decision		9	0	0	0
YBT_BASE_VERSION_TEXT	No decision	Display		0	0	0
ZBTICUSTID	🔘 No decision					0
ZCN_BASIC_DTEL	🔘 No decision	<u>E</u> xplore	•	Explore Relations	ships (D01)	0
ZCN_DTEL_005	🖲 No decision	<u>D</u> ecide	•	Explore Relations	ships (D02)	0
ZDATAELEMENT	🔘 No decision		1	0	0	0
ZTIA_DATAELEMENT_3	🔘 No decision		1	0	0	0
ZTIA_DATAELEMENT_7	🔘 No decision		1	0	0	0
ZWF_OT_TEST	🔘 No decision		1	0	0	0
Z_AMINE_TEST	🖲 No decision		1	0	0	0

Below the screen shows the parent and child relationships that this data element has.

Display object relationships
DTEL / YBT_BASE_VERSION_TEXT
Object ID     Type     Object     Object name     Object       0000105494     DTEL & D
Parent Objects (2)
Type     Object     Object name     Object       STRU & Unknown     YSF BASE VERSION     STRU
Child Objects (2)
Type     Object     Object name     Object       DOMA & Tomain     YBT BASE VERSION TEXT     Marcology       DOMD & Tomain Definition     YBT BASE VERSION TEXT

Thirdly 'Decision'

<ul> <li>Data Element</li> </ul>	△ No decision	9	0 0	
YBT_BASE_VERSION_TEXT	No decision		0 0	
ZBTICUSTID	Service No decision		0 0	
ZCN_BASIC_DTEL	No decisior Explore		0 0	_
ZCN_DTEL_005	No decisior Decide	•	<u>R</u> ename in D01	- 1
ZDATAELEMENT	🔘 No decision	1	Rename in D02	
ZTIA_DATAELEMENT_3	🔘 No decision	1	Ignore conflict	
ZTIA_DATAELEMENT_7	🔘 No decision	1		- 1
ZWF_OT_TEST	🔘 No decision	1	<u>R</u> emediate manually	- 1
Z_AMINE_TEST	🔘 No decision	1	Decision proposal	
Enhancement Implementation	No conflict	(	Cancel decision	
🕨 🗱 Enhancement Spot	No conflict	6-	UU	_



Workflow and select close phase. Continue to the next phase "Execution Phase"

#### **Execution Phase**

The execution phase is where all the renaming of objects that can be completed automatically is done and the user can review these results and check any failures found.

- Operation
- Result

# Operation

The first task is to open the execution phase go to the 'Configuration' drawer and open the 'Plans' and then open the workflow tab.

Plan ECC Consolidation Status : Active Status : Active Results Operation Configuration
ECC Consolidation   Status : Active     Status : Active     Overview   Results   Operation   Configuration
Results           Operation           Configuration
Electron Configuration
Configuration
Configuration
Configuration options
Type Description
Steps
Groups
Process chains       Systems
Systems Plans

In the workflow tab select the stage 'Custom Objects' phase 'Execution' and press the 'Open Phase button. The phase is now open for operations.

31-	🔓 Open phase 🔒 Ck	se phase							
	solidation wo								
уре	Stage	Phase	St.	Status	Opened by	Opened on	Closed by	Closed on	
	Customizing data	Analysis		Closed	TENGLAND	28.02.2016	TENGLAND	16.03.2016	
	Customizing data			Closed	TENGLAND	16.03.2016	TENGLAND	16.03.2016	
	Customizing data		٠						
	Customizing data		٠						
Đ.	Hard coded literals	-		Closed	TENGLAND	16.03.2016	TENGLAND	16.03.2016	
Đ.	Hard coded literals			Closed	TENGLAND	16.03.2016	TENGLAND	16.03.2016	
Đ.	Hard coded literals			Closed	TENGLAND	16.03.2016	TENGLAND	16.03.2016	
<b>.</b>	Custom objects	Analysis		Closed	TENGLAND	28.02.2016	TENGLAND	16.03.2016	
	Custom objects	Decision		Closed	TENGLAND	16.03.2016	TENGLAND	16.03.2016	
<b>.</b>	Custom objects		ſ	Open	TENGLAND	16.03.2016			
<b>.</b>	Custom objects	Transfer	٥						

With the execution phase now open go to the 'Operation' drawer and select the 'Custom Objects' phase and press the 'Execute' button.

Selecting the execute button again will trigger the programs that are required to run for execution with their default settings, pressing the refresh button will show the progress of the analysis programs running.

Consolidation Cockpit													
CONTEXT		🕗 🖾 Abort 💶 Log 🛛 🖾 Job overview	-										
S Plan ECC Consolidation Status : Active	✓	Process chain	Reference 005 0000000021	1	 System D01	Select V	Finished	16.03.2	12:47:24	End date 16.03.2 16.03.2	Est. time	Estim. %	Nb jobs
		5											
Overview													
Results													
Operation		J											
Execute Run history													
Process chains													
St. Chain name Op.													
t. Chain name     Op.       Customizing analysis Customizing decision													
Customizing execution													
Customizing transfer													
📕 Hard coded literals analysis 🛛 🔒													
Hard coded literals analysis         A           Hard coded literals decision         A													
Hard coded literals execution													
Custom objects analysis													
Custom objects analysis     Custom objects decision     Custom objects execution													
Custom objects execution  Custom objects transfer													

To view past runs select the 'Custom Objects' and press the 'Run History' button, all runs will then be displayed. To view the full details of the run press the Runtime ID hotspot, in this case '00001'.

Consolidation Cockpit	
CONTEXT	
S Plan ECC Consolidation	Run history : Custom objects execution
ECC Consolidation	Runtime ID System A System 8 Created by St. Status Last step Start date Start time End date Ind time Job name Job na.           Double         Status         Last step         Start date         Start time         End date         End time         Job name         Job na
Coverview	ſ
Results	
열i Operation	
Execute Run history	
Process chains	
St. Chain name Op. Customizing analysis Customizing decision	
Customizing decision	
Customizing execution	
Customizing transfer	
Hard coded literals analysis     Hard coded literals decision	
Hard coded literals execution	
Custom objects analysis	
Hard coded literals execution     Custom objects decision     Custom objects decision     Custom objects execution	
Custom objects execution	

The full run details are displayed as below, when the jobs have a status of finished when complete, it is ready to progress to the results screen.

Consolidation Cockpit												
CONTEXT	🗇 Back 🛛 🕢 🖾 Abort 🖾 Log 🚳 Jo	b overview										
😴 Plan	Process chain	Reference	Act.	Order	System				End time	Est. time	Estim. %	Nb jobs
ECC Consolidation	<ul> <li>S Custom objects execution</li> <li>Custom objects mass execution</li> </ul>	005 000000021	*	1	D01			16.03.2				
Status : Active												
Overview	Ĩ											
Results												
Section												
Execute Run history												
Process chains												
St. Chain name Op.												
St. Chain name Op. Customizing analysis Customizing decision												
Customizing execution												
Customizing transfer												
Hard coded literals analysis     Arrow Hard coded literals decision												
Hard coded literals execution												
Custom objects analysis Custom objects decision												
Custom objects analysis Custom objects decision Custom objects execution												
Custom objects transfer												

## Result

The Execution phase of the Custom Objects stage is where the renaming of objects occurs in the systems selected.

Once the Decision programs have run it is time to view the results, go to the 'Results' drawer and select the 'Custom Objects' and then navigate to the 'Execution' tab.

The screen below shows the number of objects grouped by decisions.

Consolidation Cockpit						
CONTEXT	_	Charles Constraints	Marine Volta			
s Plan	-	Anal Decision	ecution		, Second Contractions of the second s	
Consolidation of CN1 into CN2 (Phase 6)	~	Conflicting Objects	Status	Confs	Decisions Decision	Executed Obj. Name
		- 📥 All Object Types	Completed	103	103	103
Overview		All Decision Types	Completed	103	103	103
Results		Rename in System CN1	Completed	0	0	0
Result Areas		Rename in System CN2	Completed	15	15	15
Type Consolidation stage		+ 🦲 Ignore	No execution	0	0	0
Plan consistency checks		Manually rename	Completed	88	88	88
Workflow		No decision made	No decision	0	0	0
Customizing Data						
Hard-coded Literals						
Lat Custom Objects						

The buttons on this screen operate by clicking the right hand down arrow details on what each button does are as below.

The 'Execution' button **Execute** allows the user to run the programs for this phase individually, however, it is recommended the user does not use this and completes this through the operation drawer as this adds greater clarity.

The 'Mass Execution' button Mass execution allows the user to run the programs for this phase, however, it is recommended the user does not use this and completes this through the operation drawer as this adds greater clarity.

The 'Workflow' button Workflow allows the user to open and close this phase.

The 'Overview' button 2000 allows the user to view the reports for this phase, see the Reporting section for more details.

On the custom objects screen below, opening up 'Rename in System CN2' details of the objects renamed including the old name and new name, there are also a number of options for the status after everything is executed any failures should be investigated.

🗟 Anal 🧹 Decision	🔅 Executi 🗿	Transfer		
Execute Amass execute	ecution 🔒 🛱 🏷	🖌 🔊 Overview		
Conflicting Objects	Status	Confs	Decisions Decision	Executed Obj. Name
<ul> <li>All Object Types</li> </ul>	Completed	103	103	103
All Decision Types	Completed	103	103	103
• 🚞 Rename in System CN1	Completed	0	0	0
* 🛅 Rename in System CN2	Completed	15	15	15
• 🗱 ZZ_FM_6	Completed	1	1 Rename CN2	1 ZZ_FM_6A
۰ 達 ZZ_CLASS_6	Completed	1	1 Rename CN2	1 ZZ_CLASS_6A
• 🖹 ZZ_DOMA_6	Completed	1	1 Rename CN2	1 ZZ_DOMA_6A
ZZ_DTEL_6	Completed	1	1 Rename CN2	1 ZZ_DTEL_6A
EZZ_LOCK_6	Completed	1	1 Rename CN2	1 EZZ_LOCK_6A
• 🗱 ZZ_FG_6	Completed	1	1 Rename CN2	1 ZZ_FG_6A
• 🔁 ZZ_INT_6	Completed	1	1 Rename CN2	1 ZZ_INT_6A
→  7 ZZ_MSG_6	Completed	1	1 Rename CN2	1 ZZ_MSG_6A
• 🔚 ZZ_PROG_6	Completed	1	1 Rename CN2	1 ZZ_PROG_6A
	Completed	1	1 Rename CN2	1 ZZ_SCH_6A
ZZSTRU_6	Completed	1	1 Rename CN2	1 ZZSTRU_6A
ZZTABLE6	Completed	1	1 Rename CN2	1 ZZTABLE6A
✓ ZZ_TT_6	Completed	1	1 Rename CN2	1 ZZ_TT_6A
∙ 💣 ZZPH6	Completed	1	1 Rename CN2	1 ZZPHA
• 🛅 ZZ_VW6	Completed	1	1 Rename CN2	1 ZZ_VW6A
• 🛄 Ignore	No execution	0	0	0

There are a number of options when using the right mouse click on objects.

Firstly 'Display' lets you simply display the objects in the respective systems and perform remote comparisons.

Rename in Sy	vstem CN2 📃	Completed	15	15		15
ZZ_FM_6		Completed	1	1 Rename	CN2	1 ZZ_FM_6A
CLAS V CLAS	<u>D</u> isplay	•	Display in CN1		CN2	1 ZZ_CLASS_6A
▼	Syntax check	•	Display in CN2		CN2	1 ZZ_DOMA_6A
ZZ_DTEI	-,				CN2	1 ZZ_DTEL_6A
EZZ_LO(	<u>E</u> xplore	•	Remote comparison	<u> </u>	CN2	1 EZZ_LOCK_6A
• 🗱 ZZ_FG_6	<u>E</u> xecute	۰d	1	1 Rename	CN2	1 ZZ_FG_6A
• ( <b>5</b> ZZ_INT_6		Completed	1	1 Rename	CN2	1 ZZ_INT_6A
TZ_MSG_6		Completed	1	1 Rename	CN2	1 ZZ_MSG_6A
Tel: No. 10 Processing Contract National Network Processing Contract National Natio	6	Completed	1	1 Rename	CN2	1 ZZ_PROG_6A
→ <sup>™</sup> ZZ_SCH_6		Completed	1	1 Rename	e CN2	1 ZZ_SCH_6A

Secondly running a syntax check in the respective systems.

* 📂 Rename in Syst	em CN2	Completed	15	15	15
ZZ_FM_6	(	Completed	1	1 Rename CN2	1 ZZ_FM_6A
• 🤠 ZZ_CLAS 🛛 🖸	<u>)</u> isplay	► d	1	1 Rename CN2	1 ZZ_CLASS_6A
	yntax che	ck 🔸	Check in CN1	lename CN2	1 ZZ_DOMA_6A
ZZ_DTEI		•	Check in CN2	lename CN2	1 ZZ_DTEL_6A
EZZ_LOC	xplore	· ·		ename CN2	1 EZZ_LOCK_6A
→	xecute	► d	1	1 Rename CN2	1 ZZ_FG_6A
• 🔁 ZZ_INT_6	l	Completed	1	1 Rename CN2	1 ZZ_INT_6A
TZ_MSG_6	1	Completed	1	1 Rename CN2	1 ZZ_MSG_6A
TE ZZ_PROG_6	1	Completed	1	1 Rename CN2	1 ZZ_PROG_6A
→ <sup>M</sup> ZZ_SCH_6	1	Completed	1	1 Rename CN2	1 ZZ_SCH_6A
ZZSTRU_6	1	Completed	1	1 Rename CN2	1 ZZSTRU_6A
ZZTABLE6	1	Completed	1	1 Rename CN2	1 ZZTABLE6A
ZZ_TT_6	1	Completed	1	1 Rename CN2	1 ZZ_TT_6A
🕨 🌍 ZZPH6	1	Completed	1	1 Rename CN2	1 ZZPHA

Thirdly 'Explore' this allows you to explore the relationship between objects in their respective systems.

• 🛅 Rename in System CN2	Completed	15 1	5	15
ZZ_FM_6	Completed	1	1 Rename CN2	1 ZZ_FM_6A
<ul> <li></li></ul>	▶ d	1	1 Rename CN2	1 ZZ_CLASS_6A
✓	eck , d	1	1 Rename CN2	1 ZZ_DOMA_6A
ZZ DTEI		Evelone Deletionebine		1 ZZ_DTEL_6A
EZZ_LOC	•	Explore Relationships	(CNI)	1 EZZ_LOCK_6A
ZZ_FG_E Execute	•	Explore Relationships	s (CN2)	1 ZZ_FG_6A
• ( <b>5</b> ) ZZ_INT_6	Completed	1	1 Rename CN2	1 ZZ_INT_6A
	Completed	1	1 Rename CN2	1 ZZ_MSG_6A
TE ZZ_PROG_6	Completed	1	1 Rename CN2	1 ZZ_PROG_6A
→ <sup>™</sup> ZZ_SCH_6	Completed	1	1 Rename CN2	1 ZZ_SCH_6A
ZZSTRU_6	Completed	1	1 Rename CN2	1 ZZSTRU_6A
<ul> <li>ZZTABLE6</li> </ul>	Completed	1	1 Rename CN2	1 ZZTABLE6A
ZZ_TT_6	Completed	1	1 Rename CN2	1 ZZ_TT_6A
• 🎒 ZZPH6	Completed	1	1 Rename CN2	1 ZZPHA

Below the screen shows the parent and child relationships that this data element has.

Display object relationships
DTEL / YBT_BASE_VERSION_TEXT
Object ID     Type     Object     Object name     Object       0000105494     DTEL & Type     Object Name     Object
Parent Objects (2)
Type     Object     Object name     Object       STRU     &     YSF     BASE     VERSION       STRU     &     VINNOWN     YST     BASE     VERSION
Child Objects (2)
Type Object Object name Object
DOMA         VBT BASE VERSION TEXT           DOMD         Version           YBT BASE VERSION TEXT

Finally 'Execute' has the option to execute the decision to one individual object, view the execution log to check the changes, check the consistency of the object, change the status of the object (options below) or undo a execution.

Status Options

- In Progress Execution is taking place
- Executed Status is updated to 'Complete'
- Failed Change the status to 'Error'
- Undone Changes the status to 'Undone'
- · Reset to Original Changes the status to 'Execution Pending'

Rename in Sys	tem CN2 📃	Completed	i 15	15		15
ZZ_FM_6		Completed	i 1	1 Renam	e CN2	1 ZZ_FM_6A
ک 达 ZZ_CLA	<u>D</u> isplay	+ c	i 1	1 Renam	e CN2	1 ZZ_CLASS_6A
▼	Syntax check	, •	i 1	1 Renam	e CN2	1 ZZ_DOMA_6A
ZZ DTEI		c	i 1	1 Renam	e CN2	1 ZZ_DTEL_6A
EZZ_LOC	<u>E</u> xplore	• •	1 1	1 Renam	e CN2	1 EZZ_LOCK_6A
• 🗱 ZZ_FG_€	<u>E</u> xecute	•	Execute decision		e CN2	1 ZZ_FG_6A
• 🔁 ZZ_INT_6		Complete	View execution log	, )	e CN2	1 ZZ_INT_6A
TZ_MSG_6		Complete	_ Check consistency		e CN2	1 ZZ_MSG_6A
TE ZZ_PROG_6	5 📃	Complete	Check consistency		e CN2	1 77 PROG_6A
• <sup>™</sup> ZZ_SCH_6		Complet	<u>S</u> et Status	•	In progress	CH_6A
ZZSTRU_6		Complete	Undo execution		Executed	RU_6A
<ul> <li>ZZTABLE6</li> </ul>		Completer	1 1	1 Kenar	Failed	BLE6A
• ZZ_TT_6		Completed	i 1	1 Renar	-	Г_6А
• 🎒 ZZPH6		Completed	i 1	1 Renar	<u>U</u> ndone	٩
• 🔁 ZZ_VW6		Completed	i 1	1 Renar	<u>R</u> eset to initial	N6A
Lanora		No evecut	ion 0	0		

\*

To keep the phases in order once you close a phase it cannot be reopened

When you are certain you are ready to close the phase use the 🗾 option on the 'Workflow' button

Workflow and select close phase. Continue to the next phase Transfer Phase

#### **Transfer Phase**

# Operation

The first task is to open the transfer phase go to the 'Configuration' drawer and open the 'Plans' and then open the workflow tab.

CONTEX	кт	
द्ध Pla	n	
	nsolidation	✓
Status :	Active	
🔊 Overv	iew	
🔁 Result	s	
📲 Opera	tion	
Config		
Config	guration	options
Type Des		
	eps	
⊡≣ <u>Gro</u>		
	ocess chains	
System Sy		
	<u>115</u>	1

In the workflow tab select the stage 'Custom Objects' phase 'Transfer' and press the 'Open Phase button. The phase is now open for operations.

ader							
Plan name	EC	СС	consolida	tion			
BHea ₿ Workfl							
🔁 🗗 Open phase 🔒 Clo	ose phase						
Consolidation wo	orkflow						
Type Stage	Phase	St.	Status	Opened by	Opened on	Closed by	Closed on
Customizing data	Analysis	Α	Closed	TENGLAND	01.03.2016	TENGLAND	01.03.2016
Customizing data	Decision	-	Closed	TENGLAND	01.03.2016	TENGLAND	01.03.2016
Customizing data	Execution	٥					
Customizing data	Transfer	٥					
Hard coded literals	-	e	Closed	TENGLAND	01.03.2016	TENGLAND	01.03.2016
Hard coded literals		e	)	TENGLAND		TENGLAND	01.03.2016
Hard coded literals		Ê	,	TENGLAND			01.03.2016
Custom objects	Analysis		,	TENGLAND			28.02.2016
Custom objects	Decision		1	TENGLAND			01.03.2016
🏣 Custom objects	Execution Transfer	_		TENGLAND		TENGLAND	01.03.2016
Custom objects				TENIOL AND	01.03.2016		

With the transfer phase now open go to the 'Operation' drawer and select the 'Custom Objects Transfer' phase and press the 'Execute' button.

CONTEXT	^	Schedule									
s Plan	_	Process chain	Reference	Act.	Order System	Select	St.	Status	St. date	St. time	End
ECC Consolidation		<ul> <li>E Custom objects transfer</li> </ul>	006	1		<ul><li>✓</li></ul>					
		<ul> <li>■ Custom objects transfer</li> </ul>	000000005	1	1	$\checkmark$					
		<ul> <li>Build custom objects transfer list</li> </ul>	000000023	ð.	1 T03	$\checkmark$					
Overview		<ul> <li>Custom objects transfer - transport</li> </ul>	000000028	ð	2 T03	$\checkmark$					
Results		<ul> <li>E Custom objects mass activation</li> </ul>	000000025	ð	3 T03	$\checkmark$					
Execute Run history											
Process chains											
St. Chain name Op.											
Customizing analysis											
Customizing execution											
Customizing transfer											
Hard coded literals analysis											
Hard coded literals decision											
Hard coded literals execution											
Custom objects analysis											
Custom objects decision											
Custom objects execution											

Selecting the execute button again will trigger the programs that are required to run for the transfer with their default settings, pressing the refresh button will show the progress of the analysis programs running. When the jobs have a status of finished when complete, it is ready to progress to the <u>results</u> screen.

Consolidation Cockpit												
CONTEXT	^	Abort Cog Job overview										
Dian	- 1	Process chain	Reference	Act.	Order System	Select	St	Status	St. date	St. time	End date	End time
se Plan		<ul> <li>Sustom objects transfer</li> </ul>	006	1		1		Finished	25.05.2016	19:05:14	25.05.2016	19:08:08
ECC Consolidation		<ul> <li></li></ul>	000000005	1	1	1						
		<ul> <li>Build custom objects transfer list</li> </ul>	000000023	ð	1 T03	1		Finished	25.05.2016	19:05:14	25.05.2016	19:05:19
2 Overview		<ul> <li>E Custom objects transfer - transport</li> </ul>	000000028	1	2 T03	1		Finished	25.05.2016	19:05:19	25.05.2016	19:05:25
Results		<ul> <li>E Custom objects mass activation</li> </ul>	000000025	ð.	3 T03	1		Finished	25.05.2016	19:05:25	25.05.2016	19:08:08
Operation												
Execute Run history												
Process chains												
St. Chain name Op.												
Customizing analysis												
Customizing decision												
Customizing execution												
Customizing transfer												
Hard coded literals analysis												
Aard coded literals decision												
Hard coded literals execution Custom objects analysis												
Custom objects analysis Custom objects decision Custom objects execution												
Custom objects execution												
Custom objects transfer												

To view past runs select the 'Custom Objects' and press the 'Run History' button, all runs will then be displayed. To view the full details of the run press the Runtime ID hotspot, in this case '00001'.

CONTEXT	
CONTEXT	
🖻 Plan	Run history : Custom objects transfer
ECC Consolidation	Runtime ID System A System B Created by St. Status Last step Start date Start time End date End time Job Job no.
	Y 00001 (CN1) (CN2) TENGLAND Finished 000000025 25.05.2016 19:05:14 25.05.2016 19:08:08
Overview     Results     Besetion     Execute     Coreation     Execute	
Process chains	
St. Chain name Op.	
Customizing analysis       Image: Customizing decision         Customizing decision       Image: Customizing transfer         Customizing transfer       Image: Customizing transfer         Hard coded literals analysis       Image: Custom objects analysis         Hard coded literals decision       Image: Custom objects analysis         Custom objects transfer       Image: Custom objects transfer	

## Result

The Transfer phase of the Custom Objects stage is where the transport of changes to the target system occurs.

Once the Transfer programs have run it is time to view the results, go to the 'Results' drawer and select the 'Custom Objects' and then navigate to the 'Transfer' tab.

The screen below shows the Custom Objects grouped by object type with the numbers of objects in each type, the percentage that have been transferred and any errors.

CONTEXT	Ranal 🕜 Decision 🕅 😫 Execution 🔗	Trans				
🕫 Plan	Transfer , 🗱 Workflow , 🔊 Overvie	w .				
ECC Consolidation	Transfer from CN1 to CN2	Status	Trf Cnt	Trf Cmp	Errors	% Cmp
Charles a Anti-	- 📥 All Object Types	Transfer complete	134	134	0	
Status : Active	• Authorization Fields	Transfer complete	2	2	0	100
	• Classes	Transfer complete	13	13	0	100
	Customer Enhancement Projects (CMOD)	Transfer not started	0	0	0	0
PTTP	Package	Transfer complete	6	6	0	100
Overview	Data Domain	Transfer complete	12	12	0	100
Results	Data Element	Transfer complete	21	21	0	100
Result Areas	Enhancement Implementation	Transfer complete	1	1	0	100
Type Consolidation stage	Lock Object	Transfer complete	12	12	0	100
Plan consistency checks	Group	Transfer complete	2	2	0	100
Workflow	• (5) Interface	Transfer complete	3	3	0	100
Customizing Data	Message Class	Transfer not started	0	0	0	0
A Hard-coded Literals	Number range object	Transfer complete	2	2	0	100
Custom Objects	Parameter ID	Transfer not started	0	0	0	
	• 🔚 Program	Transfer complete	15	15	0	100
	• [ <sup>M</sup> Search Help	Transfer complete	9	9	o	100
	SAP SmartForms	Transfer not started	0	0	0	
	Authorization Objects	Transfer complete	1	1	0	-
	BAdI Implementation	Transfer not started	0	0	0	
	• Table	Transfer complete	16	16	0	-
	Standard texts	Transfer not started	0	0	o	
	Transaction	Transfer complete	1	1	0	-
	• Table Type	Transfer complete	9	9	0	
	•  Type Group	Transfer complete	3	3	0	
	• 🗇 View	Transfer complete	6	6	ő	

The buttons on this screen operate by clicking the right hand down arrow  $\square$  details on what each button does are as below.

The 'Transfer' button **Transfer** allows the user to transfer the changes, however, it is recommended the user does not use this and completes this through the operation drawer as this adds greater clarity.

The 'Workflow' button Workflow allows the user to open and close this phase.

The 'Overview' button **Overview** allows the user to view the reports for this phase, see the <u>Reporting</u> section for more details.

On the custom objects screen below, opening up an Object Type provides groupings based on the status of the objects, effectively if errors are found or the transfers are not complete then you can quickly find these objects via the status.

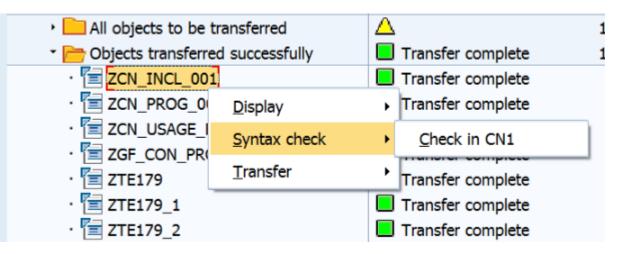
Transfer	ew	4				
insfer from CN1 to CN2		Status	Trf Cnt	Trf Cmp	Errors	% Cmp
All Object Types		Transfer complete	134	134	0	100
Authorization Fields		Transfer complete	2	2	0	100
Classes		Transfer complete	13	13	0	100
🔹 🗱 Customer Enhancement Projects (CMOD)	۵	Transfer not started	0	0	0	0
Bill Package		Transfer complete	6	6	0	100
Data Domain		Transfer complete	12	12	0	100
Data Element		Transfer complete	21	21	0	100
🔅 🗱 Enhancement Implementation		Transfer complete	1	1	0	100
- 🔒 Lock Object		Transfer complete	12	12	0	100
Function Group		Transfer complete	2	2	0	100
🕨 🔁 Interface		Transfer complete	3	3	0	100
Message Class	۵	Transfer not started	0	0	0	0
Number range object		Transfer complete	2	2	0	100
Parameter ID	۵	Transfer not started	0	0	0	0
r 🛅 Program		Transfer complete	15	15	0	100
All objects to be transferred	$\triangle$		15	0	0	0
<ul> <li>Dijects transferred successfully</li> </ul>		Transfer complete	15	0	0	0
· 🔄 ZCN_INCL_001		Transfer complete	1	0	0	0
· 🔄 ZCN_PROG_001		Transfer complete	1	0	0	0
· 🔚 ZCN_USAGE_PROG2		Transfer complete	1	0	0	0
<ul> <li>Test Con_prog_testcon</li> </ul>		Transfer complete	1	0	0	0
· 🛅 ZTE179		Transfer complete	1	0	0	0
· 🔄 ZTE179_1		Transfer complete	1	0	0	0
· 🔁 ZTE179_2		Transfer complete	1	0	0	0
· 🔁 ZTE179_3		Transfer complete	1	0	0	0
· 🔁 ZTE179_4		Transfer complete	1	0	0	0
· 🔁 ZTE179_5		Transfer complete	1	0	0	0
· 🔁 ZTE179_6		Transfer complete	1	0	0	0
· 🔁 ZZ_CON_PROG_4		Transfer complete	1	0	0	0
· 🔁 ZZ_CON_PROG_TRAN_01		Transfer complete	1	0	0	0
· 🔁 ZZ_CON_PR_TESTPROGRAM_02	_	Transfer complete	1	0	0	0
· 🔚 Z_TEST_FROM_CN1		Transfer complete	1	0	0	0
Objects transferred with errors		Failed transfers	0	0	0	0
<ul> <li>Dejects still to be transferred</li> </ul>	0	Transfer not started	0	0	0	0
Objects currently being transferred	_	In progress	0	0	0	0
Search Help		Transfer complete	9	9	0	100
T SAP SmartForms	•	Transfer not started	0	0	0	0

There are a number of options when using the right mouse click on objects.

Firstly 'Display' lets you simply display the object.

All objects to be t	ransferred	$\Delta$	15
<ul> <li>Constant</li> </ul>	d successfully	Transfer complete	15
· 🔁 ZCN_INCL_001		Transfer complete	1
· 🔁 ZCN_PROG_0	<u>D</u> isplay	<ul> <li>Display in CN1</li> </ul>	1
· 🔁 ZCN_USAGE_I	Syntax check	I ranster complete	- 1
· 🔁 ZGF_CON_PR(		Transfer complete	1
· 🔁 ZTE179	Transfer	Transfer complete	1
· 🔁 ZTE179_1		Transfer complete	1

Secondly 'Syntax Check' this allows you to run a syntax check on the object.



Thirdly 'Transfer' lets you display the object in the target and update the status if required.

\*

<ul> <li>All objects to be t</li> <li>Objects transferred</li> </ul>			Transfer complete	15 15	0	0 0	0
<ul> <li>Table Control Con</li></ul>		_	Transfer complete	13	0	0	0
· 🔁 ZCN_PROG_0	<u>D</u> isplay	•	Transfer complete	1	0	0	0
· 🔁 ZCN_USAGE_I	Syntax check	•	Transfer complete	1	0	0	0
· 🔁 ZGF_CON_PR	Transfer	•	Display in target	1	0	0	0
· 📄 ZTE179 · 🚰 ZTE179_1				1	0	0	0
· 🔚 ZTE179_1			Set Status Transfer complete		In progress		0
· 🔁 ZTE179_3			Transfer complete		<u>E</u> xecuted		o
· 🔚 ZTE179_4		_	Transfer complete		Failed		0
· 🔚 ZTE179_5			Transfer complete		<u>R</u> eset to initial		0
· 🔚 ZTE179_6			Transfer complete	1	0	0	0

To keep the phases in order once you close a phase it cannot be reopened

When you are certain you are ready to close the phase use the 🗾 option on the 'Workflow' button Starkflow

Í and select close phase.

# Reporting

Reporting is held in the 'Overview' drawer as below, this involves a number of reports for each phase with high level overview reports for each stage and all stages. The same specific reports can also be viewed via

the 'Results' tabs for each phase with the 'Overview' button **Overview** allowing users to view the reports for that specific phase.

<u>@</u> 0\	verview			
Cor	nsolidation ove	rview		
Туре	Consolidation stage	Consolidation	Opt.	Opt.
8	All stages		i	<b>Ŷ</b> Ŷ
8	Customizing data		i	츎
몲	Customizing data	Analysis		
몲	Customizing data	Decision		
몲	Customizing data	Execution		
몲	Customizing data	Transfer		
몲	Hard Coded Literals		i	찷
몲	Hard Coded Literals	Analysis		
몲	Hard Coded Literals	Decision		
몲	Hard Coded Literals	Execution		
몲	Custom Objects		i	캶
몲	Custom Objects	Analysis		
몲	Custom Objects	Decision		
品	Custom Objects	Execution		
R	Custom Objects	Transfer		

The 'All stages' information button **[1]** can be used to gain an overview of all the stages in the plan.

CONTEXT				EC	C Consolidation							
🥵 Plan				Statu	is : Active							
ECC Consolidation		¥ .	1	First	system : System DZZ (	(D01)						
					and system : Test system (							
Status : Active					et system : Test system (							
2 Overview				1.1.1		,						
Overview				Tran	sfer method : Tra	nsport						
Consolidation over	view				,	1K922625						
Type Consolidation stage	Phase	Opt. O	ot		sed for second system : D02							
All stages	Fildas		Þ -	Syst	em renamed by default : Tes	t system (D02)						
Rustomizing data			* - * *									
Customizing data	Analysis		57°									
Customizing data	Decision											
Customizing data	Execution			Wo	rkflow validation							
Customizing data	Transfer		E #									
Hard Coded Literals			\$ <del> </del> +	- 44	Stage	Phase	St	Opened	By	Closed	Ву	
Hard Coded Literals	Analysis						-	-			-	
Hard Coded Literals	Decision				Customizing data	Analysis	<b>V</b>	12.02.2016	TENGLAND	22.02.2016	TENGLAND	
Hard Coded Literals	Execution				Customizing data	Decision	1	22.02.2016	TENGLAND	24.02.2016	TENGLAND	
R Custom Objects		1 4	. 4		Customizing data	Execution	<b>V</b>	24.02.2016	TENGLAND	28.02.2018	TENGLAND	
Custom Objects	Analysis		-		Customizing data	Transfer	8	28.02.2016	TENGLAND		-	
		4	F	0.	Hard ooded literals	Analysis		13.02.2018	TENGLAND	25.02.2016	TENGLAND	
Results				0				25.02.2016				
Operation			_			Decision			TENGLAND	27.02.2016	TENGLAND	
			_	0	Hard coded literals	Execution		27.02.2016	TENGLAND	-	-	
Configuration				1	Custom objects	Analysis	1	13.02.2016	TENGLAND	17.02.2018	TENGLAND	
About												

The 'All stages' relationships button is can be used to gain an overview of all the stages their links and open and closed timings in the plan.

CONTEXT			
s Plan			
ECC Consolidation		~	1
Status : Active			
🔊 Overview			
Consolidation over	view		
Type Consolidation stage	Phase	Opt.	Opt.
All stages		1	
📇 Customizing data		1	30 -
📇 Customizing data	Analysis	La la	
🔒 Customizing data	Decision	6	
🖁 Customizing data	Execution		
🔏 Customizing data	Transfer		<b>1</b>
📇 Hard Coded Literals		1	왕
Hard Coded Literals	Analysis	La la	
Hard Coded Literals	Decision	La la	<b>.</b>
Hard Coded Literals	Execution	La la	ŧ.
📇 Custom Objects		E.	*
Custom Objects	Analysis		
			• •
Results			
Uperation			
Configuration			
ng About			

The 'Customizing Data' information button **(**customizing Data' stage in the plan. This works in the same way for the other stages.

CONTEXT				Customizing progress	ECC Consolidation		
🥵 Plan				Analysis	First system : System DZZ (D01)		
ECC Consolidation		<b>~</b>	1		Second system : Test system (D02)		
Status : Active				Progress: 100%	Target system : Test system (D02)		
Overview					Number of tables in D01 : 30837		
oremen				Decision	Number of tables in D02 : 3682 Number of rows in D01 : 4508580		
Consolidation ove	rview				Number of rows in D02 : 233569		
Type Consolidation stage	Phase	Opt. C	nt		Number of conflicts : 184935		
All stages	Filase		pc.  ⇒ ▲	Progress: 100%	Number of identical lines : 183660		
Customizing data			+ - → -		Conflicts with different data : 1275 Number of non existing keys : 23382		
Customizing data	Analysis				Number of translations : 1255		
Lustomizing data	Decision			Execution	Number of modified lines : 11161		
	Execution						
Customizing data	Transfer			Progress: 100%	Customizing activities		
Customizing data	Transfer		E 11				
	Analysis		*		Activity	Date	User
	Decision			Transfer	Last decision	22.02.2016	TENGLAND
Hard Coded Literals	Execution				S Last execution	24.02.2018	TENGLAND
Custom Objects	Execution		No	Progress: 50%	🚓 Last transfer	29.02.2016	TENGLAND
Restor Objects	Analysis				Last run of "Customizing analysis"	18.02.2016	TENGLAND
		4			Last run of "Customizing decision"	22.02.2018	TENGLAND
Results			_				
			_		Last run of "Customizing execution"	24.02.2018	TENGLAND
Operation .					Last run of "Customizing transfer"		TENGLAND
Configuration							
About			_				

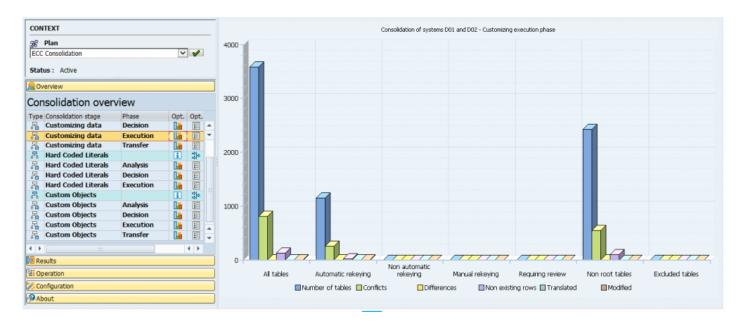
The 'Customizing Data' relationships button 'Customizing Data' stage the links and open and closed timings in the plan. This works in the same way for the other stages.

CONTEXT					Customizing data Analysis
🔊 Plan					Started 12.02.2016 by TENGLAND Closed 22.02.2016 by TENGLAND
ECC Consolidation		~			
'					
Status : Active					Customizing data Decision Started 22.02.2016 by TENGLAND
Soverview					Closed 24.02.2016 by TENGLAND
				_	
Consolidation overv	lew				Customizing data Execution
Type Consolidation stage	Phase	Opt.	Opt.		Started 24.02.2016 by TENGLAND
😂 All stages		i	*	*	Closed 25.02.2016 by TENGLAND
🔠 Customizing data		i	¶\$₽	Τ.	
📲 Customizing data	Analysis				Customizing data Transfer
Restormizing data	Decision				Started 28.02.2016 by TENGLAND
🖁 🖁 Customizing data	Execution				· · · · · · · · · · · · · · · · · · ·
Restorizing data	Transfer			#	
Hard Coded Literals		i	츎		
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The 'Hard Code Literals' details button is can be used to see the line by line detail of the 'Hard Code Literals' 'Decision' phase. The detail reports work in the same way for the other stages.

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The 'Customizing Data' graph button **Lie** can be used to gain a graphical view of the 'Customizing Data' 'Execution' phase. This works in the same way for the other stages.



## Support from Basis Technologies

#### **Raising Support Tickets**

To request support from Basis Technologies on any issue relating to our product sets (Transport Expresso, DevOps, Diffuser or Utilities), a ticket should be raised via the following email address:

#### support@basistechnologies.com

Sending an email to this address will automatically create a ticket in Zendesk, the ticketing tool used by Basis Technologies.

Please include as much information as possible about the issue (product, version, error messages, steps to replicate, screenshot attachments) in the email. In addition, please also include your own contact details in your email.

Please reflect any high priority issues by including URGENT or HIGH PRIORITY at the start of the email subject.

#### **Support Escalation**

If you have any concerns with the service you are getting from Basis Technologies support, or wish to escalate any high priority issues please email **supportescalation@basistechnologies.com** 

#### **Require additional Information or Services?**

If additional information or services relating to any of Basis Technologies product sets is required, you can contact us via the above support@basistechnologies.com address, or alternatively by contacting your assigned Basis Technologies Account Director.