

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:

- [Stage](#)
- [Customizing Data](#)
- [Custom Objects](#)
- [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 [Customizing Data](#) and [Custom Objects](#) have four phases as all Custom Objects get transferred at once. [Hard Code Literals](#) 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 [Hard Code Literal](#).

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
- BAdI Definition
- Table
- Standard Text
- Transaction
- Table Type
- Type Group
- View

Hard Code Literals

A Hard Coded Literal (HCL) is where developers have embedded a specific value, such as [Customizing Data](#), directly into the source code of a program or other executable object. As a part of a consolidation if the [Customizing Data](#) changes then the hard coded literals need to be checked and updated as appropriate. For this reason [Customizing Data](#) **must** be completed before hard coded literals can complete the [Execution](#) 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 [Customizing Data](#) 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 [Customizing Data](#) and [Custom Objects](#), although note the [Hard Code Literals](#) stage does not go through the Transfer phase.

[Analysis](#)


[Decision](#)

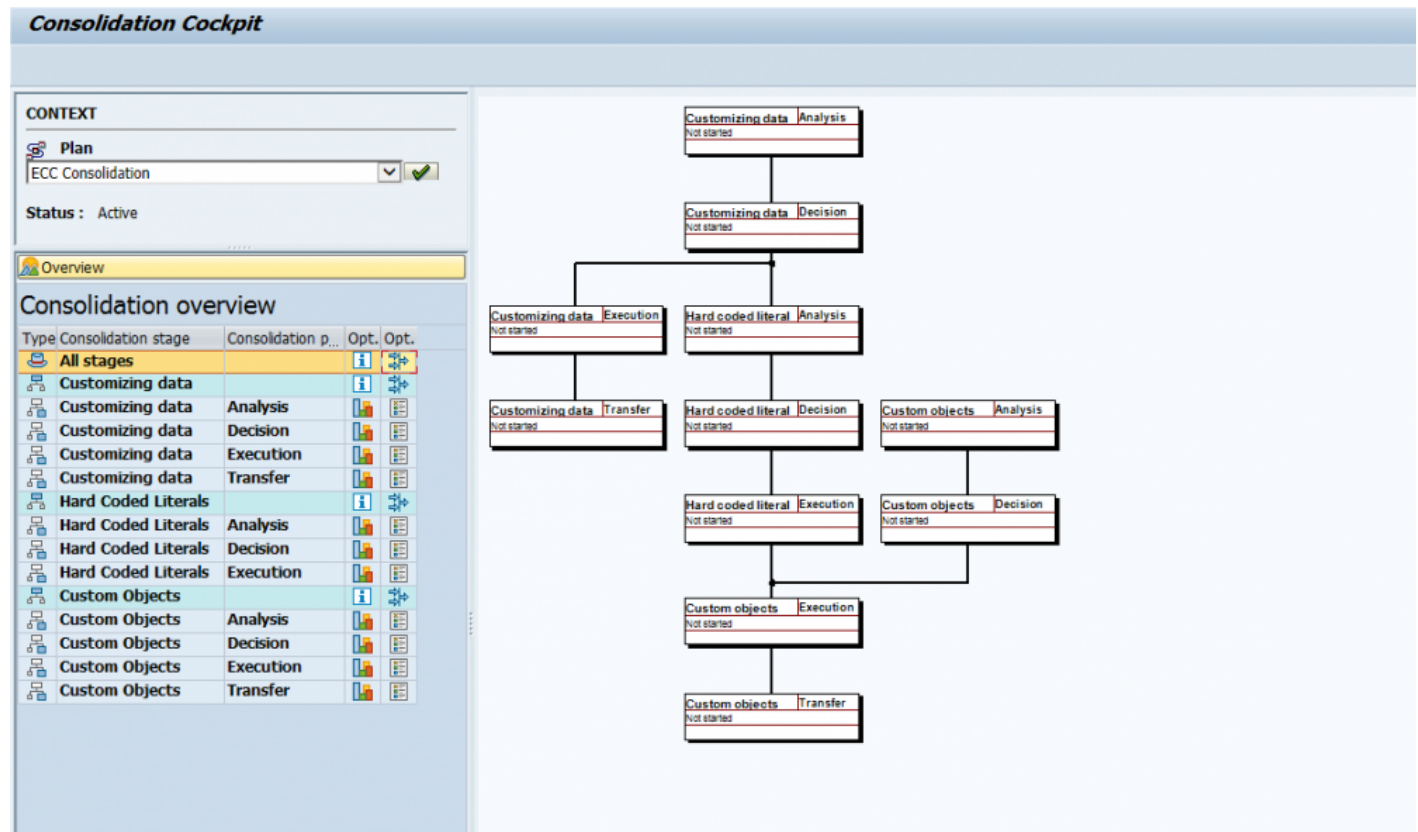
[Execution](#)

[Transfer](#)



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.



Analysis

The Analysis phase is where all of the [Custom Objects](#), [Hard Code Literals](#) or [Customizing Data](#) 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 [Stage](#) 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 [Hard Code Literals](#) following decisions are available:

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

For [Customizing Data](#) 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](#)
- [Systems](#)
- [Plans](#)
- [Configuration](#)

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 system Controller	<p>Import the transports provided by Basis Technologies into your designated Controller. Diffuser followed by Transport Express followed by Consolidator</p> <p>They must be imported in the order specified.</p>
2	Import transports into your Source/Target/Destination systems	<p>Import the transports provided by Basis Technologies into your designated Controller. Diffuser followed by Transport Express followed by Consolidator</p> <p>They must be imported in the order specified.</p>
3	Create RFC users	<p>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:</p> <p>SAP_BC_TRANSPORT_ADMINISTRATOR SAP_BC_DWB_ABAPDEVELOPER</p> <p>For all remote systems the CON_RFC user needs to be of type System User</p> <p>For the Domain Controller systems the CON_RFC user needs to be of type Service User</p> <p>Important: In the Domain Controller, CON_RFC user also needs /BTI/TE:CTS_ADMIN_USER and /BTI/TE:CTS_ADMIN</p>
4	Create RFC destinations (in Controller)	<p>Use SM59 (>> Create Connection) to create RFC destinations in your Controller:</p> <p>a. To connect to Source/Target/Destination systems taking part in the merge b. To connect back to the Controller system itself</p> <p>The following nomenclature must be used:</p>

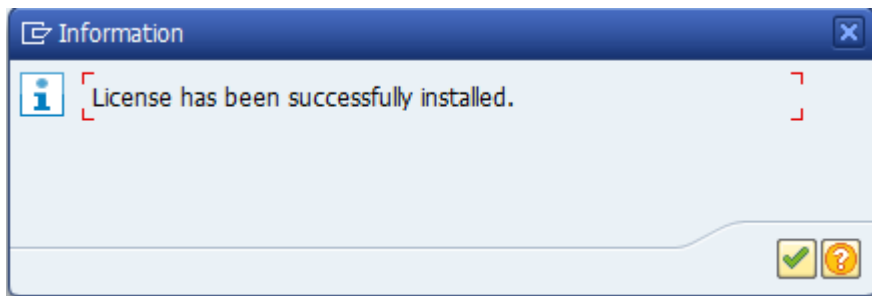
Managing Licenses

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

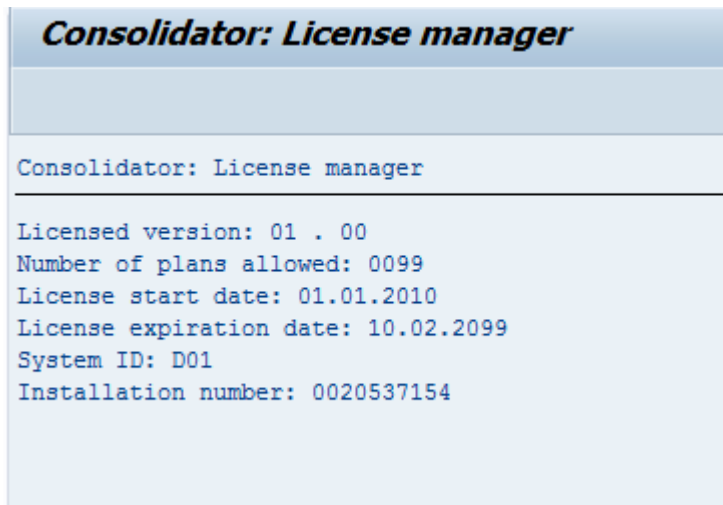
To install a license file select the install license option and execute the transaction, the file is then selected for upload.



A success message should be received.



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



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.



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

<i>Diffuser License Manager</i>							
Prod. ID	Product Name	Consist.	Valid	Expiry Date	Sys ID	Installation	Reports
CON	Consolidator (Remote Package)			31.12.2099	D02	0020537154	

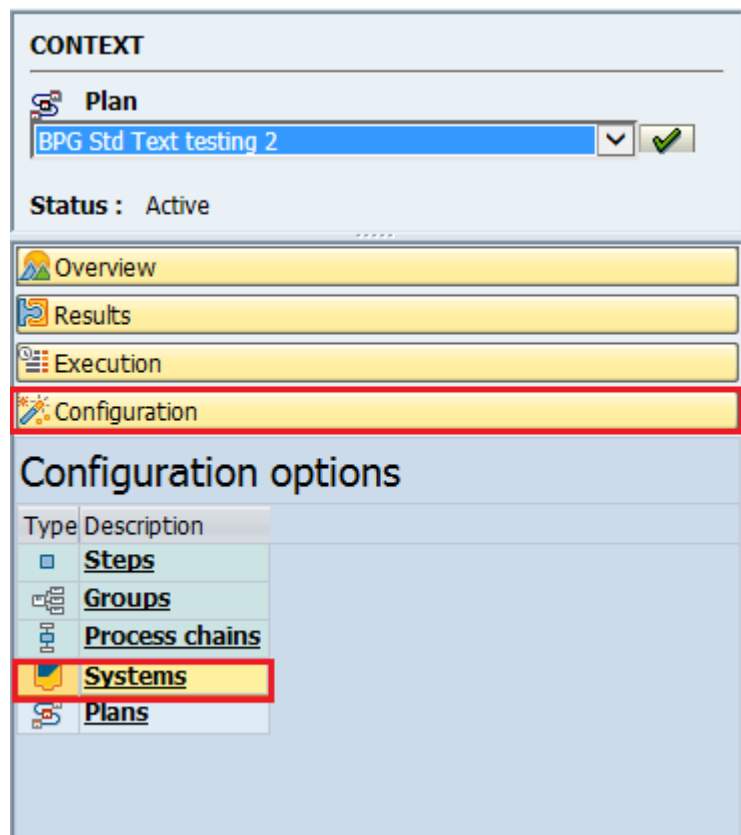
Systems

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 [Installation](#) 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”.



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
	0001	D01	100	Central system	NONE	X		
	0002	D02	100	Test system	CONSOLIDATOR_D02		DUM	CON
	0003	D01	100	Another D01	TRANSPORT EXPRESS D01			CON
	0004	D01	100	Yet another D01	TRANSPORT EXPRESS D01			
	0005	D03	100	D03	TRANSPORT EXPRESS D03			ABC
	0006	D01		System D01 - A	CONSOLIDATOR_D01		DUM	CON
	0007	D01		System D01 - B	CONSOLIDATOR_D01		DUM	CON
	D01	D01	100	D01 xxx	TRANSPORT EXPRESS D01			
	D99	D99		System D99	CONSOLIDATOR_D01		DUM	CON
	DYY	D01		bug 2120			DUM	
	DZZ	D01	100	System DZZ	CONSOLIDATOR_D01		DUM	CON
	TEST	D01	100	test system	NONE			

When creating a system the following screen is shown

Creation of a new system

Header

System number

Description

System information

System name ☐ Central system

Client

RFC Destination

Sec. RFC destination

Transport target Get default target

Config

Status ☒ Active ☐ Inactive Renaming suffix

Change log

Created by Created on

Last modified by Last modified on

Additional information

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

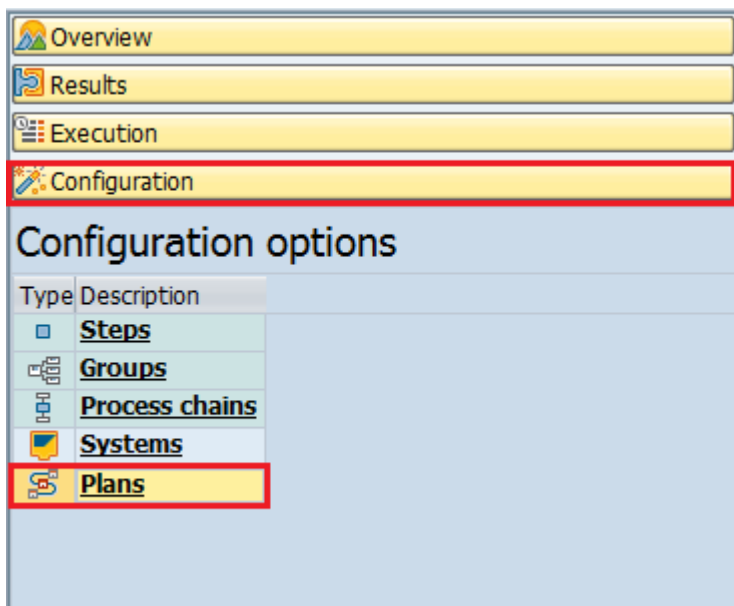
- System Number – This is a unique identifier for the system
- Description – This is purely to add a description to the system
- System Name – This is the System ID of the system being setup
- Client – This is the client of that system you want to interact with

- 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 is the RFC that should have been setup in the installation
- Secondary RFC Destination – This is 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”.



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**

Header Workflow

Systems

System A

System B

Target system

Destination system

Config

Transfer method ☒ Transport request ☐ Consolidator

Transport request for system A

Transport request for system B

Consolidation options

Default renaming ☒ System A ☐ 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.

Creation of a new plan

Header

Plan name Status **New**

Header Workflow

Open phase Close phase

Consolidation workflow

Type	Stage	Phase	St.	Status	Opened by	Opened on	Closed by	Closed on
	Customizing data	Analysis						
	Customizing data	Decision						
	Customizing data	Execution						
	Customizing data	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						

Save Cancel

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

CONTEXT

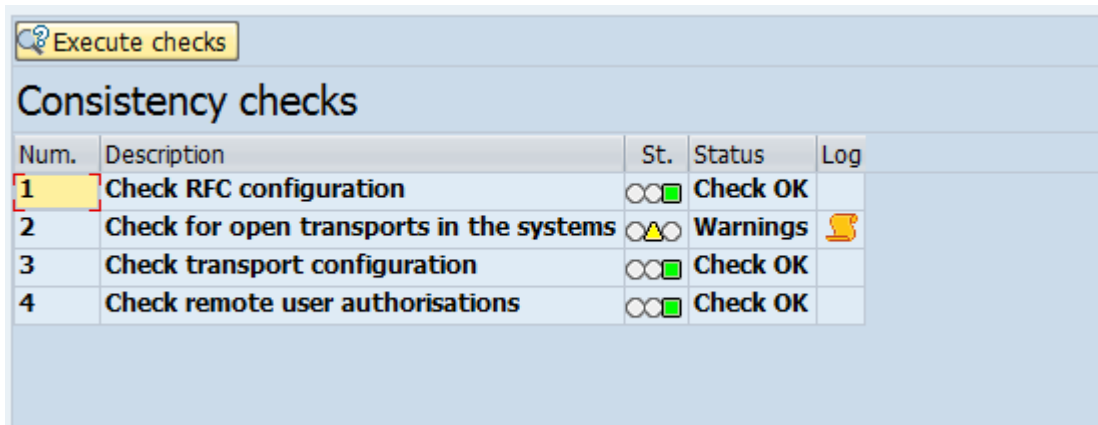
Plan

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".

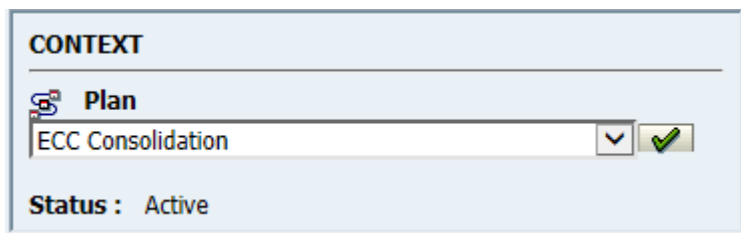
Press the “Execute checks” button, the checks are then run through and logs are produced for warnings or errors.



The screenshot shows a software interface with a yellow button labeled "Execute checks" at the top left. Below it is a section titled "Consistency checks" containing a table with four rows of data. The first row is highlighted with a red border. The table columns are: Num., Description, St., Status, and Log.

Num.	Description	St.	Status	Log
1	Check RFC configuration		Check OK	
2	Check for open transports in the systems		Warnings	
3	Check transport configuration		Check OK	
4	Check remote user authorisations		Check OK	

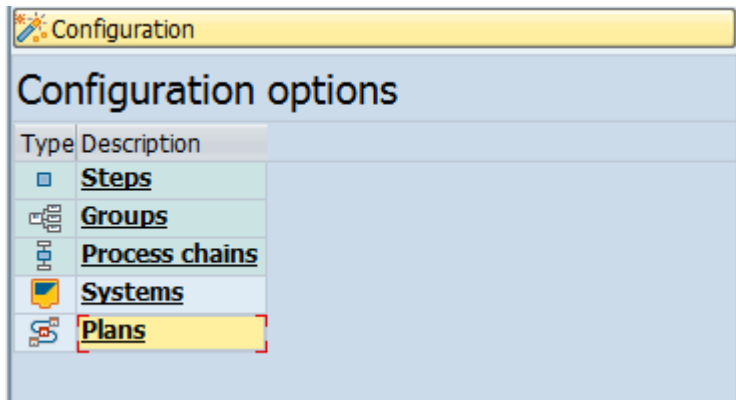
Select the plan and press the green tick button, note the status is currently 'Active'. you are now ready to start with the execution of your plan.



The screenshot shows a "CONTEXT" panel. It has a "Plan" label next to a dropdown menu. The dropdown menu is open, showing "ECC Consolidation" as the selected option. To the right of the dropdown is a green checkmark button. Below the dropdown, the text "Status : Active" is displayed.

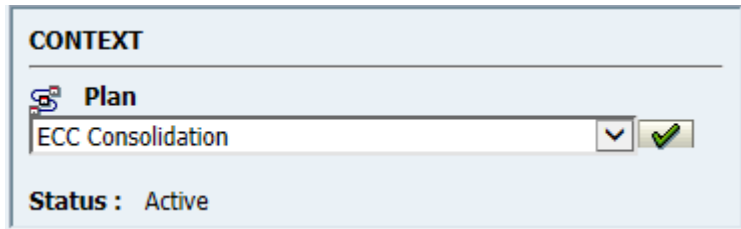
Configuration

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.




Usage

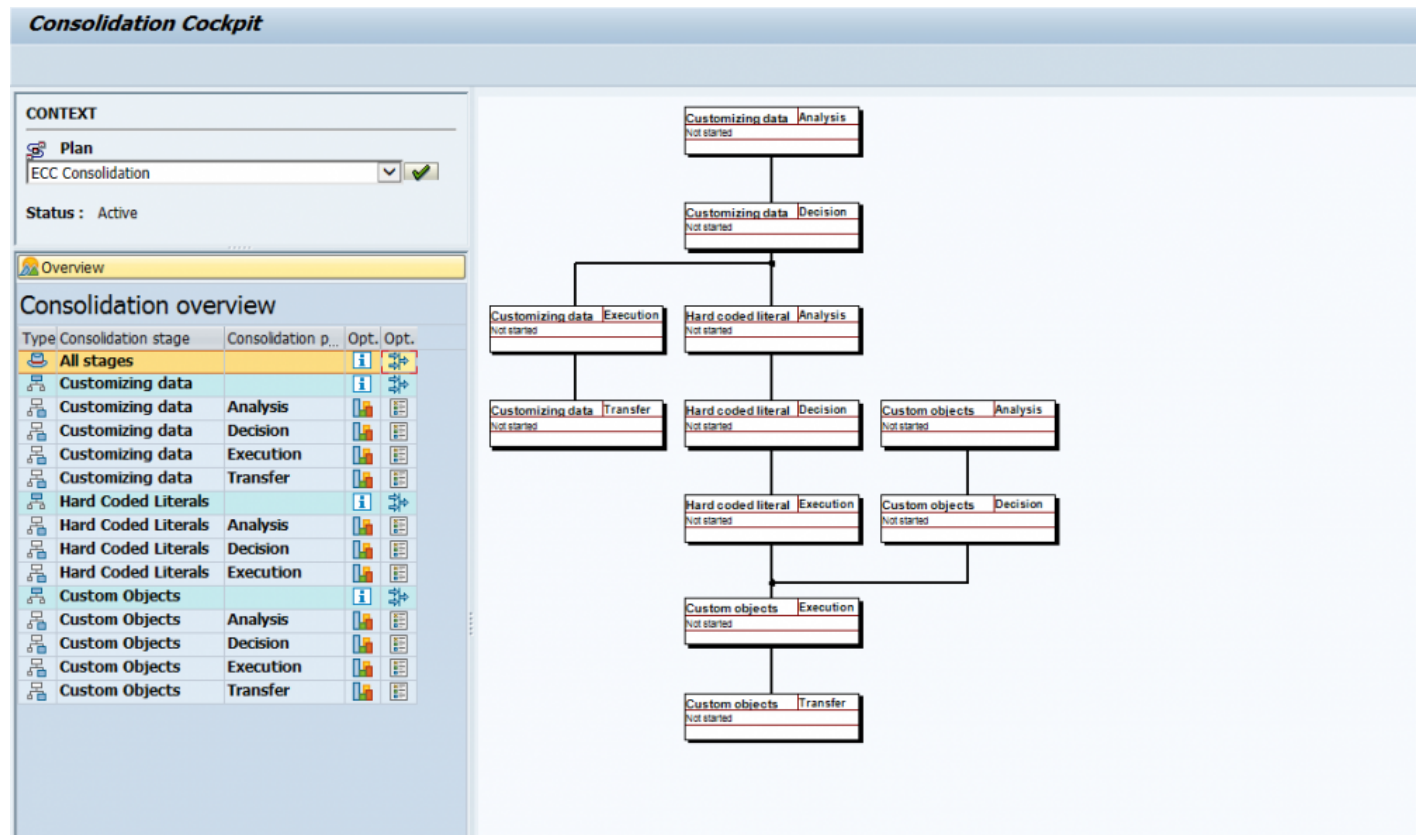
To start the operation of the tool the [Setup](#) should have been completed and a plan selected and with the green tick button pressed the plan shows as active as below.



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

- [Customizing Data](#)
- [Hard Code Literals](#)
- [Custom Objects](#)

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](#)
- [Results](#)

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.

The screenshot shows the 'Configuration' drawer with the following elements:

- CONTEXT** section:
 - Plan**: A dropdown menu showing 'ECC Consolidation' with a green checkmark icon to its right.
 - Status**: Active
- A list of tabs: Overview, Results, Operation, and Configuration. The 'Configuration' tab is highlighted in yellow.
- Configuration options** section:
 - A table with two columns: 'Type' and 'Description'.

Type	Description
	<u>Steps</u>
	<u>Groups</u>
	<u>Process chains</u>
	<u>Systems</u>
	<u>Plans</u>

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

Display of plan 9000000027

Header

Plan name: ECC Consolidation Status: Active

Header Workflow

Open phase Close phase

Consolidation workflow

Type	Stage	Phase	St.	Status	Opened by	Opened on	Closed by	Closed on
	Customizing data	Analysis						
	Customizing data	Decision						
	Customizing data	Execution						
	Customizing data	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 phase is now open for operations.

Display of plan 9000000027

Header

Plan name: ECC Consolidation Status: Active

Header Workflow

Open 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						
	Hard coded literals	Analysis						
	Hard coded literals	Decision						
	Hard coded literals	Execution						
	Custom objects	Analysis						
	Custom objects	Decision						
	Custom objects	Execution						
	Custom objects	Transfer						

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

Plan
ECC Consolidation

Status: Active

Overview
Results
Operation

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	⬇

Execute Schedule

Process chain	Reference	Act.	Order	System	Select	St.	Status	St. date	St. time	End date	End ti...
Customizing analysis	001	⬇			✓						
Customizing analysis - Table list	0000000004	⬇	1		✓						
Table list generator - System A	0000000015	⬇	1	D01	✓						
Table list generator - System B	0000000016	⬇	2	D02	✓						
Retrieve table list from remote system - System A	0000000017	⬇	3	D01	✓						
Retrieve table list from remote system - System B	0000000018	⬇	4	D01	✓						
Customizing analysis - Table content	0000000007	⬇	2		✓						
Store remote content into the cluster - System A	0000000029	⬇	1	D01	✓						
Store remote content into the cluster - System B	0000000030	⬇	2	D02	✓						
Collect table conflict information	0000000019	⬇	3	D01	✓						
Customizing analysis - Table linkages	0000000008	⬇	3		✓						
Build table field graph	0000000031	⬇	1	D01	✓						
Retrieve table field graph	0000000032	⬇	2	D01	✓						
Build table field reachability graph	0000000033	⬇	3	D01	✓						
Build root table list	0000000034	⬇	4	D01	✓						

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

Consolidation Cockpit

CONTEXT

Plan
ECC Consolidation

Status: Active

Overview
Results
Operation

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	⬇

Abort Log Job overview

Process chain	Reference	Act.	Order	System	Select	St.	Status	St. date	St. time	End date	End ti...
Customizing analysis	001	⬇			✓		Pending				
Customizing analysis - Table list	0000000004	⬇	1		✓		Pending				
Table list generator - System A	0000000015	⬇	1	D01	✓		Pending				
Table list generator - System B	0000000016	⬇	2	D02	✓		Pending				
Retrieve table list from remote system - System A	0000000017	⬇	3	D01	✓		Pending				
Retrieve table list from remote system - System B	0000000018	⬇	4	D01	✓		Pending				
Customizing analysis - Table content	0000000007	⬇	2		✓		Pending				
Store remote content into the cluster - System A	0000000029	⬇	1	D01	✓		Pending				
Store remote content into the cluster - System B	0000000030	⬇	2	D02	✓		Pending				
Collect table conflict information	0000000019	⬇	3	D01	✓		Pending				
Customizing analysis - Table linkages	0000000008	⬇	3		✓		Pending				
Build table field graph	0000000031	⬇	1	D01	✓		Pending				
Retrieve table field graph	0000000032	⬇	2	D01	✓		Pending				
Build table field reachability graph	0000000033	⬇	3	D01	✓		Pending				
Build root table list	0000000034	⬇	4	D01	✓		Pending				

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

Consolidation Cockpit

CONTEXT

Plan

ECC Consolidation

Status: Active

Overview

Results

Operation

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	

Abort Log Job overview

Process chain	Reference	Act.	Order	System	Select	St.	Status	St. date	St. time	End date	E...
Customizing analysis	001						In progress	12.02.2016	17:35:27		
Customizing analysis - Table list	0000000004		1								
Table list generator - System A	0000000015		1	D01			In progress	12.02.2016	17:35:27		
Table list generator - System B	0000000016		2	D02			Pending				
Retrieve table list from remote system - System A	0000000017		3	D01			Pending				
Retrieve table list from remote system - System B	0000000018		4	D01			Pending				
Customizing analysis - Table content	0000000007		2								
Store remote content into the cluster - System A	0000000029		1	D01			Pending				
Store remote content into the cluster - System B	0000000030		2	D02			Pending				
Collect table conflict information	0000000019		3	D01			Pending				
Customizing analysis - Table linkages	0000000008		3								
Build table field graph	0000000031		1	D01			Pending				
Retrieve table field graph	0000000032		2	D01			Pending				
Build table field reachability graph	0000000033		3	D01			Pending				
Build root table list	0000000034		4	D01			Pending				

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 [Operation](#) 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

CONTEXT

Plan

ECC Consolidation

Status: Active

Overview

Results

Result Areas

Type Consolidation stage

Plan consistency checks

Workflow

Customizing Data

Hard-coded Literals

Custom Objects

Analysis

Decision

Execution

Transfer

Update

Add table


Exclude

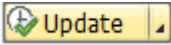
Workflow

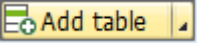
Overview

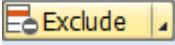
Customizing Tables

	Tables (D01)	Tables (D02)	Rows (D01)	Rows (D02)	Key conf.	Identical
All Software Components	30.837	3.682	4.508.580	233.569	184.935	183.660
Add-On Assembly Kit (AOFTOOLS 400_700) (AOFTOOLS)	1	0	0	0	0	0
SAP Enterprise Extension PLM, SCM, Financials (EA-APPL)	3.043	0	106.646	0	0	0
SAP Enterprise Extension Defense Forces & Public Security (EA-DFPS)	276	0	7.404	0	0	0
SAP Enterprise Extension Financial Services (EA-FINSERV)	2.043	0	126.529	0	0	0
SAP Enterprise Extension Global Trade (EA-GLTRADE)	138	0	1.492	0	0	0
Sub component EA-HRCGB of EA-HR (EA-HRCGB)	27	0	170	0	0	0
Sub component EA-HRCIN of EA-HR (EA-HRCIN)	100	0	46	0	0	0
Sub component EA-HRCMX of EA-HR (EA-HRCMX)	3	0	1	0	0	0
Sub component EA-HRCUS of EA-HR (EA-HRCUS)	22	0	0	0	0	0
Sub component EA-HRGXX of EA-HR (EA-HRGXX)	300	0	95.825	0	0	0
Sub component EA-HRXXX of EA-HR (EA-HRXXX)	104	0	1.109	0	0	0
SAP IPPE (EA-IPPE)	27	0	626	0	0	0

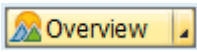
The buttons on this screen operate by clicking the right hand down arrow  details on what each button does are as below.

The 'Update' button  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.

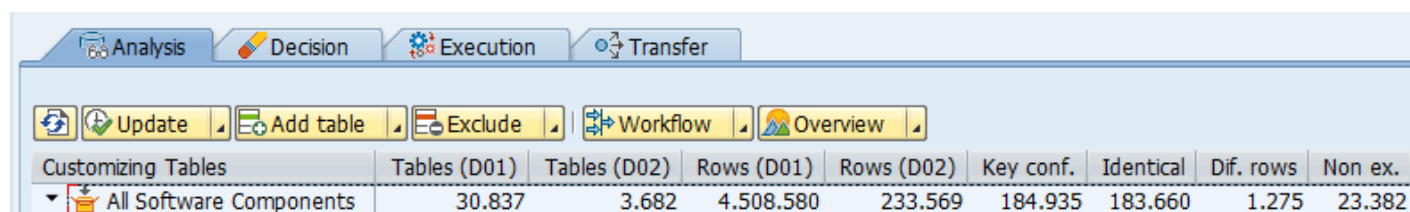
The 'Add Table' button  allows the user to add tables that are not of a delivery class of customising (C or G) that you want to bring into the Analysis. Tables can be added just to this plan or globally for any future consolidation plans.

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

The 'Overview' button  allows the user to view the reports for this phase, see the [Reporting](#) 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.



Customizing Tables	Tables (D01)	Tables (D02)	Rows (D01)	Rows (D02)	Key conf.	Identical	Dif. rows	Non ex.
▼ All Software Components	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

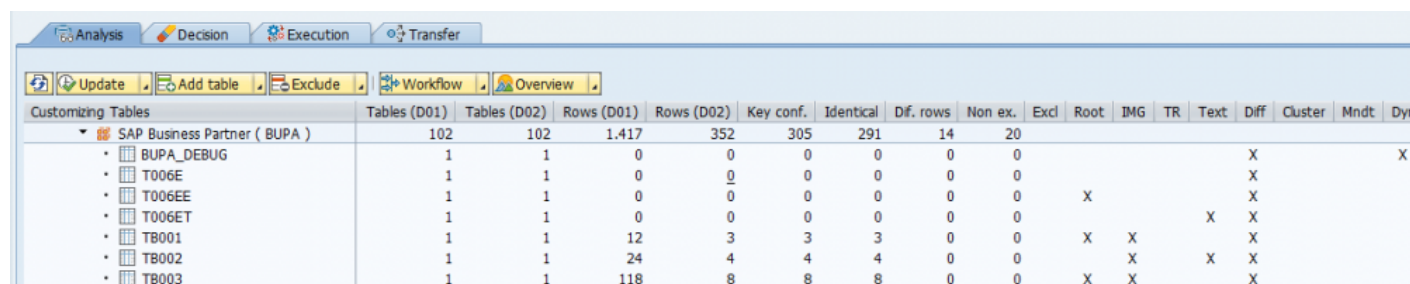
Key Conflict – This contains the number of rows with a conflicting key

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.

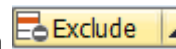


Customizing Tables	Tables (D01)	Tables (D02)	Rows (D01)	Rows (D02)	Key conf.	Identical	Dif. rows	Non ex.	Excl	Root	IMG	TR	Text	Diff	Cluster	Mndt	Dyn
▼ SAP Business Partner (BUPA)	102	102	1.417	352	305	291	14	20									
• BUPA_DEBUG	1	1	0	0	0	0	0	0						X			X
• T006E	1	1	0	0	0	0	0	0						X			
• T006EE	1	1	0	0	0	0	0	0		X				X			
• T006ET	1	1	0	0	0	0	0	0					X	X			
• TB001	1	1	12	3	3	3	0	0		X	X			X			
• TB002	1	1	24	4	4	4	0	0			X		X	X			
• TB003	1	1	118	8	8	8	0	0		X	X			X			

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.

<div> <div>Analysis</div> <div>Decision</div> <div>Execution</div> <div>Transfer</div> </div>								
<div> <div>Update</div> <div>Add table</div> <div>Exclude</div> <div>Workflow</div> <div>Overview</div> </div>								
Customizing Tables	Tables (D...	Tables (D02)	Rows (D01)	Rows (D02)	Key conf.	Identical	Dif. rows	Non ex.
<div> <div>SAP Business Partner</div> <ul style="list-style-type: none"> BUPA_DEBUG T006E T006EE T006ET TB001 TB002 TB003 </div>	102	102	1,417	352	305	291	14	20
	1	1	0	0	0	0	0	0
	1	1	0	0	0	0	0	0
	1	1	0	0	0	0	0	0
	1	1	0	0	0	0	0	0
	1	1	12	3	3	3	0	0
	1	1	24	4	4	4	0	0
	1	1	118	8	8	8	0	0

Example of results retrieved.

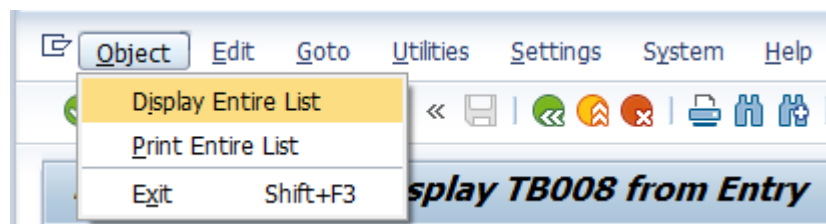
Structure Editor: Display TB003 from Entry

Column Entry Metadata

8 Entries

CLI	ROLE	ROLECA	S	BPVIEW	X	POS
100	000000			000000		000
100	BUP001	BUP001		BUP001		000
100	BUP002	BUP002	X	BUP002		000
100	BUP003	BUP003	X	BUP003		000
100	BUP004	BUP004	X	BUP004		000
100	BUP005	BUP005	X	BUP005		000
100	FS0000			FS0001		000
100	ZBUFA	BUP001	X	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.



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.

The screenshot shows the SAP Business Partner table comparison interface. The top navigation bar includes tabs for Analysis, Decision, Execution, and Transfer. Below this is a toolbar with icons for Update, Add table, Exclude, Workflow, and Overview. The main table displays a comparison of tables between two systems (D01 and D02). The table has columns for Customizing Tables, Tables (D01), Tables (D02), Rows (D01), Rows (D02), Key conf., Identical, Dif. rows, and Non ex. The table TB003 is highlighted, and a context menu is open over it, showing options: Display, Customizing, Storage, Show content, and Exclusion. The 'Display' option is selected, and a sub-menu is open showing 'Display in D01', 'Display in D02', and 'Compare structures'.

Customizing Tables	Tables (D01)	Tables (D02)	Rows (D01)	Rows (D02)	Key conf.	Identical	Dif. rows	Non ex.
▼ SAP Business Partner	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
• TB003				0	0	0	0	0
• TB003				0	0	0	0	0
• TB003				0	0	0	0	0
• TB003				0	0	0	0	0
• TB003		1	2	0	0	0	0	0
• TB003		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 Transfer

Update Add table Exclude Workflow Overview

Customizing Tables	Tables (D01)	Tables (D02)	R
▼ SAP Business Partner (BUPA)	102	102	
• BUPA_DEBUG	1	1	
• T006E	1	1	
• T006EE	1	1	
• T006ET	1	1	
• TB001	1	1	
• TB002	1	1	
• TB003	1	1	
• TB003	1	1	
• TB003	1	1	
• TB003	1	1	
• TB003	1	1	
• TB003	1	1	
• TB003	1	1	
• TB003I	1	1	

Context menu for TB003:

- Display
- Customizing
 - Maintain content
 - Maintain in D01
 - Maintain in D02
 - Show IMG
 - Show Transports
- Storage
- Show content
- Exclusion

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

Analysis Decision Execution Transfer

Update Add table Exclude Workflow Overview

Customizing Tables	Tables (D01)	Tables (D02)	Rows (D01)
▼ SAP Business Partner (BUPA)	102	102	1.417
• BUPA_DEBUG	1	1	0
• T006E	1	1	0
• T006EE	1	1	0
• T006ET	1	1	0
• TB001	1	1	12
• TB002	1	1	24
• TB003	1	1	118
• TB003	1	1	0
• TB003	1	1	0
• TB003	1	1	0
• TB003	1	1	0
• TB003	1	1	2
• TB003	1	1	4
• TB003I	1	1	5
• TB003T	1	1	236

Display IMG					
Existing BC Sets BC Sets for Activity Activated BC Sets for Activity Release Notes Change Log Where Else Used					
Structure					
Business Partner Roles					
Concept of Business Partner Roles					
Define BP Roles					
Define BP Role Groupings					
Define BP Role Exclusion Groups					
Define Application Transactions					

Or to be taken to transports that contain this configuration.

Customizing Tables		Tables (D01)	Tables (D02)	Rows (D01)
SAP Business Partner (BUPA)		102	102	1.417
BUPA_DEBUG		1	1	0
T006E		1	1	0
T006EE		1	1	0
T006ET		1	1	0
TB001		1	1	12
TB002		1	1	24
TB003		1	1	118
TB003		1	1	0
TB003		1	1	0
TB003		1	1	0
TB003		1	1	0
TB003		1	1	0
TB003		1	1	0
TB003		1	1	0
TB003I		1	1	5
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.

Customizing Tables		Tables (D01)	Tables (D02)	Rows (D01)
SAP Business Partner (BUPA)		102	102	1.417
BUPA_DEBUG		1	1	0
T006E		1	1	0
T006EE		1	1	0
T006ET		1	1	0
TB001		1	1	12
TB002		1	1	24
TB003		1	1	118
TB003		1	1	0
TB003		1	1	0
TB003		1	1	0
TB003		1	1	0
TB003		1	1	0
TB003		1	1	0
TB003		1	1	0
TB003		1	1	0
TB003		1	1	0
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 Workflow Overview

Customizing Tables	Tables (D01)	Tables (D02)	Rows (D01)
▼ SAP Business Partner (BUPA)	102	102	1.417
• BUPA_DEBUG	1	1	0
• T006E	1	1	0
• T006EE	1	1	0
• T006ET	1	1	0
• TB001	1	1	12
• TB002	1	1	24
• TB003	1	1	118
• TB003	1	1	0
• TB003	1	1	0
• TB003	1	1	0
• TB003	1	1	0
• TB003	1	1	2
• TB003	1	1	4
• TB003I	1	1	5
• TB003T	1	1	236

Data comparison option as below:

Table TB003

%Display Filter source Filter target Structure Translation data

Original content (D01): 118 entrie(s)

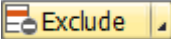
CLIENT	ROLE	ROLECATEGORY	STND	ROLECAT	BPVIEW	XSUPPRESS	POSNR
100	000000						000000
100	BBP000	BBP000	X				
100	BBP001	BBP001					
100	BBP002	BBP002	X				
100	BBP003	BBP003	X				
100	BBP004	BBP004	X				
100	BBP005	BBP005	X				
100	BBP006	BBP006	X				
100	BKK010	BKK010	X				FS0001
100	BKK020	BKK020	X				FS0001
100	BKK030	BKK030	X				FS0001
100	BKK200	BKK200	X				FS0001
100	BUP001	BUP001					BUP001
100	BUP002	BUP002	X				BUP002
100	BUP003	BUP003	X				BUP003
100	BUP004	BUP004	X				BUP004
100	BUP005	BUP005	X				BUP005
100	CACSA1	CACSA1	X				CACSA1
100	CACSA2	CACSA2	X				CACSA2
100	CACSA3	CACSA3	X				CACSA3
100	CBH10	CBH10	X				CBH10
100	CBH20	CBH20	X				CBH20
100	CLERK1	TRO995					FS0002
100	CLERK2	TRO995					FS0002
100	CHS001	CHS001	X				FS0001
100	FLCU00	FLCU00	X				FLCU00
100	FLCU01	FLCU01	X				FLCU01
100	FLVN00	FLVN00	X				FLVN00
100	FLVN01	FLVN01	X				FLVN01
100	FS0000						FS0001
100	FS0003	FS0003	X				FS0003
100	FS00NE	FS00NE	X				FS0001
100	HEA010	HEA010	X				HEA010
100	HEA020	HEA020	X				HEA020
100	HEA030	HEA030	X				HEA030
100	HEA040	HEA040	X				HEA040
100	HEA050	HEA050	X				HEA050
100	HR1000	HR1000	X				HR1000
100	MKK	MKK	X				MKK

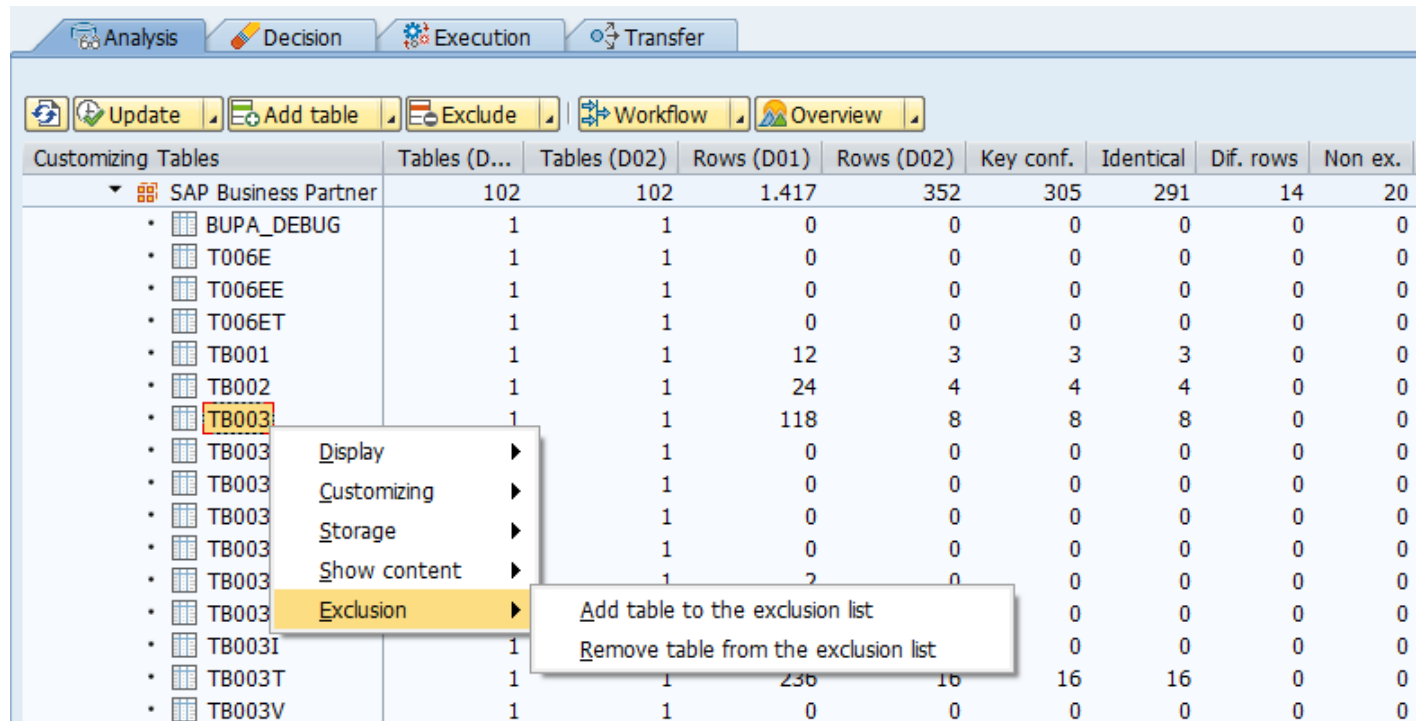
Original content (D02): 8 entrie(s)

CLIENT	ROLE	ROLECATEGORY	STND	ROLECAT	BPVIEW	XSUPPRESS	POSNR
100	000000						000000
100	BUP001	BUP001					BUP001
100	BUP002	BUP002	X				BUP002
100	BUP003	BUP003	X				BUP003
100	BUP004	BUP004	X				BUP004
100	BUP005	BUP005	X				BUP005
100	FS0000						FS0001
100	ZBUPA	BUP001	X				BUP001


Modified content: No entry

CLIENT	ROLE	ROLECATEGORY	STND	ROLECAT	BPVIEW	XSUPPRESS	POSNR
--------	------	--------------	------	---------	--------	-----------	-------

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 .



Customizing Tables	Tables (D...	Tables (D02)	Rows (D01)	Rows (D02)	Key conf.	Identical	Dif. rows	Non ex.
▼ SAP Business Partner	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
• TB003	1	1	0	0	0	0	0	0
• TB003	1	1	0	0	0	0	0	0
• TB003	1	1	0	0	0	0	0	0
• TB003	1	1	2	0	0	0	0	0
• TB003	1	1	0	0	0	0	0	0
• TB003I	1	1	0	0	0	0	0	0
• TB003T	1	1	236	16	16	16	0	0
• TB003V	1	1	0	0	0	0	0	0

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

 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](#)
- [Results](#)

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.

The screenshot shows the 'Configuration' drawer in the Consolidator application. At the top, under the 'CONTEXT' header, there is a 'Plan' section with a dropdown menu showing 'ECC Consolidation' and a green checkmark icon. Below this, the 'Status' is indicated as 'Active'. A horizontal bar contains four tabs: 'Overview', 'Results', 'Operation', and 'Configuration', with 'Configuration' being the active tab. Below the tabs, the 'Configuration options' section is visible, containing a table with the following items:

Type	Description
	<u>Steps</u>
	<u>Groups</u>
	<u>Process chains</u>
	<u>Systems</u>
	<u>Plans</u>

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

Display of plan 9000000027

Header

Plan name Status Active

Header Workflow

Open phase Close phase

Consolidation workflow

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		Open	TENGLAND	22.02.2016		
	Customizing data	Execution						
	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

Plan

Status: Active

Overview Results Operation

Execute Run history

Process chains



Process chain	Reference	Act.	Order	System	Select	St.	Status	St. date	St. time	End date	End time	Est. time	Estim. %	Nb jobs
Customizing decision	009				<input checked="" type="checkbox"/>		Finished	22.02.2016	16:04:24	22.02.2...	16:16:42			
Generate translation for customizing tables	0000000035		1	D01	<input checked="" type="checkbox"/>		Finished	22.02.2016	16:04:24	22.02.2...	16:16:42			

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

Plan



ECC Consolidation  

Status : Active





Overview






Results





Operation

 Execute  Run history

Process chains

St.	Chain name	Op.
	Customizing analysis	
	Customizing decision	

 Back   Abort  Log  Job overview

Process chain	Reference	Act.	Order	System	St.	Status	St. date	St. time	End date	End time	Est. time	Estm. %	Nb jobs
Customizing decision	009						Finished	22.02.2...	16:04:24	22.02.2...	16:16:42		
Generate translation for customizing tables	0000000035			1 D01			Finished	22.02.2...	16:04:24	22.02.2...	16:16:42		

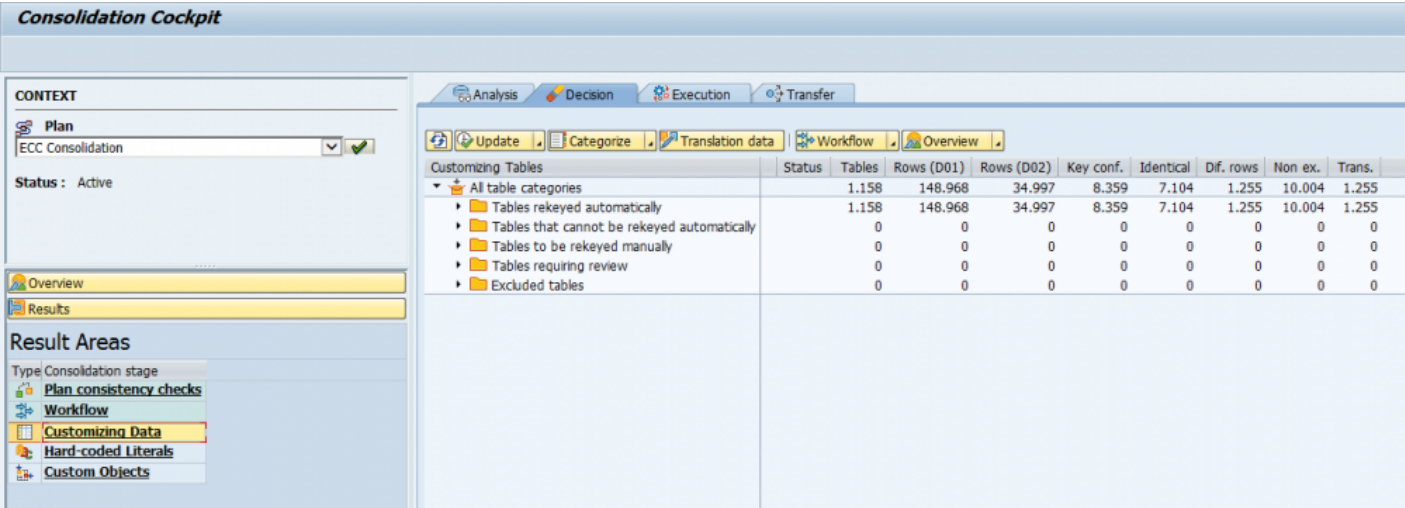
Results


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.

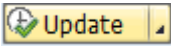
Once the Analysis programs have run from the [Operation](#) section it is time to view the results, go to the 'Results' drawer and select the 'Customizing Data' and click the 'Decision' tab.

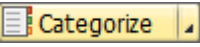
The results are broken down by the following categories, this phase only includes the root tables identified by Consolidator.

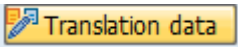
- Tables rekeyed automatically – The table can be rekeyed automatically without any involvement from the user
- Tables that cannot be rekeyed automatically – The table has a limit of keys that can be added, for example, tables that only have a key of client (MANDT) so only one entry per client is allowed
- 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




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  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  allows to to re-categorize a table by highlighting it and selecting the new category you require from the list.

The 'Translation Data' button  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.

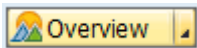
Translation data : Plan 0000000032

 Export

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	TA	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	ETTP	ETTP	ETTP	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  allows the user to open and close this phase.

The 'Overview' button  allows the user to view the reports for this phase, see the [Reporting](#) 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.

Customizing Tables	Status	Tables	Rows (D01)	Rows (D02)	Key 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
SRM_PROP_QUER_CU	Not transla...	1	0	0	0	0	0	0	0
SRM_PROP_VISL_CU	Not transla...	1	0	0	0	0	0	0	0
SRM_PROP_VISU_CU	Not transla...	1	0	0	0	0	0	0	0
SRSERVER	Not transla...	1	0	0	0	0	0	0	0
SRTFT_ASSIGN_IF	Not transla...	1	0	0	0	0	0	0	0
SRTFT_ASSIGN_SEC	Not transla...	1	0	0	0	0	0	0	0
SRTFT_NM_CFG_MAP	Failed	1	0	0	0	0	0	0	0
SRTFT_QUEUE	To confirm	1	0	0	0	0	0	0	0
SRTFT_QUEUE_LG_T	Not transla...	1	0	0	0	0	0	0	0
SRTFT_QUEUE_LOG	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
SRT_ALT_HOSTS	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

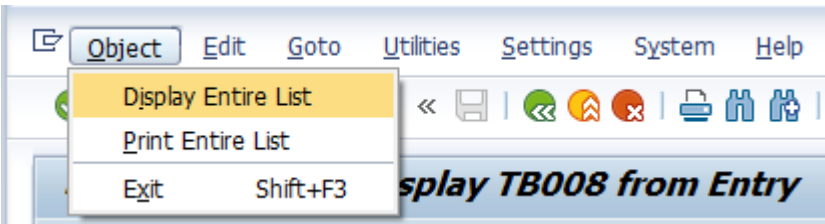
On a table row all of the numbers in the columns apart from 'Table' the data can be clicked and reviewed.

Analysis Decision Execution Transfer										
Update Categorize Translation data Workflow Overview										
Customizing Tables	Status	Tables	Rows (D01)	Rows (D02)	Key conf.	Identical	Dif. rows	Non ex.	Trans.	
SRM_PROP_MT_I_CU	Not tr...	1	0	0	0	0	0	0	0	
SRM_PROP_MT_S_CU	Not tr...	1	0	0	0	0	0	0	0	
SRM_PROP_MT_T_CU	Not tr...	1	0	0	0	0	0	0	0	
SRM_PROP_QUER_CU	Not tr...	1	0	0	0	0	0	0	0	
SRM_PROP_VISL_CU	Not tr...	1	0	0	0	0	0	0	0	
SRM_PROP_VISU_CU	Not tr...	1	0	0	0	0	0	0	0	
SRSERVER	Not tr...	1	0	0	0	0	0	0	0	
SRTFT_ASSIGN_IF	Not tr...	1	0	0	0	0	0	0	0	
SRTFT_ASSIGN_SEC	Not tr...	1	0	0	0	0	0	0	0	
SRTFT_NM_CFG_MAP	Failed	1	0	0	0	0	0	0	0	
SRTFT_QUEUE	To co...	1	0	0	0	0	0	0	0	
SRTFT_QUEUE_LG_T	Not tr...	1	0	0	0	0	0	0	0	
SRTFT_QUEUE_LOG	Manual	1	0	0	0	0	0	0	0	
SRTVCORREL	Ignore	1	0	0	0	0	0	0	0	
SRTVEXTID	Not tr...	1	774	1.102	774	774	0	0	0	
SRTVLEXENT	Transl...	1	3.094	5.818	2.997	2.023	974	97	974	
SRTVLEXICO	Transl...	1	2	2	2	0	2	0	2	
SRTVOCCUR	Transl...	1	11.161	22.984	1.425	1.146	279	9.736	279	
SRTVSTOPLS	Not tr...	1	0	0	0	0	0	0	0	
SRT_ALT_HOSTS	Not tr...	1	0	0	0	0	0	0	0	

Example of results retrieved.

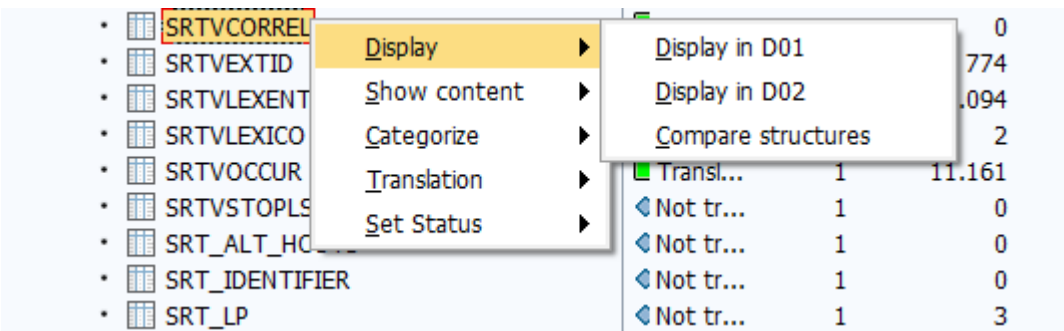
Structure Editor: Display SRTVLEXICO from Entry 1

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.

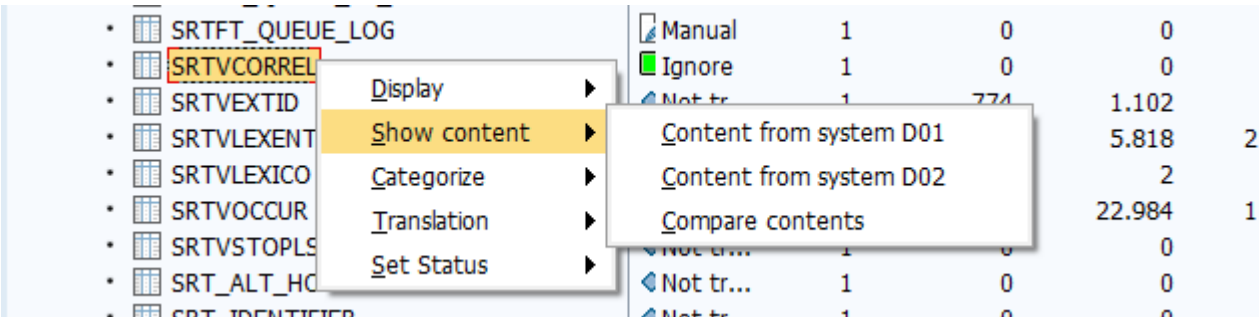


There are also a number of options seen by using a right mouse click on a table.

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



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



Data comparison option as below:

Table TB003

Display Filter source Filter target Structure Translation data

Original content (D01): 118 entrie(s)

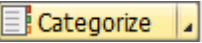
CLIENT	ROLE	ROLECATEGORY	STND_ROLECAT	BPVIEW	XSUPPRESS	POSNR
100	000000					000000
100	BBP000	BBP000	X			
100	BBP001	BBP001				
100	BBP002	BBP002	X			
100	BBP003	BBP003	X			
100	BBP004	BBP004	X			
100	BBP005	BBP005	X			
100	BBP006	BBP006	X			
100	BK0010	BK0010	X		F50001	
100	BK0020	BK0020	X		F50001	
100	BK0030	BK0030	X		F50001	
100	BK0000	BK0000	X		F50001	
100	BUP001	BUP001		BUP001		
100	BUP002	BUP002	X	BUP002		
100	BUP003	BUP003	X	BUP003		
100	BUP004	BUP004	X	BUP004		
100	BUP005	BUP005	X	BUP005		
100	CACSA1	CACSA1	X	CACSA1		
100	CACSA2	CACSA2	X	CACSA2		
100	CACSA3	CACSA3	X	CACSA3		
100	CBH10	CBH10	X	CBH10		
100	CBH20	CBH20	X	CBH20		
100	CLERK1	TR0995			F50002	
100	CLERK2	TR0995			F50002	
100	CH5001	CH5001	X		F50001	
100	FLCU00	FLCU00	X	FLCU00		
100	FLCU01	FLCU01	X	FLCU01		
100	FLVN00	FLVN00	X	FLVN00		
100	FLVN01	FLVN01	X	FLVN01		
100	F50000				F50001	
100	F50003	F50003	X		F50003	
100	F500NE	F500NE	X		F50001	
100	HEA010	HEA010	X	HEA010		
100	HEA020	HEA020	X	HEA020		
100	HEA030	HEA030	X	HEA030		
100	HEA040	HEA040	X	HEA040		
100	HEA050	HEA050	X	HEA050		
100	HRL1000	HRL1000	X	HRL1000		
100	MKK	MKK	X	MKK		

Original content (D02): 8 entrie(s)

CLIENT	ROLE	ROLECATEGORY	STND_ROLECAT	BPVIEW	XSUPPRESS	POSNR
100	000000					000000
100	BUP001	BUP001		BUP001		
100	BUP002	BUP002	X	BUP002		
100	BUP003	BUP003	X	BUP003		
100	BUP004	BUP004	X	BUP004		
100	BUP005	BUP005	X	BUP005		
100	F50000				F50001	
100	ZBUPA	BUP001	X	BUP001		

Modified content: No entry

CLIENT	ROLE	ROLECATEGORY	STND_ROLECAT	BPVIEW	XSUPPRESS	POSNR
--------	------	--------------	--------------	--------	-----------	-------

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 .

- SRTFT_QUEUE_LOG
- SRTVCORREL**
- SRTVEXTID
- SRTVLEXENT
- SRTVLEXICO
- SRTVOCCUR
- SRTVSTOPLS
- SRT_ALT_HC
- SRT_IDENTIFIER
- SRT_LP
- SRT_LP_SXI_ADDR

Display

Show content

Categorize

Translation

Set Status

Manual

Ignore

Not tr...

Transl...

Automatic rekeying

Cannot be rekeyed automatically

Must be rekeyed manually

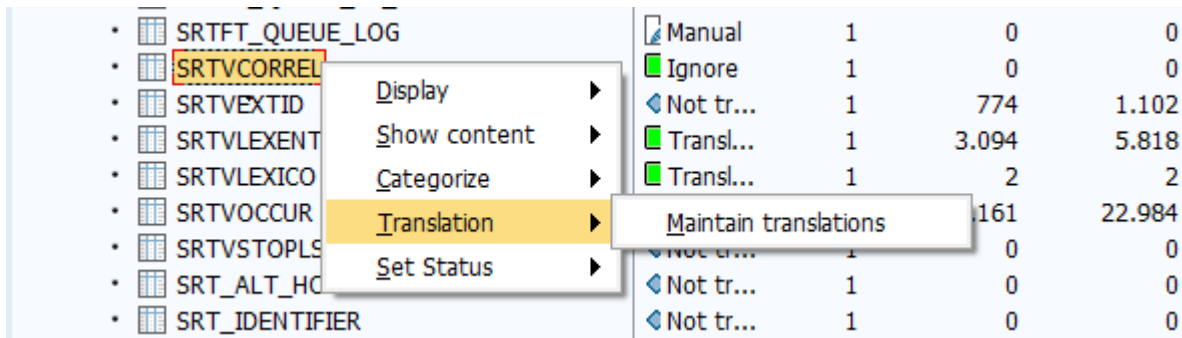
Requires review


Not tr...

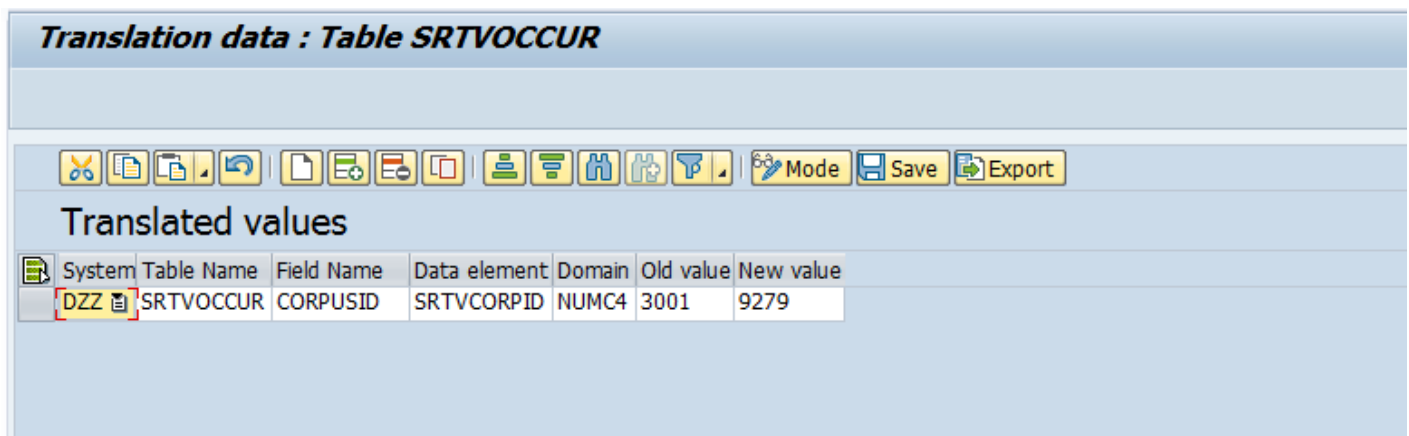
Not tr...

1	0	0
1	0	0
1	774	1.102
1	3.094	5.818
		2
		2.984
		0
		0
		0
1	3	3
1	0	0

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

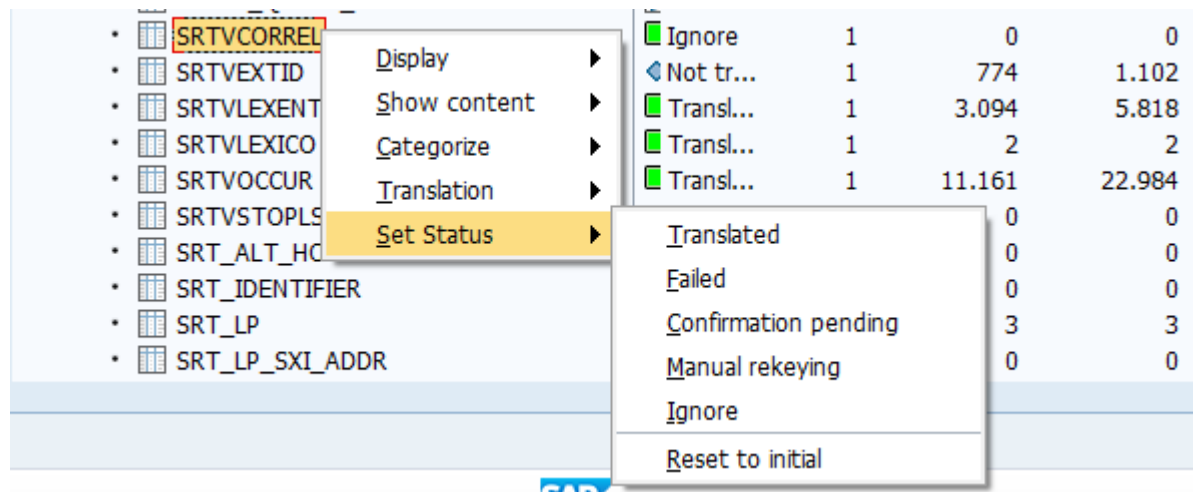



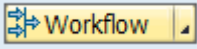
When selecting 'Maintain translations' the translations for this table are displayed and translated can be created and changed, this is similar to the 'Translation Data' button  Translation data which shows all the data translated in this phase.



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



When you have reviewed the translations and are certain you are ready to close the phase use the  option on the 'Workflow' button  and select close phase. Continue to the next phase [Execution Phase](#)

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](#)
- [Results](#)

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

Plan
ECC Consolidation ✓

Status : Active

Overview
Results
Operation
Configuration

Configuration options

Type	Description
□	Steps
📁	Groups
🔗	Process chains
📁	Systems
📄	Plans

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 9000000027

Header

Plan name Status **Active**

Header Workflow

Open phase Close phase

Consolidation workflow

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						

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

Plan

Status: Active

Overview Results Operation

Execute Run history

Process chains

St. Chain name Op.

- Customizing analysis
- Customizing decision
- Customizing execution
- Customizing transfer
- Hard coded literals analysis

Execute Schedule











Process chain	Reference	Act.	Order	System	Select	St.	Status	St. date	St. time	End date	End time	Est. time
Customizing execution	010				<input checked="" type="checkbox"/>							
Execute translation for customizing tables	0000000036		1	D01	<input checked="" type="checkbox"/>							

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 Job overview

Process chain	Reference	Act.	Order	System	Select	St.	Status	St. date	St. time	End date	End time	Est. time
Customizing execution	010				<input checked="" type="checkbox"/>		In pro...	24.02.2...	11:03:25			
Execute translation for customizing tables	0000000036		1	D01	<input checked="" type="checkbox"/>		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  Job overview												
Process chain	Reference	Act.	Order	System	Select	St.	Status	St. date	St. time	End date	End time	Es...
▼  Customizing execution	010				✓		Finished	24.02.2016	11:03:25	24.02.2...	11:04:01	
•  Execute translation for customizing tables	0000000036		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 [Operation](#) 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

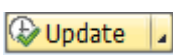
Tables requiring review – The table can be rekeyed automatically, however, it should be reviewed to ensure the integrity of the system

Non root tables – The non root tables

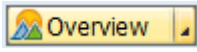
Excluded tables – Tables that were excluded during the Analysis phase

Analysis Decision Execution Transfer										
Update Workflow Overview										
Customizing Tables										
Status	Tables	Rows (D01)	Rows (D02)	Key conf.	Identical	Dif. rows	Non ex.	Trans.	Modif.	
▼ All table categories	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	

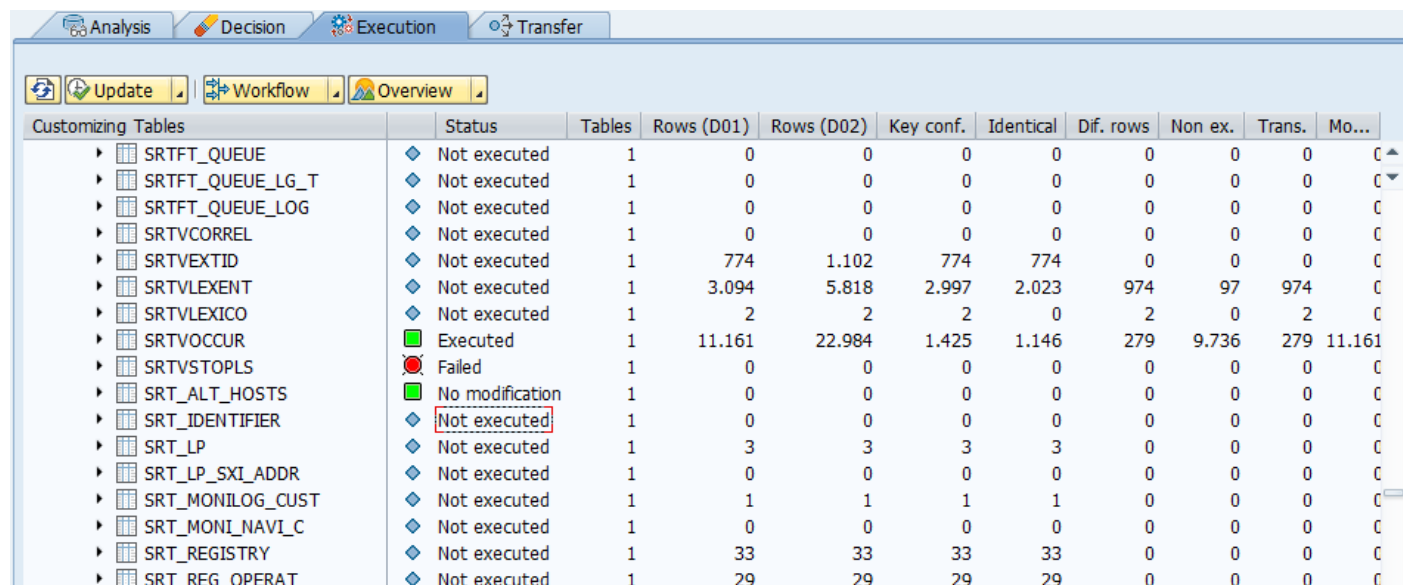
The buttons on this screen operate by clicking the right hand down arrow  details on what each button does are as below.

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

The 'Overview' button  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.



Customizing Tables	Status	Tables	Rows (D01)	Rows (D02)	Key conf.	Identical	Dif. rows	Non ex.	Trans.	Mo...
SRTFT_QUEUE	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	0
SRTVCORREL	Not executed	1	0	0	0	0	0	0	0	0
SRTVEXTID	Not executed	1	774	1.102	774	774	0	0	0	0
SRTVLEXENT	Not executed	1	3.094	5.818	2.997	2.023	974	97	974	0
SRTVLEXICO	Not executed	1	2	2	2	0	2	0	2	0
SRTVOCCUR	Executed	1	11.161	22.984	1.425	1.146	279	9.736	279	11.161
SRTVSTOPLS	Failed	1	0	0	0	0	0	0	0	0
SRT_ALT_HOSTS	No modification	1	0	0	0	0	0	0	0	0
SRT_IDENTIFIER	Not executed	1	0	0	0	0	0	0	0	0
SRT_LP	Not executed	1	3	3	3	3	0	0	0	0
SRT_LP_SXI_ADDR	Not executed	1	0	0	0	0	0	0	0	0
SRT_MONILOG_CUST	Not executed	1	1	1	1	1	0	0	0	0
SRT_MONI_NAVI_C	Not executed	1	0	0	0	0	0	0	0	0
SRT_REGISTRY	Not executed	1	33	33	33	33	0	0	0	0
SRT_REG_OPERAT	Not executed	1	29	29	29	29	0	0	0	0

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.

Analysis Decision Execution Transfer											
Update Workflow Overview											
Customizing Tables	Status	Tables	Rows (CN1)	Rows (CN2)	Key conf.	Identical	Dif. rows	Non ex.	Trans.	Modif.	
▼ All table categories		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 rev		0	0	0	0	0	0	0	0	0	
▼ Non root tables		198	191,163	891,802	191,062	181,715	9,347	101	0	1,654	
• BLK_REASON_T	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	1,554	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.

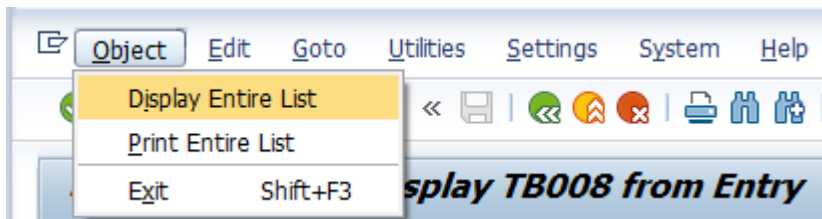
Structure Editor: Display C002 from Entry 1

Column Entry Metadata

1554 Entries

MAN	KA	KSCH	KTOP	VKOR	KT	KVS	SAKN1	SAKN2
800	V	KOFI	CACA	0001	02	ERL		
800	V	KOFI	CACA	0001	03	ERL		
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 Transfer											
Update Workflow Overview											
Customizing Tables	Status	Tables	Rows (CN1)	Rows (CN2)	Key conf.	Identical	Dif. rows	Non ex.	Trans.	Modif.	
• T16LC	Not executed	1	403	403	403	403	0	0	0	0	
• T16LH	Not executed	1	8	8	8	8	0	0	0	0	
• T16LI	Not executed	1	13	13	13	13	0	0	0	0	
• T16LL	Not executed	1	39	39	39	39	0	0	0	0	
• T170	Not executed	1	0	0	0	0	0	0	0	0	
• T175DP_STATE	Not executed	1	0	0	0	0	0	0	0	0	
• T175DP_TEXT	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	Not executed	1	72	72	72	72	0	0	0	0	
• T410	Not executed	1	7	7	7	7	0	0	0	0	

Example of results retrieved.

Structure Editor: Display T184 from Entry 1																	
Column Entry Metadata																	
255 Entries																	
MAN	AUAR	MIPO	VWPO	UEPS	PSTY	PSTY	PSTY	PSTY	PSTY	PSTY	PSTY	PSTY	PSTY	PSTY	PSTY	PSTY	ERNAM
800	X001				0001												BACH
800	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.

▶	SXMSINTERFACE	◆ Not executed	1	0	0	0
▶	SXMSMSGFILTER	◆ Not executed	1	0	0	0
▶	SXMS_BCFG_MAST	◆ Not executed	1	2	2	2
▶	SXMS_EOIO_STA	◆ Not executed	1	0	0	0
▶	SXNODES	◆ Not executed	1	0	1	1
▶	SXPARAMS	◆ Not executed	1	0	1	1
▶	SXPGBTCINF	◆ Not executed	1	0	0	0
▶	SXPGCOSTAB	◆ Not executed	1	3	0	0
▶	SXTELMOIN	◆ Not executed	1	0	0	0
▶	SYSCOMP_RUN	◆ Not executed	1	19	0	0

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

▶	SXMSINTERFACE	◆ Not executed	1	0	0	0	0
▶	SXMSMSGFILTER	◆ Not executed	1	0	0	0	0
▶	SXMS_BCFG_MAST	◆ Not executed	1	2	2	2	2
▶	SXMS_EOIO_STA	◆ Not executed	1	0	0	0	0
▶	SXNODES	◆ Not executed	1	0	1	1	1
▶	SXPARAMS	◆ Not executed	1	0	1	1	1
▶	SXPGBTCINF	◆ Not executed	1	0	0	0	0
▶	SXPGCOSTAB	◆ Not executed	1	3	0	0	0
▶	SXTELMOIN	◆ Not executed	1	0	0	0	0
▶	SYSCOMP_RUN	◆ Not executed	1	19	0	0	0
▶	T000	◆ Not executed	1	5	4	4	4

Compare data option as below:

Table TB003

Display Filter source Filter target Structure Translation data

Original content (D01): 118 entrie(s)

CLIENT	ROLE	ROLECATEGORY	STND	ROLECAT	BPVIEW	XSUPPRESS	POSNR
100	000000						000000
100	BBP000	BBP000		X			
100	BBP001	BBP001					
100	BBP002	BBP002		X			
100	BBP003	BBP003		X			
100	BBP004	BBP004		X			
100	BBP005	BBP005		X			
100	BBP006	BBP006		X			
100	BK0010	BK0010		X		F50001	
100	BK0020	BK0020		X		F50001	
100	BK0030	BK0030		X		F50001	
100	BK00200	BK00200		X		F50001	
100	BUP001	BUP001					BUP001
100	BUP002	BUP002		X			BUP002
100	BUP003	BUP003		X			BUP003
100	BUP004	BUP004		X			BUP004
100	BUP005	BUP005		X			BUP005
100	CACSA1	CACSA1		X			CACSA1
100	CACSA2	CACSA2		X			CACSA2
100	CACSA3	CACSA3		X			CACSA3
100	CBH10	CBH10		X			CBH10
100	CBH20	CBH20		X			CBH20
100	CLERK1	TR0995				F50002	
100	CLERK2	TR0995				F50002	
100	CH5001	CH5001		X		F50001	
100	FLCU00	FLCU00		X			FLCU00
100	FLCU01	FLCU01		X			FLCU01
100	FLVN00	FLVN00		X			FLVN00
100	FLVN01	FLVN01		X			FLVN01
100	F50000					F50001	
100	F50003	F50003		X		F50003	
100	F500NE	F500NE		X		F50001	
100	HEAD10	HEAD10		X			HEAD10
100	HEAD20	HEAD20		X			HEAD20
100	HEAD30	HEAD30		X			HEAD30
100	HEAD40	HEAD40		X			HEAD40
100	HEAD50	HEAD50		X			HEAD50
100	HR1000	HR1000		X			HR1000
100	MKK	MKK		X			MKK

Original content (D02): 8 entrie(s)

CLIENT	ROLE	ROLECATEGORY	STND	ROLECAT	BPVIEW	XSUPPRESS	POSNR
100	000000						000000
100	BUP001	BUP001					BUP001
100	BUP002	BUP002		X			BUP002
100	BUP003	BUP003		X			BUP003
100	BUP004	BUP004		X			BUP004
100	BUP005	BUP005		X			BUP005
100	F50000					F50001	
100	ZBUPA	BUP001		X			BUP001

Modified content: No entry

CLIENT	ROLE	ROLECATEGORY	STND	ROLECAT	BPVIEW	XSUPPRESS	POSNR
--------	------	--------------	------	---------	--------	-----------	-------

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

▶	SXMSMSGFILTER	◆	Not executed	1	0	0
▶	SXMS_BCFG_MAST	◆	Not executed	1	2	2
▶	SXMS_EOIO_STA	▶	uted	1	0	0
▶	SXNODES	▶	uted	1	1	1
▶	SXPARAMS					1
▶	SXPGBTCINF					0
▶	SXPGCOSTAB					0
▶	SXTELMOIN	◆	Not executed	1	0	0
▶	SYSCOMP_RUN	◆	Not executed	1	19	0

Display

Show content

Translation

Set Status

Show translations

Translations impact

The translation impact.

Translation data impacting T184

Plan ID	System	Data elem.	Value	Value	Table	Field	Domain	By	Changed on
0000000032	0016	AUART	01	X001	TVAK	AUART	AUART	ABEKKAT	18.02.2016
0000000032	0016	AUART	AG	X002	TVAK	AUART	AUART	ABEKKAT	18.02.2016
0000000032	0016	AUART	TA	X003	TVAK	AUART	AUART	ABEKKAT	18.02.2016
0000000032	0016	AUART	ZAB	X004	TVAK	AUART	AUART	ABEKKAT	18.02.2016

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 executed	1	0	0	0
▶ SXMS_BCFG_MAST	◆ Not executed	1	2	2	2
▶ SXMS_EOIO_STA	Display ▶	uted	1	0	0
▶ SXNODES	Show content ▶	uted	1	1	1
▶ SXPARAMS	Translation ▶	uted	1	1	1
▶ SXPGBTCINF	Set Status ▶		0	0	0
▶ SXPGCOSTAB			3	0	0
▶ SXTELMOIN	◆ Not exe		0	0	0
▶ SYSGOMP_RUN	◆ Not exe		19	0	0
▶ T000	◆ Not exe		5	4	4
▶ T002_SUBSTITUTE	◆ Not executed		0	0	0
▶ T006D	◆ Not executed	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 and select close phase. Continue to the next phase [Transfer Phase](#)

Transfer Phase

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

- [Operation](#)
- [Results](#)

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.

The screenshot shows the 'Configuration' drawer with the following elements:

- CONTEXT** section:
 - Plan**: A dropdown menu showing 'ECC Consolidation' with a green checkmark icon to its right.
 - Status**: Active
- A list of tabs: Overview, Results, Operation, and Configuration. The 'Configuration' tab is highlighted in yellow.
- Configuration options** section:
 - A table with two columns: 'Type' and 'Description'.
 - The table contains five rows: 'Steps', 'Groups', 'Process chains', 'Systems', and 'Plans'. The 'Plans' row is highlighted in yellow.

Type	Description
	Steps
	Groups
	Process chains
	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 9000000027

Header

Plan name Status Active

Header Workflow

Open phase Close phase

Consolidation workflow

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

Plan

Status: Active

Overview Results Operation

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	

Process chain

Reference	Act.	Order	System	Select	St.	Status	St. date	St. time	End date	End time	E..
011						Pending					
0000000037		1	D01			Pending					
0000000038		2	D01			Pending					

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 [Results](#) screen.

Consolidation Cockpit

CONTEXT

Plan
ECC Consolidation

Status: Active

Overview
Results
Operation

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	

Back Abort Log Job overview

Process chain	Reference	Act.	Order	System	St.	Status	St. date	St. time	End date	End time	Est. time
Customizing transfer	011					Finished	29.02.2016	10:04:10	29.02.2016	10:16:43	
Create table content transport	0000000037		1	D01		Finished	29.02.2016	10:04:10	29.02.2016	10:12:07	
Copy table content transport to remote system	0000000038		2	D01		Finished	29.02.2016	10:12:07	29.02.2016	10:16:43	

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 [Operation](#) 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

Plan

ECC Consolidation

Status: Active

Overview

Results

Result Areas

Type Consolidation stage

Plan consistency checks

Workflow

Customizing Data

Hard-coded Literals

Custom Objects

Operation


Configuration

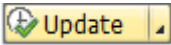
About

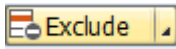
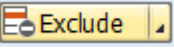
AnalysisDecisionExecutionTransfer

UpdateExcludeWorkflowOverview

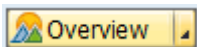
Customizing Tables	Status	Excl.	Tables	Rows (D01)	Rows (D02)	Key conf.	Iden...	Dif. rows	Non ex.	Trans.	Modif.	
All table categories				128	1.066.961	186.870	142.374	141.115	1.259	23.382	1.253	11.161
Modified content and non existing				1	11.161	22.984	1.425	1.146	279	9.736	279	11.161
SRTVOCCUR	Transferred			1	11.161	22.984	1.425	1.146	279	9.736	279	11.161
Modified content only				0	0	0	0	0	0	0	0	0
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
CREP_R3DB	Transferred			1	86	56	55	55	0	1	0	0
DBCONUSR	Transferred			1	1	1	0	0	0	1	0	0
HRP1002	Transferred			1	3	3	2	2	0	1	0	0
HRT1002	Transferred			1	1	2	0	0	0	1	0	0
OPSYSTEM	Transferred			1	25	22	21	21	0	1	0	0
PARAMVALUE	Transferred			1	6	6	5	5	0	1	0	0
SDBSYSTEMS	Transferred			1	1	1	0	0	0	1	0	0
SDOKDOCSP	Transferred			1	20	19	18	18	0	1	0	0
SDOKSTCAE	Transferred			1	118	83	82	82	0	1	0	0
SSM_STAT	Transferred			1	2	1	0	0	0	1	0	0
SWFDEV TYP	Transferred			1	659	50	49	49	0	1	0	0
SXROUTE	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
T77RO	Transferred			1	6	5	4	4	0	1	0	0

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

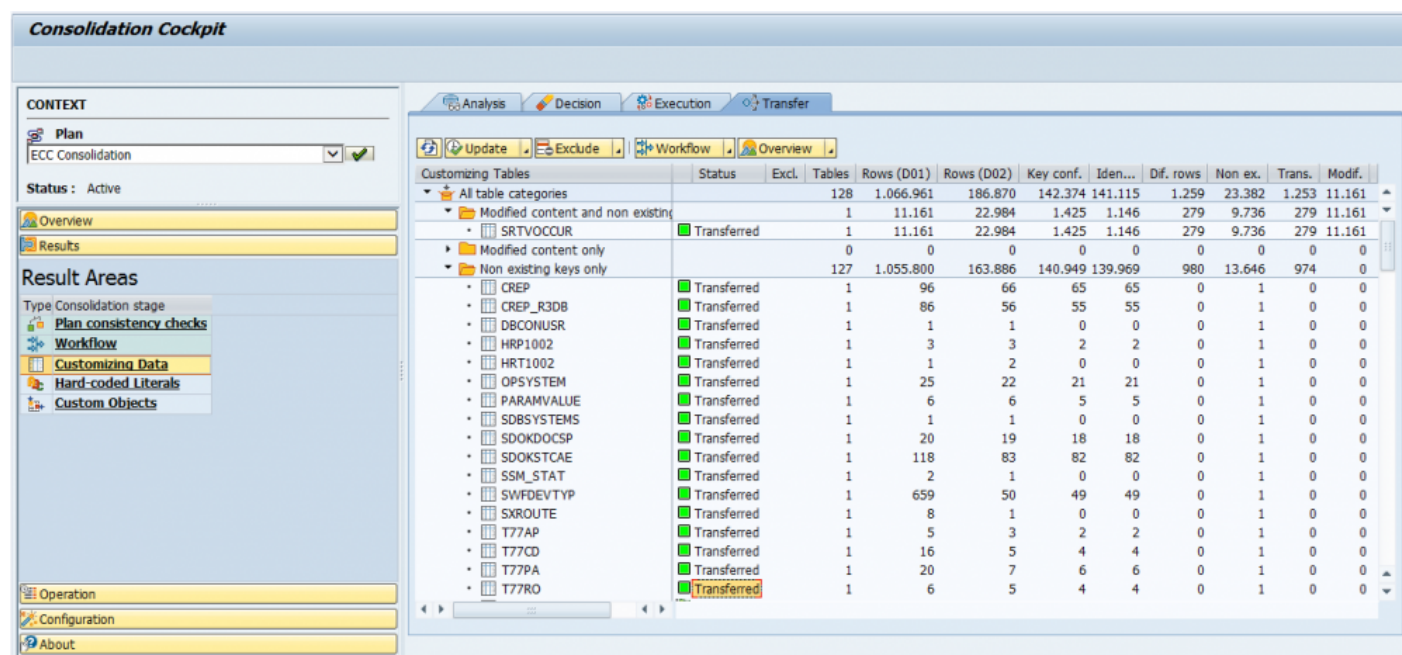
The 'Update' button  allows the user to run the programs for this phase individually, however, it is recommended the user does not use this and completes this through the operation drawer as this adds greater clarity.

The 'Exclude' button  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  in the analysis phase.

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

The 'Overview' button  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.



	Status	Excl	Tables	Rows (D01)	Rows (D02)	Key conf.	Idem...	Dif. rows	Non ex.	Trans.	Modif.
All table categories			128	1.066.961	186.870	142.374	141.115	1.259	23.382	1.253	11.161
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
Modified content only			0	0	0	0	0	0	0	0	0
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
CREP_R3DB	Transferred		1	86	56	55	55	0	1	0	0
DBCONUSR	Transferred		1	1	1	0	0	0	1	0	0
HRP1002	Transferred		1	3	3	2	2	0	1	0	0
HRT1002	Transferred		1	1	2	0	0	0	1	0	0
OPSYSTEM	Transferred		1	25	22	21	21	0	1	0	0
PARAMVALUE	Transferred		1	6	6	5	5	0	1	0	0
SDBSYSTEMS	Transferred		1	1	1	0	0	0	1	0	0
SDOKDOCSP	Transferred		1	20	19	18	18	0	1	0	0
SDOKSTCAE	Transferred		1	118	83	82	82	0	1	0	0
SSM_STAT	Transferred		1	2	1	0	0	0	1	0	0
SWFDEVITYP	Transferred		1	659	50	49	49	0	1	0	0
SXROUTE	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
T77RO	Transferred		1	6	5	4	4	0	1	0	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
TVKVT	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
T16FK	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

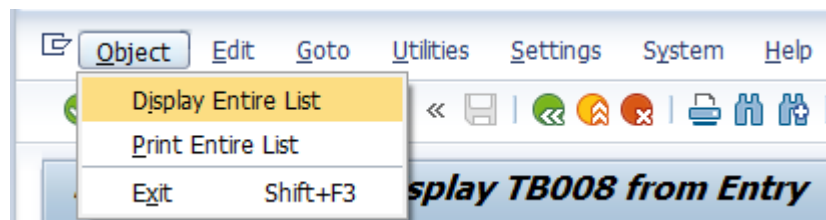
Example of results retrieved.

Structure Editor: Display TVKVT from Entry 1

762 Entries

MAN	S	K	VTEXT
800	1	*	Service Dlvry Innov
800	1	+	SP outbound order
800	1	1	Pharma ConsFillup
800	1	3	WP PRICING
800	1	4	SP: Contract
800	1	5	SP: Cost Plus DMR
800	1	6	SP: Time & Matl DMR
800	1	8	####
800	1	9	CRM
800	1	A	##

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.

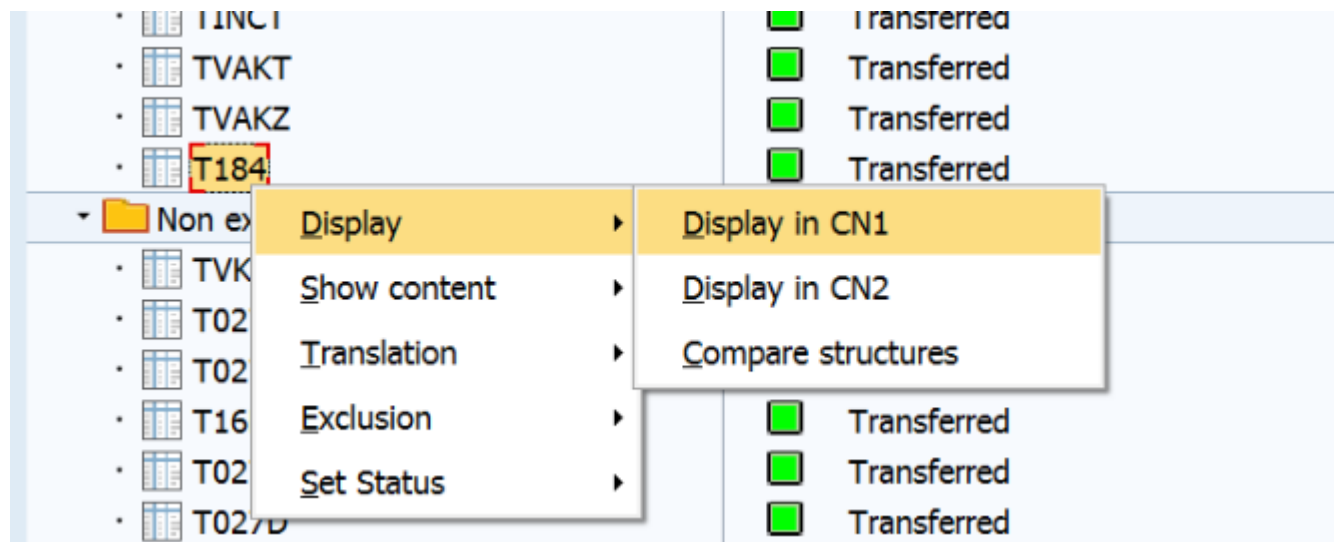
Anal... Decision Execution Trans...												
Update Exclude Workflow Overview												
Customizing Tables		Status	Excl.	Tables	Rows (CN1)	Rows (CN2)	Key conf.	Identical	Dif. rows	Non ex.	Trans.	Modif.
All table categories				20	56,333	649,507	56,231	53,558	2,673	102	19	1,703
Modified content and non existing keys				1	15,000	607,099	14,999	14,999	0	1	0	750
TVCPA		Transferred		1	15,000	607,099	14,999	14,999	0	1	0	750
Modified content only				13	39,951	41,026	39,951	37,487	2,464	0	19	953
TCA44		Transferred		1	2	2	2	2	0	0	0	1
TVEP		Transferred		1	88	88	88	87	1	0	1	1
TVFK		Transferred		1	133	133	133	131	2	0	2	2
TINC		Transferred		1	16	16	16	12	4	0	4	4
TVASP		Transferred		1	353	353	353	353	0	0	0	7
TCA43		Transferred		1	21	21	21	13	8	0	8	16
TVAK		Transferred		1	320	320	320	316	4	0	4	26
TVFKT		Transferred		1	3,548	3,548	3,548	3,548	0	0	0	62
TVEPZ		Transferred		1	1,786	1,786	1,786	1,786	0	0	0	111
TINCT		Transferred		1	560	560	560	560	0	0	0	124
TVAKT		Transferred		1	8,101	8,101	8,101	5,656	2,445	0	0	124
TVAKZ		Transferred		1	15,000	16,075	15,000	15,000	0	0	0	220
T184		Transferred		1	10,023	10,023	10,023	10,023	0	0	0	255

Example of results retrieved.

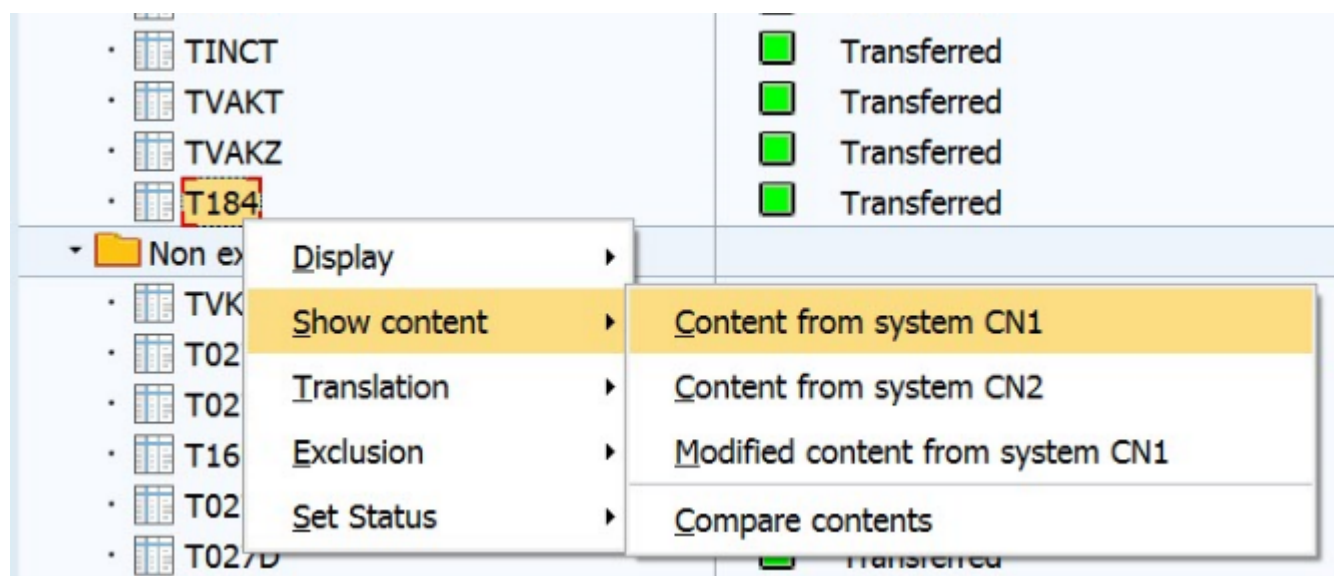
Structure Editor: Display T184 from Entry 1																	
Column Entry Metadata																	
255 Entries																	
MAN	AUAR	MIPO	VWPO	UEPS	PSTY	PSTY	PSTY	PSTY	PSTY	PSTY	PSTY	PSTY	PSTY	PSTY	PSTY	PSTY	ERNAM
800	X001				0001												BACH
800	X002		TEXT		AGTX												BACH
800	X002	0002			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.



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



Compare data option as below:

Table TB003

DisplayFilter sourceFilter targetStructureTranslation data

Original content (D01): 118 entrie(s)

CLIENT	ROLE	ROLECATEGORY	STND	ROLECAT	BPVIEW	XSUPPRESS	POSNR
100	000000						000000
100	BBP000	BBP000		X			
100	BBP001	BBP001					
100	BBP002	BBP002		X			
100	BBP003	BBP003		X			
100	BBP004	BBP004		X			
100	BBP005	BBP005		X			
100	BBP006	BBP006		X			
100	BK0010	BK0010		X		F50001	
100	BK0020	BK0020		X		F50001	
100	BK0030	BK0030		X		F50001	
100	BK00200	BK00200		X		F50001	
100	BUP001	BUP001					BUP001
100	BUP002	BUP002		X			BUP002
100	BUP003	BUP003		X			BUP003
100	BUP004	BUP004		X			BUP004
100	BUP005	BUP005		X			BUP005
100	CACSA1	CACSA1		X			CACSA1
100	CACSA2	CACSA2		X			CACSA2
100	CACSA3	CACSA3		X			CACSA3
100	CBH10	CBH10		X			CBH10
100	CBH20	CBH20		X			CBH20
100	CLERK1	TRO995				F50002	
100	CLERK2	TRO995				F50002	
100	CH5001	CH5001		X			F50001
100	FLCU00	FLCU00		X			FLCU00
100	FLCU01	FLCU01		X			FLCU01
100	FLVN00	FLVN00		X			FLVN00
100	FLVN01	FLVN01		X			FLVN01
100	F50000						F50001
100	F50003	F50003		X			F50003
100	F500NE	F500NE		X			F50001
100	HEAD10	HEAD10		X			HEAD10
100	HEAD20	HEAD20		X			HEAD20
100	HEAD30	HEAD30		X			HEAD30
100	HEAD40	HEAD40		X			HEAD40
100	HEAD50	HEAD50		X			HEAD50
100	HRL1000	HRL1000		X			HRL1000
100	MKK	MKK		X			MKK

Original content (D02): 8 entrie(s)

CLIENT	ROLE	ROLECATEGORY	STND	ROLECAT	BPVIEW	XSUPPRESS	POSNR
100	000000						000000
100	BUP001	BUP001					BUP001
100	BUP002	BUP002		X			BUP002
100	BUP003	BUP003		X			BUP003
100	BUP004	BUP004		X			BUP004
100	BUP005	BUP005		X			BUP005
100	F50000						F50001
100	ZBUPA	BUP001		X			BUP001

Modified content: No entry

CLIENT	ROLE	ROLECATEGORY	STND	ROLECAT	BPVIEW	XSUPPRESS	POSNR
--------	------	--------------	------	---------	--------	-----------	-------

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

TVAR

• TVFKT

• TVEPZ

• TINCT

• TVAKT

• TVAKZ

• T184

Non ex

• TVK

• T02

• T02

• T16

• T02

• T027D

Display

Show content

Translation

Exclusion

Set Status

Transferred

Transferred

Transferred

Transferred

Transferred

Transferred

Transferred

Transferred

Transferred

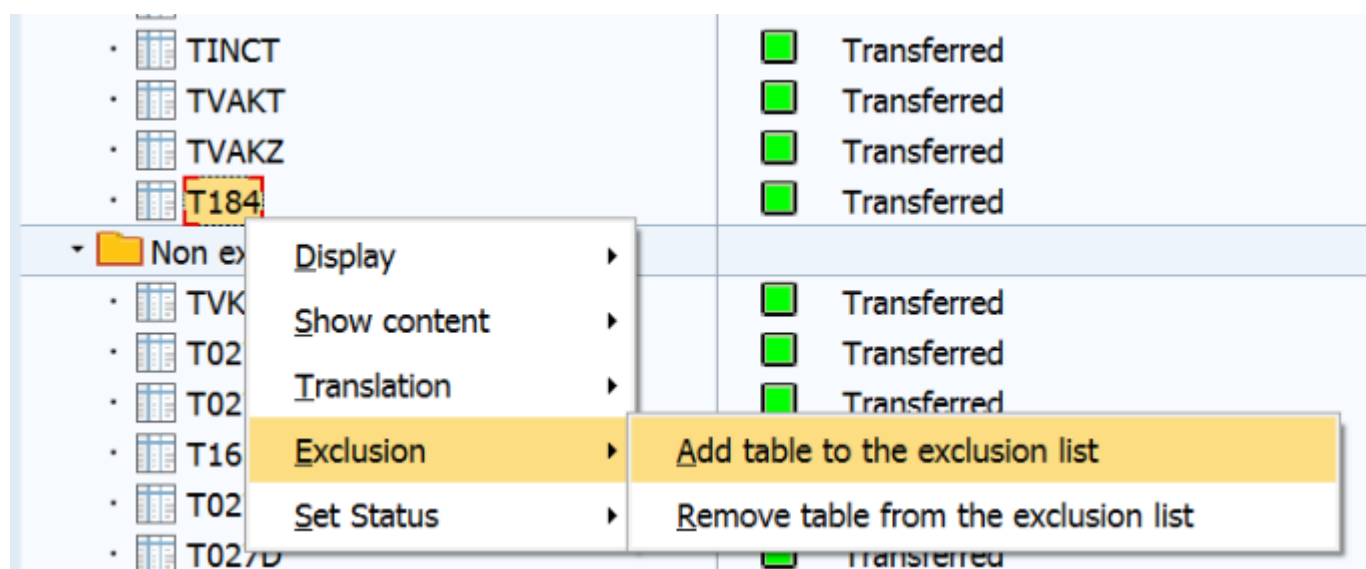
Transferred

Transferred

The translation impact.

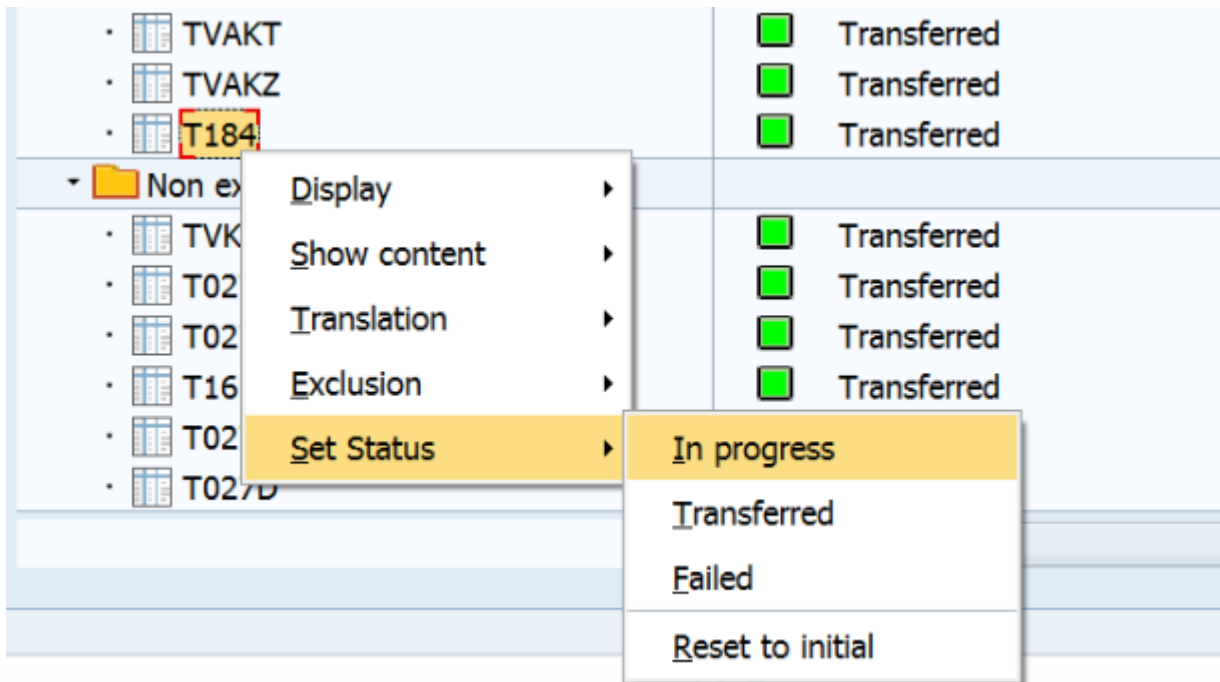
Translation data impacting T184									
Plan ID	System	Data elem.	Value	Value	Table	Field	Domain	By	Changed on
0000000032	0016	AUART	01	X001	TVAK	AUART	AUART	ABEKKAT	18.02.2016
0000000032	0016	AUART	AG	X002	TVAK	AUART	AUART	ABEKKAT	18.02.2016
0000000032	0016	AUART	TA	X003	TVAK	AUART	AUART	ABEKKAT	18.02.2016
0000000032	0016	AUART	ZAB	X004	TVAK	AUART	AUART	ABEKKAT	18.02.2016


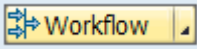
The 'Exclusion' option allows the user to exclude tables from the transfer.



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 has 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



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

Hard Code Literals



Note this stage should not start until the [Customizing Data](#) has completed the [Decision Phase](#)

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](#)
- [Results](#)


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 the [Customizing Data](#) has completed the [Decision Phase](#)


CONTEXT


 **Plan**
ECC Consolidation ☒

Status : Active






 Overview

 Results

 Operation

 Configuration

Configuration options

Type	Description
	<u>Steps</u>
	<u>Groups</u>
	<u>Process chains</u>
	<u>Systems</u>
	<u>Plans</u>

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

Display of plan 9000000027

Header

Plan name Status **Active**

Header Workflow

Open 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						
	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 phase is now open for operations.

Display of plan 9000000027

Header

Plan name: ECC Consolidation Status: Active

Header Workflow

Open 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						
	Hard coded literals	Analysis		Open	TENGLAND	13.02.2016		
	Hard coded literals	Decision						
	Hard coded literals	Execution						
	Custom objects	Analysis						
	Custom objects	Decision						
	Custom objects	Execution						
	Custom objects	Transfer						

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

Plan
ECC Consolidation

Status: Active

Overview
Results
Operation

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	

Execute Schedule

Process chain	Reference	Act.	Order	System	Select	St.	Status	St. date	St. time	End date	End time	Est. ...
Hard coded literals analysis	002											
Hard coded literals analysis	0000000003		1									
Hard coded literals - System A	0000000009		1 D01									
Hard coded literals - System B	0000000010		2 D02									
Retrieve hard coded literals - System A	0000000011		3 D01									
Retrieve hard coded literals - System B	0000000012		4 D01									
Hard coded literals analysis - System A	0000000013		5 D01									
Hard coded literals analysis - System B	0000000014		6 D01									

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

Consolidation Cockpit

CONTEXT

Plan
ECC Consolidation

Status: Active

Overview
Results
Operation

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	

Abort Log Job overview

Process chain	Reference	Act.	Order	System	Select	St.	Status	St. date	St. time	End date	End time	Est. ...
Hard coded literals analysis	002						Pending					
Hard coded literals analysis	0000000003		1				Pending					
Hard coded literals - System A	0000000009		1 D01				Pending					
Hard coded literals - System B	0000000010		2 D02				Pending					
Retrieve hard coded literals - System A	0000000011		3 D01				Pending					
Retrieve hard coded literals - System B	0000000012		4 D01				Pending					
Hard coded literals analysis - System A	0000000013		5 D01				Pending					
Hard coded literals analysis - System B	0000000014		6 D01				Pending					

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

Consolidation Cockpit

CONTEXT

Plan
ECC Consolidation

Status: Active

Overview

Results

Operation

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	

Process chain

Reference	Act.	Order	System	Select	St.	Status	St. date	St. time	End date	End time	Es...
002						Finished	13.02.2016	23:24:31	13.02.2016	23:36:27	
0000000003		1				Finished	13.02.2016	23:24:31	13.02.2016	23:31:17	
0000000009		1 D01				Finished	13.02.2016	23:31:17	13.02.2016	23:31:57	
0000000010		2 D02				Finished	13.02.2016	23:31:57	13.02.2016	23:32:02	
0000000011		3 D01				Finished	13.02.2016	23:32:02	13.02.2016	23:32:07	
0000000012		4 D01				Finished	13.02.2016	23:32:07	13.02.2016	23:33:18	
0000000013		5 D01				Finished	13.02.2016	23:33:18	13.02.2016	23:36:27	
0000000014		6 D01				Finished	13.02.2016	23:36:27	13.02.2016	23:36:27	

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

Plan
ECC Consolidation

Status: Active

Overview

Results

Operation

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	

Run history : Hard coded literals analysis

Runtime ID	System A	System B	Created by	St.	Status	Last step	Start date	Start time	End date	End time	Job name	Job no.
00001	System DZZ (D01)	Test system (D02)	TEINGLAND		Finished	0000000014	13.02.2016	23:24:31	13.02.2016	23:36:27	CONSOLIDATOR	2323070

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

Consolidation Cockpit

CONTEXT

Plan
ECC Consolidation

Status: Active

Overview

Results

Operation

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	

Back Abort Log Job overview

Process chain	Reference	Act.	Order	System	St.	Status	St. date	St. time	End date	End time	Est. time	Es...
Hard coded literals analysis	002					Finished	13.02.2...	23:24:31	13.02.2...	23:36:27		
Hard coded literals analysis	0000000003		1									
Hard coded literals - System A	0000000009		1	D01		Finished	13.02.2...	23:24:31	13.02.2...	23:31:17	100	
Hard coded literals - System B	0000000010		2	D02		Finished	13.02.2...	23:31:17	13.02.2...	23:31:57	100	
Retrieve hard coded literals - System A	0000000011		3	D01		Finished	13.02.2...	23:31:57	13.02.2...	23:32:02		
Retrieve hard coded literals - System B	0000000012		4	D01		Finished	13.02.2...	23:32:02	13.02.2...	23:32:07		
Hard coded literals analysis - System A	0000000013		5	D01		Finished	13.02.2...	23:32:07	13.02.2...	23:33:18	100	
Hard coded literals analysis - System B	0000000014		6	D01		Finished	13.02.2...	23:33:18	13.02.2...	23:36:27	100	

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 [Operation](#) 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

Plan

ECC Consolidation

Status: Active

Overview

Results

Result Areas

Type Consolidation stage

Plan consistency checks

Workflow

Customizing Data


Hard-coded Literals

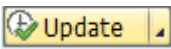
Custom Objects

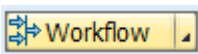
Analysis Decision Execution

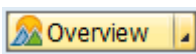
Update Workflow Overview

Hard coded literals	HCL (D...	DTL (D01)	DTL (D02)	Conf (D01)	Conf (D02)	Obj. Name
All Object Types	3.187	1.959	472	9	0	
Classes	368	372	60	4	0	
Enhancement spot implementation	0	1	0	0	0	
SAP Script	0	0	0	0	0	
Function Group	354	194	30	0	0	
Function Module	568	250	95	3	0	
Interface	1	11	1	0	0	
Workflow template	0	5	0	0	0	
Program	1.896	588	286	2	0	
Smart Form	0	8	0	0	0	
Type Group	0	530	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  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  allows the user to open and close this phase.

The 'Overview' button  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

Execution

Update

Workflow

Overview

Hard coded literals	HCL (D01)	HCL (D02)	DTL (D01)	DTL (D02)	Conf (D01)	Conf (D02)	Obj. Name	Reference	Data elem.
<div> <div>All Object Types</div> <div> <div>Classes</div> <div>Enhancement spot implementation</div> <div>SAP Script</div> <div>Function Group</div> <div>Function Module</div> <div> <div>All Literals</div> <div>All Conflicting Literals</div> <div>All Literals in System A</div> <div>All Literals in System B</div> <div>All Conflicts in System A</div> <div>All Conflicts in System B</div> </div> <div>Interface</div> <div>Workflow template</div> <div>Program</div> <div>Smart Form</div> <div>Type Group</div> </div> </div>	11.855	3.187	1.959	472	9	0			
Classes	1.458	368	372	60	4	0			
Enhancement spot implementation	36	0	1	0	0	0			
SAP Script	1	0	0	0	0	0			
Function Group	894	354	194	30	0	0			
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			
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			
Interface	11	1	11	1	0	0			
Workflow 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

Execution

Workflow

Overview

Hard coded literals	HCL (D01)	HCL (D02)	DTL (D01)	DTL (D02)	Conf (D01)	Conf (D02)	Obj. Name	Reference
<div> <div>All Object Types</div> <div> <div>Classes</div> <div>Enhancement spot implementation</div> <div>SAP Script</div> <div>Function Group</div> <div>Function Module</div> </div> </div>	11.855	3.187	1.959	472	9	0		
<div> <div>All Literals</div> <div> <div>FIELD_EXIT_TRKORR</div> <div>TABLEFRAME_YBTM</div> <div>TABLEFRAME_YBT_GUI_TAF</div> <div>TABLEFRAME_YBT_MDR_RE</div> <div>TABLEFRAME_YBT_MDR_TA</div> <div>TABLEFRAME_YBT_MDR_TA</div> <div>TABLEFRAME_YBT_MDR_TA</div> <div>TABLEFRAME_YBT_MDR_TA</div> <div>TABLEFRAME_ZBAZTABTES</div> <div>TABLEFRAME_ZBT_NS</div> <div>TABLEFRAME_ZTEST</div> <div>TABLEFRAME_ZTESTMU</div> <div>TABLEFRAME_ZTE_MS_DEF</div> <div>TABLEFRAME_ZTE_MS_TOC</div> <div>TABLEPROC_YBTM</div> </div> </div>	1.660	568	250	95	3	0		
	22	0	3	0	0	0		
	0	2	0	0	0	0		
	2	2	0	0	0	0		
	2	0	0	0	0	0		
	2	0	0	0	0	0		
	2	0	0	0	0	0		
	2	0	0	0	0	0		
	2	0	0	0	0	0		
	2	0	0	0	0	0		
	2	0	0	0	0	0		
	2	0	0	0	0	0		
	0	2	0	0	0	0		
	0	2	0	0	0	0		
	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 Execution										
Update Workflow Overview										
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				
▶ Classes	1.458	368	372	60	4	0				
▶ Enhancement spot implementation	36	0	1	0	0	0				
▶ SAP Script	1	0	0	0	0	0				
▶ Function Group	894	354	194	30	0	0				
▶ 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	3	0	3	0	3	0				
▶ All Literal types	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	3	0	3	0	3	0				
▶ All Literal types	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				

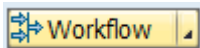
Opening up the 'All Literals in System A' or 'All Literals in System B' or 'All conflicts in System A' or 'All conflicts in System B' folders lists all of the objects of this type in the chosen system

Analysis Decision Execution							
Update Workflow Overview							
Hard coded literals	HCL (D01)	HCL (D02)	DTL (D01)	DTL (D02)	Conf (D01)	Conf (D02)	Obj. Name Reference Data e...
▼ All Object Types	11.855	3.187	1.959	472	9	0	
▶ Classes	1.458	368	372	60	4	0	
▶ Enhancement spot implementation	36	0	1	0	0	0	
▶ SAP Script	1	0	0	0	0	0	
▶ Function Group	894	354	194	30	0	0	
▼ 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	
▼ 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

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



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](#)
- [Results](#)

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.

The screenshot shows the 'Configuration' drawer with the following elements:

- CONTEXT** section:
 - Plan**: A dropdown menu showing 'ECC Consolidation' with a checkmark icon to its right.
 - Status**: Active
- A list of tabs: Overview, Results, Operation, and Configuration. The 'Configuration' tab is highlighted.
- Configuration options** section:
 - A table with two columns: 'Type' and 'Description'.
 - The table contains five rows: 'Steps', 'Groups', 'Process chains', 'Systems', and 'Plans'. The 'Plans' row is highlighted with a yellow background.

Type	Description
	Steps
	Groups
	Process chains
	Systems
	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.

Display of plan 9000000027

Header

Plan name: ECC Consolidation Status: Active

Header Workflow

Open phase Close phase

Consolidation workflow

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						
	Hard coded literals	Analysis		Closed	TENGLAND	13.02.2016	TENGLAND	25.02.2016
	Hard coded literals	Decision		Open	TENGLAND	25.02.2016		
	Hard coded literals	Execution						
	Custom objects	Analysis		Closed	TENGLAND	13.02.2016	TENGLAND	17.02.2016
	Custom objects	Decision		Open	TENGLAND	17.02.2016		
	Custom objects	Execution						
	Custom objects	Transfer						

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

Plan: ECC Consolidation

Status: Active

Overview Results Operation 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	

Execute Schedule

Process chain	Reference	Act.	Order	System	Select	St.	Status	St. date	St. time	End date	End time	Est. time	Esti...
Hard coded literals decision	008				<input checked="" type="checkbox"/>								
Hard coded literals mass decision	0000000027		1	D01	<input checked="" type="checkbox"/>								

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

Plan
ECC Consolidation

Status: Active

Overview
Results
Operation
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	

Process chain

Reference	Act.	Order	System	Select	St.	Status	St. date	St. time	End date	End time	Est. time	Est...
008						In pro...	25.02.2...	10:21:47				
0000000027		1	D01			In pro...	25.02.2...	10:21:47				

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

Plan
ECC Consolidation

Status: Active

Overview
Results
Operation
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	

Run history : Hard coded literals decision

Runtime ID	System A	System B	Created by	St. Status	Last step	Start date	Start time	End date	End time	Job name
00001	System DZZ (D01)	Test system (D02)	TENGLAND	Finished	0000000027	25.02.2016	10:21:47	25.02.2016	10:22:09	CONSOLIDATOR

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

Consolidation Cockpit

CONTEXT

Plan
ECC Consolidation

Status: Active

Overview
Results
Operation

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	

Back Abort Log Job overview

Process chain	Reference	Act.	Order	System	St.	Status	St. date	St. time	End date	End time	Est. time	Estim. %	N...
Hard coded literals decision	008					Finished	25.02.2...	10:21:47	25.02.2...	10:22:09			
Hard coded literals mass decision	0000000027		1	D01		Finished	25.02.2...	10:21:47	25.02.2...	10:22:09			

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 [Operation](#) 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.

The screenshot shows the 'Consolidation Cockpit' interface. On the left, the 'CONTEXT' section shows 'Plan' and 'ECC Consolidation'. Below it, the 'Status' is 'Active'. The 'Result Areas' section lists various consolidation stages, with 'Hard-coded Literals' selected. The main area displays a table of 'Hard coded Literals' with columns for Status, Decision, Conf (D01), Conf (D02), Obj. Name, Reference, Data elem., and New value. The table lists various object types and their corresponding counts and statuses.


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				
Enhancement spot implementation	No conflict		0	0				
SAP Script	No conflict		0	0				
Function Group	No conflict		0	0				
Function Module	Completed		3	0				
Interface	No conflict		0	0				
Workflow template	No conflict		0	0				
Program	Completed		2	0				
Smart Form	No conflict		0	0				
Type Group	No conflict		0	0				

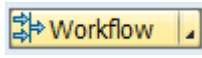
The buttons on this screen operate by clicking the right hand down arrow details on what each button does are as below.

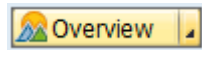
The 'Update' button allows the user to run the programs for this phase individually, however, it is recommended the user does not use this and completes this through the operation drawer as this adds greater clarity.

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

- *Translate the literal
- *Ignore Conflict
- *Remediate Manually
- *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.


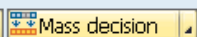
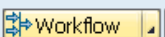
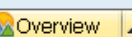
The 'Workflow' button  allows the user to open and close this phase.

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

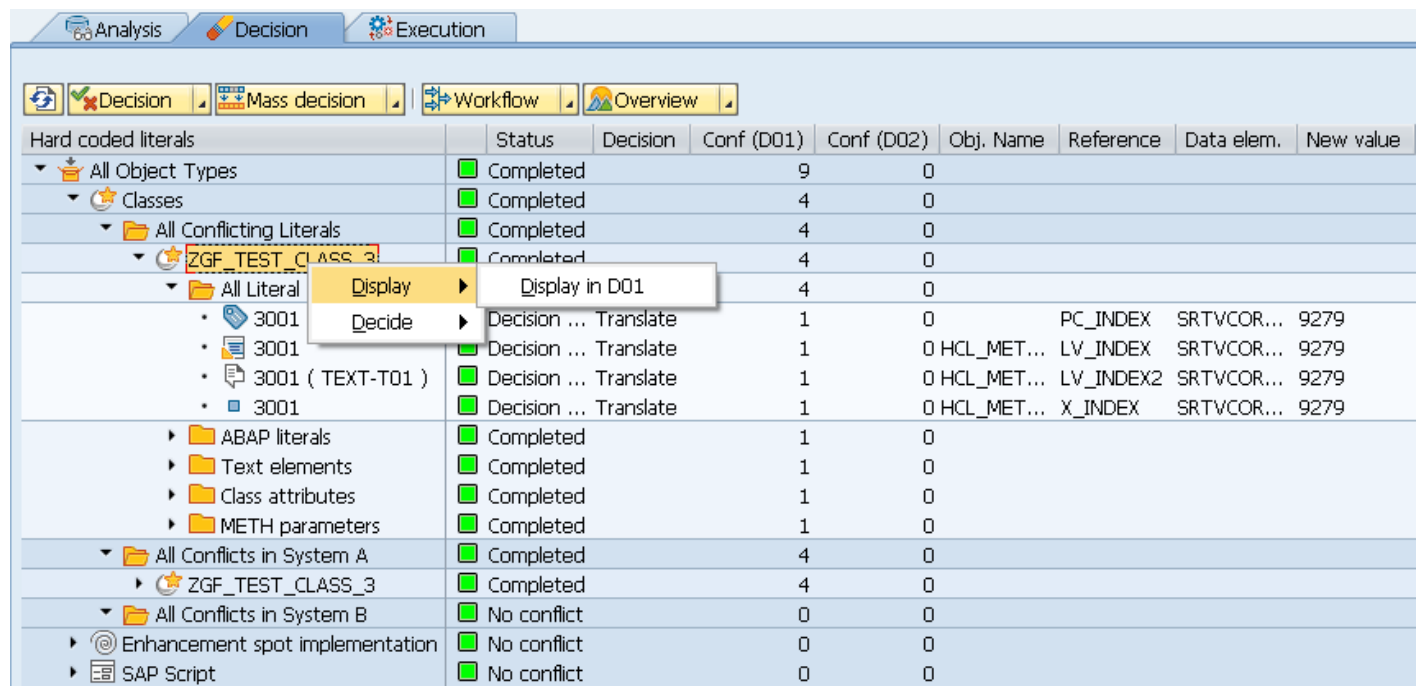
On the hard code literals screen below, opening up an Object Type provides further folders where you can view more information about the objects in each object type. Opening up the 'All Literals' folders lists all of the objects of this type in both systems, opening up the 'All Conflicting Literals' 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.

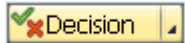
- Object Names
- Reference
- Data Element
- New value

Analysis Decision Execution									
   									
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					
▼ All Conflicting Literals	Completed		4	0					
▼ ZGF_TEST_CLASS_3	Completed		4	0					
▼ All Literal types	Completed		4	0					
• 3001	Decision ... Translate		1	0	PC_INDEX	SRTVCOR...	9279		
• 3001	Decision ... Translate		1	0	HCL_MET...	LV_INDEX	SRTVCOR...	9279	
• 3001 (TEXT-T01)	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					
▶ ZGF_TEST_CLASS_3	Completed		4	0					
▼ All Conflicts in System B	No conflict		0	0					
▶ Enhancement spot implementation	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.



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				
▼ All Conflicting Literals	Completed		4	0				
▼ ZGF_TEST_CLASS_3	Completed		4	0				
▼ All Literal	Completed		4	0				
• 3001	Decision ... Translate		1	0	PC_INDEX	SRTVCOR...	9279	
• 3001	Decision ... Translate		1	0	HCL_MET...	LV_INDEX	SRTVCOR...	9279
• 3001 (TEXT-T01)	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				
▶ ZGF_TEST_CLASS_3	Completed		4	0				
▼ All Conflicts in System B	No conflict		0	0				
▶ Enhancement spot implementation	No conflict		0	0				
▶ SAP Script	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 .

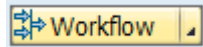
- *Translate the literal
- *Ignore Conflict
- *Remediate Manually
- *Cancel decision

Analysis Decision Execution									
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					
▼ Classes	Completed		4	0					
▼ All Conflicting Literals	Completed		4	0					
▼ ZGF_TEST_CLASS_3	Completed		4	0					
▼ All Literal	Completed		4	0					
• 3001	Completed		1	0	PC_INDEX	SRTVCOR...		9279	
• 3001	Completed		1	0	HCL_MET...	LV_INDEX	SRTVCOR...	9279	
• 3001 (TEXT-T01)	Completed		1	0	HCL_MET...	LV_INDEX2	SRTVCOR...	9279	
• 3001	Completed		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					
▶ ZGF_TEST_CLASS_3	Completed		4	0					
▼ All Conflicts in System B	No conflict		0	0					
▶ Enhancement spot implementation	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



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](#)
- [Results](#)

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.

The screenshot shows the 'Configuration' drawer with the following elements:

- CONTEXT** section:
 - Plan**: A dropdown menu showing 'ECC Consolidation' with a green checkmark icon to its right.
 - Status**: Active
- A list of tabs: Overview, Results, Operation, and Configuration. The 'Configuration' tab is highlighted in yellow.
- Configuration options** section:
 - A table with two columns: 'Type' and 'Description'.
 - Five rows of options, each with an icon and a text label:
 - Steps (icon: square with 'S')
 - Groups (icon: three stacked squares)
 - Process chains (icon: three connected squares)
 - Systems (icon: monitor)
 - Plans (icon: document with 'P', highlighted in yellow)

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 9000000027

Header

Plan name: ECC Consolidation Status: Active

Header Workflow

Open phase Close phase

Consolidation workflow

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	26.02.2016		
	Hard coded literals	Analysis		Closed	TENGLAND	13.02.2016	TENGLAND	25.02.2016
	Hard coded literals	Decision		Closed	TENGLAND	25.02.2016	TENGLAND	27.02.2016
	Hard coded literals	Execution		Open	TENGLAND	27.02.2016		

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

Plan: ECC Consolidation

Status: Active

Overview Results Operation

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	

Process chain

Reference	Act.	Order	System	Select	St.	Status	St. date	St. time	End date	End time	Est. time
007						In progress	28.02.2016	12:17:35			
0000000022		1	D01			In progress	28.02.2016	12:17:35			

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
ECC Consolidation

Status: Active

Overview
Results
Operation

Execute Run history

Process chains

St.	Chain name	Op.
1	Customizing analysis	
2	Customizing decision	
3	Customizing execution	
4	Customizing transfer	
5	Hard coded literals analysis	
6	Hard coded literals decision	
7	Hard coded literals execution	
8	Custom objects analysis	
9	Custom objects decision	
10	Custom objects execution	
11	Custom objects transfer	

Run history : Hard coded literals execution

Runtime ID	System A	System B	Created by	St.	Status	Last step	Start date	Start time	End date	End time	Job name	Job no.
00001	System DZZ (D01)	Test system (D02)	TENGLAND		Finished	0000000022	28.02.2016	12:17:35	28.02.2016	12:17:41	CONSOLIDATOR	1217350

When the jobs have a status of finished when complete, it is ready to progress to the [Results](#) screen.

Consolidation Cockpit

CONTEXT

Plan
ECC Consolidation

Status: Active

Overview
Results
Operation

Execute Run history

Process chains

St.	Chain name	Op.
1	Customizing analysis	
2	Customizing decision	
3	Customizing execution	
4	Customizing transfer	
5	Hard coded literals analysis	
6	Hard coded literals decision	
7	Hard coded literals execution	
8	Custom objects analysis	
9	Custom objects decision	
10	Custom objects execution	
11	Custom objects transfer	

Process chain

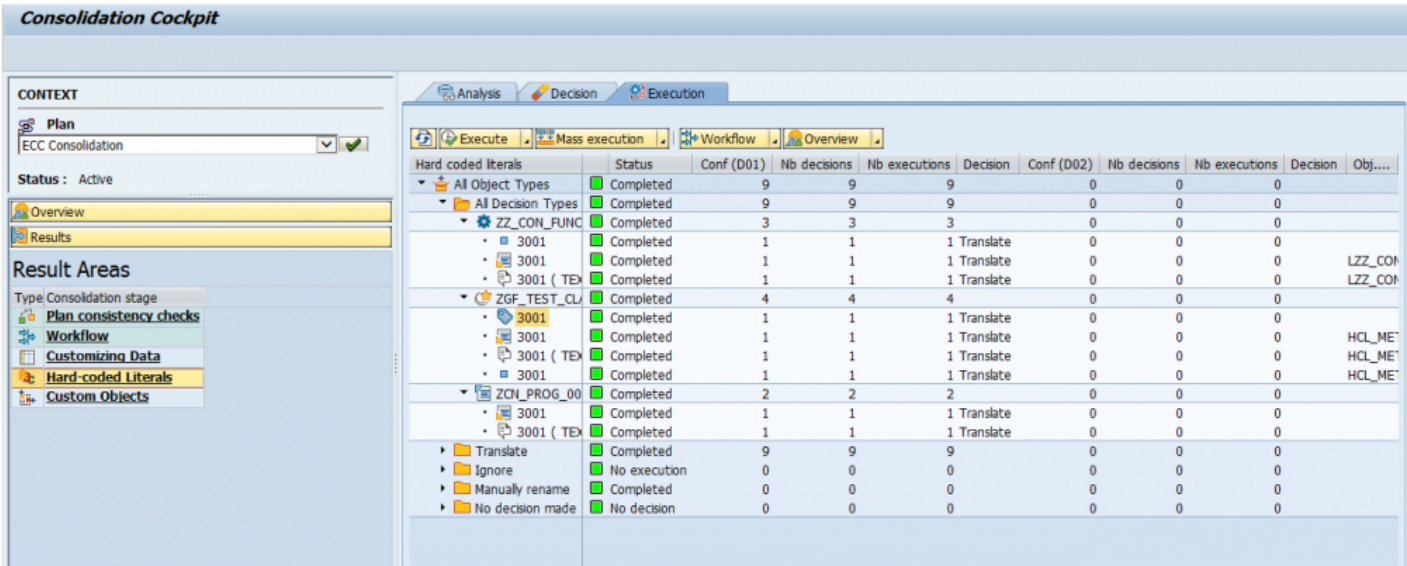
Process chain	Reference	Act.	Order	System	Select	St.	Status	St. date	St. time	End date	End time	Est. time	E.
Hard coded literals execution	007						Finished	28.02.2016	12:17:35	28.02.2016	12:17:41		
Hard coded literals mass execution	0000000022		1	D01			Finished	28.02.2016	12:17:35	28.02.2016	12:17:41		


Results

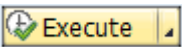
The Execution phase of the Hard Code Literals stage is where the actual changes are made to the code.

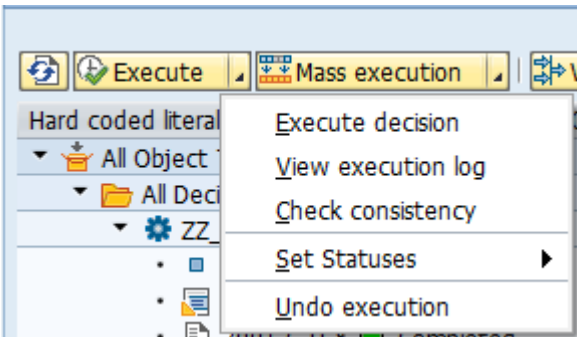
Once the Decision programs have run from the [Operation](#) section it is time to view the results, go to the 'Results' drawer and select the 'Hard Code Literal' then select the 'Execution' tab.

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.



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

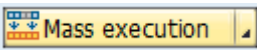
The 'Execution' button  allows the user a number of options as below:



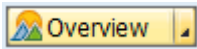
- Execute Decision – Enables an individual execution to be run, useful if an execution has been undone and you want to revert a section
- View Execution Log – Enables the logs to be viewed, useful when trying to solve errors
- Check Consistency – Enables consistency checks to be run
- Set Status – The 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  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  allows the user to open and close this phase.

The 'Overview' button  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. 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

CONTEXT
Plan
ECC Consolidation
Status: Active

Overview
Results
Type Consolidation stage
Plan consistency checks
Workflow
Customizing Data
Hard-coded Literals
Custom Objects

Analysis Decision Execution

Execute Mass execution Workflow Overview

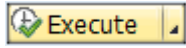
Hard coded literals	Status	Conf (D01)	Nb decisions	Nb executions	Decision	Conf (D02)	Nb decisions	Nb executions	Decision	Obj. Name	Reference	Data elem.	New value
All Object Types	Completed	9	9	9		0	0	0					
All Decision Types	Completed	9	9	9		0	0	0					
ZZ_CON_FUNC	Completed	3	3	3		0	0	0					
3001	Completed	1	1	1	Translate	0	0	0		X_INDEX	SRTVCOR...	9279	
3001	Completed	1	1	1	Translate	0	0	0		LZZ_CON... LV_INDEX	SRTVCOR...	9279	
3001 (TEX	Completed	1	1	1	Translate	0	0	0		LZZ_CON... LV_INDEX2	SRTVCOR...	9279	
ZGF_TEST_CL	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 (TEX	Completed	1	1	1	Translate	0	0	0		HCL_MET... LV_INDEX2	SRTVCOR...	9279	
3001	Completed	1	1	1	Translate	0	0	0		HCL_MET... X_INDEX	SRTVCOR...	9279	
ZCN_PROG_00	Completed	2	2	2		0	0	0					
3001	Completed	1	1	1	Translate	0	0	0		LV_HCL	SRTVCOR...	9279	
3001 (TEX	Completed	1	1	1	Translate	0	0	0		LV_HCL	SRTVCOR...	9279	
Translate	Completed	9	9	9		0	0	0					
ZZ_CON_FUNC	Completed	3	3	3		0	0	0					
3001	Completed	1	1	1	Translate	0	0	0		X_INDEX	SRTVCOR...	9279	
3001	Completed	1	1	1	Translate	0	0	0		LZZ_CON... LV_INDEX	SRTVCOR...	9279	
3001 (TEX	Completed	1	1	1	Translate	0	0	0		LZZ_CON... LV_INDEX2	SRTVCOR...	9279	
ZGF_TEST_CL	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 (TEX	Completed	1	1	1	Translate	0	0	0		HCL_MET... LV_INDEX2	SRTVCOR...	9279	
3001	Completed	1	1	1	Translate	0	0	0		HCL_MET... X_INDEX	SRTVCOR...	9279	
ZCN_PROG_00	Completed	2	2	2		0	0	0					
3001	Completed	1	1	1	Translate	0	0	0		LV_HCL	SRTVCOR...	9279	
3001 (TEX	Completed	1	1	1	Translate	0	0	0		LV_HCL	SRTVCOR...	9279	
Ignore	No execution	0	0	0		0	0	0					
Manually rename	Completed	0	0	0		0	0	0					
No decision made	No decision	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 Workflow Overview

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
All Object Types	Completed	9	9	9		0	0	0					
All Decision Types	Completed	9	9	9		0	0	0					
ZZ_CON_FUNC_TEST	Completed	2	3	3		0	0	0					
3001	Completed	1	1	1	Translate	0	0	0		X_INDEX	SRTVCOR...	9279	
3001	Completed	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	
ZGF_TEST_CLASS_3	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	
3001	Completed	1	1	1	Translate	0	0	0		HCL_MET... X_INDEX	SRTVCOR...	9279	
ZCN_PROG_001	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 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:

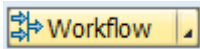
- In Progress
- Executed
- Failed
- Undone
- Reset to initial

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
All Object Types	Completed	9	9	9	0	0	0	0					
All Decision Types	Completed	9	9	9	0	0	0	0					
ZGF_FUNC_TEST	Completed	3	3	3	0	0	0	0					
3001	Completed	1	1	1 Translate	0	0	0	0		X_INDEX	SRTVCOR...	9279	
3001	Completed	1	1	1 Translate	0	0	0	0		LZZ_CON...	LV_INDEX	SRTVCOR...	9279
3001 (TEXT-T01)	Completed	1	1	1 Translate	0	0	0	0		LZZ_CON...	LV_INDEX2	SRTVCOR...	9279
ZGF_TEST_CLASS_3	Completed	0	0	0	0	0	0	0					
3001	Completed	0	0	0	0	0	0	0		PC_INDEX	SRTVCOR...	9279	
3001	Completed	0	0	0	0	0	0	0		HCL_MET...	LV_INDEX	SRTVCOR...	9279
3001 (TEXT-T01)	Completed	0	0	0	0	0	0	0		HCL_MET...	LV_INDEX2	SRTVCOR...	9279
3001	Completed	0	0	0	0	0	0	0		HCL_MET...	X_INDEX	SRTVCOR...	9279
ZCH_PROG_001	Completed	2	2	2	0	0	0	0					
3001	Completed	1	1	1	0	0	0	0		LV_HCL	SRTVCOR...	9279	
3001 (TEXT-T01)	Completed	1	1	1 Translate	0	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



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](#)
- [Results](#)

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.

The screenshot shows the 'Configuration' drawer with the following elements:

- CONTEXT** section:
 - Plan**: A dropdown menu showing 'ECC Consolidation' with a green checkmark icon to its right.
 - Status**: Active
- A list of tabs: Overview, Results, Operation, and Configuration. The 'Configuration' tab is highlighted in yellow.
- Configuration options** section:
 - A table with two columns: 'Type' and 'Description'.
 - Five rows of options, each with an icon and a description:

Type	Description
	Steps
	Groups
	Process chains
	Systems
	Plans

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

Display of plan 9000000027

Header

Plan name Status Active

Header Workflow

Open 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						
	Hard coded literals	Analysis		Open	TENGLAND	13.02.2016		
	Hard coded literals	Decision						
	Hard coded literals	Execution						
	Custom objects	Analysis						
	Custom objects	Decision						
	Custom objects	Execution						
	Custom objects	Transfer						

The phase is now open for operations.

Display of plan 9000000027

Header

Plan name Status Active

Header Workflow

Open 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						
	Hard coded literals	Analysis		Open	TENGLAND	13.02.2016		
	Hard coded literals	Decision						
	Hard coded literals	Execution						
	Custom objects	Analysis		Open	TENGLAND	13.02.2016		
	Custom objects	Decision						
	Custom objects	Execution						
	Custom objects	Transfer						

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

Plan
ECC Consolidation

Status: Active

Overview
Results
Operation

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	

Process chain

Reference	Act.	Order	System	Select	St.	Status	St. date	St. time	End date	End ...
003										
0000000001		1								
0000000001		1 D01								
0000000002		2 D02								
0000000003		3 D01								
0000000004		4 D01								
0000000005		5 D01								

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

Plan
ECC Consolidation

Status: Active

Overview
Results
Operation

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	

Process chain

Reference	Act.	Order	System	Select	St.	Status	St. date	St. time	End date	E...
003						Finished	13.02.2016	23:51:20	13.02.2...	23:5
0000000001		1				Finished	13.02.2016	23:52:00	13.02.2...	23:5
0000000001		1 D01				Finished	13.02.2016	23:52:00	13.02.2...	23:5
0000000002		2 D02				Finished	13.02.2016	23:52:41	13.02.2...	23:5
0000000003		3 D01				Finished	13.02.2016	23:52:51	13.02.2...	23:5
0000000004		4 D01				Finished	13.02.2016	23:52:56	13.02.2...	23:5
0000000005		5 D01				Finished	13.02.2016	23:52:56	13.02.2...	23:5

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

Plan
ECC Consolidation

Status: Active

Overview
Results
Operation

Execute Run history

Process chains

St.	Chain name	Op.
1	Customizing analysis	
2	Customizing decision	
3	Customizing execution	
4	Customizing transfer	
5	Hard coded literals analysis	
6	Hard coded literals decision	
7	Hard coded literals execution	
8	Custom objects analysis	
9	Custom objects decision	
10	Custom objects execution	
11	Custom objects transfer	

Run history : Custom objects analysis

Runtime ID	System A	System B	Created by	St.	Status	Last step	Start date	Start time	End date	End time	Job name	Job no.
00001	System DZZ (D01)	Test system (D02)	TENGLAND		Finished	0000000005	13.02.2016	23:51:20	13.02.2016	23:55:07	CONSOLIDATOR	2350470

The full run details are displayed as below:

Consolidation Cockpit

CONTEXT

Plan
ECC Consolidation

Status: Active

Overview
Results
Operation

Execute Run history

Process chains

St.	Chain name	Op.
1	Customizing analysis	
2	Customizing decision	
3	Customizing execution	
4	Customizing transfer	
5	Hard coded literals analysis	
6	Hard coded literals decision	
7	Hard coded literals execution	
8	Custom objects analysis	
9	Custom objects decision	
10	Custom objects execution	
11	Custom objects transfer	

Back Abort Log Job overview

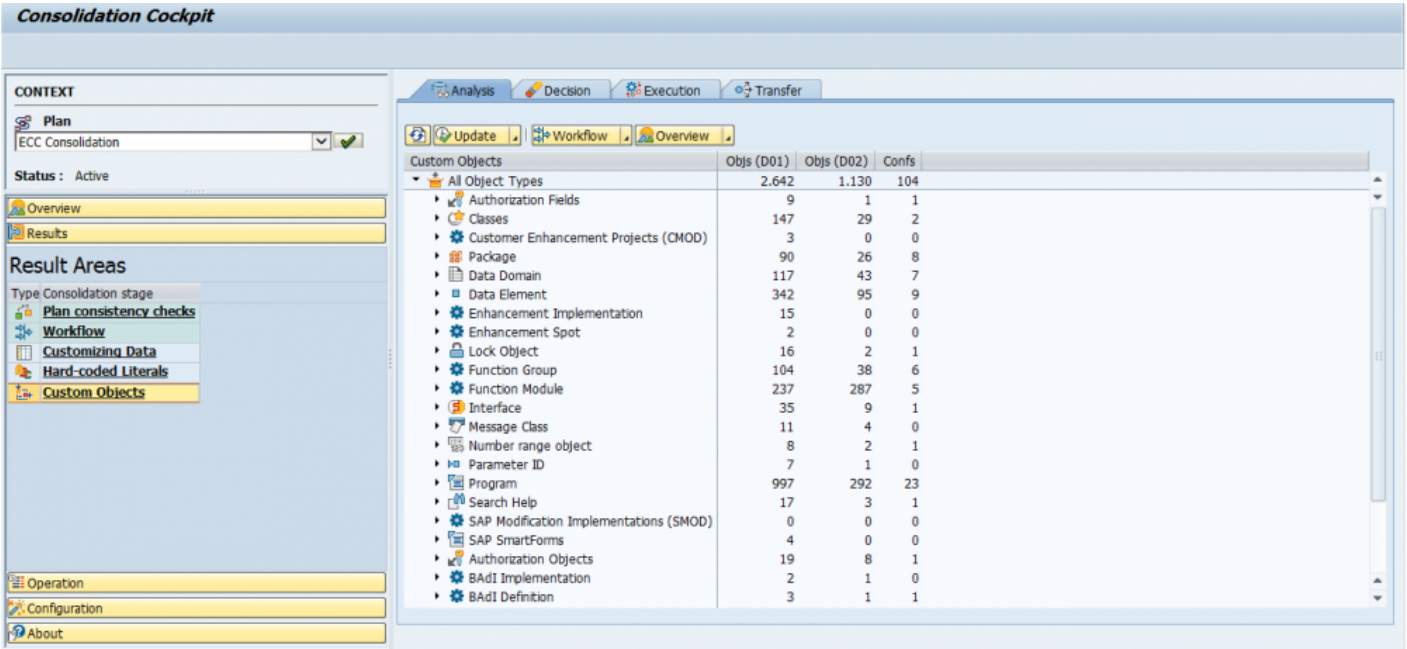
Process chain	Reference	Act.	Order	System	St.	Status	St. date	St. time	End date	End time	Es...
Custom objects analysis	003					Finished	13.02.2...	23:51:20	13.02.2...	23:55:07	
Custom object comparison	0000000001		1								
Object list generator - System A	0000000001		1	D01		Finished	13.02.2...	23:52:00	13.02.2...	23:52:00	
Object list generator - System B	0000000002		2	D02		Finished	13.02.2...	23:52:00	13.02.2...	23:52:41	
Retrieve object list from remote system - System A	0000000003		3	D01		Finished	13.02.2...	23:52:41	13.02.2...	23:52:51	
Retrieve object list from remote system - System B	0000000004		4	D01		Finished	13.02.2...	23:52:51	13.02.2...	23:52:56	
Collect object conflict information	0000000005		5	D01		Finished	13.02.2...	23:52:56	13.02.2...	23:55:07	


Results

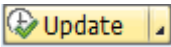
The Analysis phase of the Custom Objects stage this will provide the number of objects from each system and the number of conflicts that have been found.

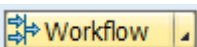
Once the Analysis programs have run it is time to view the results, go to the 'Results' drawer and select the 'Custom Objects'.

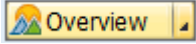
The screen below shows the number of objects in each system and the number of conflicts found between the systems.



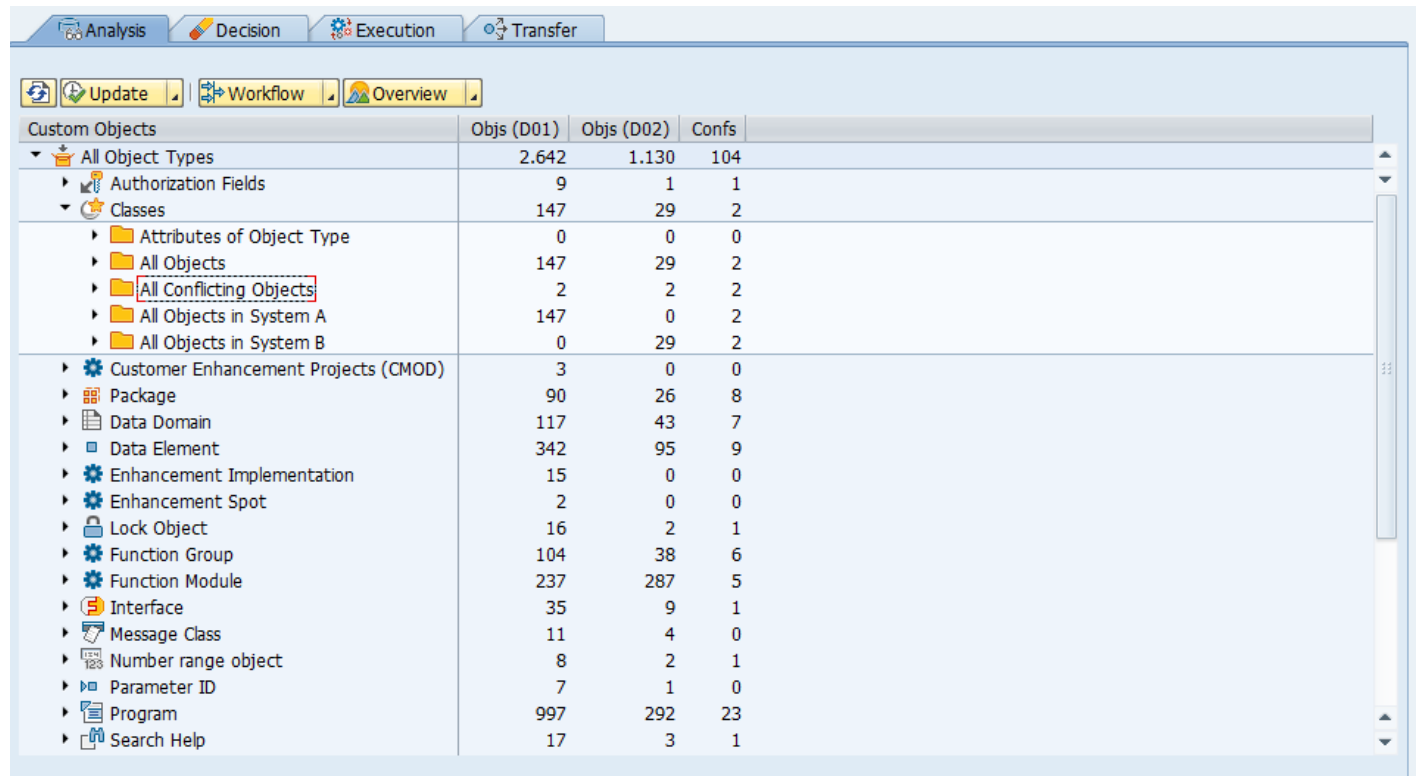
The buttons on this screen operate by clicking the right hand down arrow  details on what each button does are as below.

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

The 'Overview' button  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 an Object Type provides further folders where you can view more information about the objects in each object type.



Custom 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
▶ Package	90	26	8
▶ Data Domain	117	43	7
▶ Data Element	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
▶ Number range object	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 Transfer			
Update Workflow Overview			
Custom 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
• Number of class attributes	515	141	0
• Number of lines	37.612	5.760	0
• Number of methods	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 Transfer			
Update Workflow Overview			
Custom 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
▶ YBT_CL_BSP_TASK_TABLE_ITERAT	0	1	0
▶ YBT_CL_BSP_TE	0	1	0
▶ YBT_CL_INGEN_BSAK_DUMMY	1	0	0
▶ YCL_BT_APPL_LOG	1	1	0
▶ YCL_BT_CHANGE_REQUEST	1	1	0
▶ YCL_BT_PRODUCT	1	1	0
▶ YCL_BT_SELECTION	1	1	0
▶ YCL_BT_SELECTION_SCREEN	1	1	0
▶ YCL_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
▶ YCL_GUI_CONTEXT_BASE	1	1	0
▶ YCL_GUI_CONTEXT_BASE2	1	0	0
▶ YCL_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 Transfer			
Update Workflow Overview			
Custom 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
▼ ZCL_MAIL_INBOUND_SYS_CHECK	1	1	1
• Number of class attributes	1	1	0
• Number of lines	203	144	0
• Number of methods	2	1	0
▶ ZCN_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 Transfer			
Update Workflow Overview			
Custom 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
▼ ZCL_MAIL_INBOUND_SYS_CHECK			
• Number of class attributes			
• Number of lines	203		
• Number of methods	2		
▶ ZCN_CLAS_REF1	1	1	1


Display ▶
 Display in D01
 Display in D02
 Remote comparison

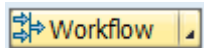
Opening up the 'All Objects in System A' or 'All Objects in System B' folders lists all of the objects of this type in the chosen system

Analysis Decision Execution Transfer			
Update Workflow Overview			
Custom Objects	Objs (D01)	Objs (D02)	Confs
▼ All Objects in System A	147	0	2
▶ YBT_CL_INGEN_BSAK_DUMMY	1	0	0
▶ YCL_BT_APPL_LOG	1	1	0
▶ YCL_BT_CHANGE_REQUEST	1	1	0
▶ YCL_BT_PRODUCT	1	1	0
▶ YCL_BT_SELECTION	1	1	0
▶ YCL_BT_SELECTION_SCREEN	1	1	0
▶ YCL_BT_VERSION_INFO	1	1	0
▶ YCL_GUI_BASEOBJECT	1	1	0
▶ YCL_GUI_COLUMN	1	1	0
▶ YCL_GUI_CONTEXT_BASE	1	1	0
▶ YCL_GUI_CONTEXT_BASE2	1	0	0
▶ YCL_GUI_CONTEXT_BASE_RENAME	1	0	0
▶ YCL_GUI_GROUP	1	1	0
▶ YCL_GUI_GROUP_CONTROLLER	1	1	0
▶ YCL_GUI_MODULE	1	1	0
▶ YCL_GUI_OBJECT_GRID	1	1	0
▶ YCL_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



and select close phase. Continue to the next phase [Decision Phase](#).

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.

- [Operation](#)
- [Results](#)

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

Plan
ECC Consolidation

Status : Active

Overview
Results
Operation
Configuration

Configuration options

Type	Description
	Steps
	Groups
	Process chains
	Systems
	Plans

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

Display of plan 0000000037

Header

Plan name: ECC Consolidation Status: Active

Header Workflow

Open phase Close phase

Consolidation workflow

Type	Stage	Phase	St.	Status	Opened by	Opened on	Closed by	Closed on
	Customizing data	Analysis						
	Customizing data	Decision						
	Customizing data	Execution						
	Customizing data	Transfer						
	Hard coded literals	Analysis						
	Hard coded literals	Decision						
	Hard coded literals	Execution						
	Custom objects	Analysis		Closed	TENGLAND	28.02.2016	TENGLAND	28.02.2016
	Custom objects	Decision		Open	TENGLAND	28.02.2016		
	Custom objects	Execution						
	Custom objects	Transfer						

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

Consolidation Cockpit

CONTEXT

Plan: ECC Consolidation Status: Active

Overview Results Operation

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	

Execute Schedule

Process chain	Reference	Act.	Order	System	Select	St.	Status	St. date	St. time	End date	End time	Est. time	E.
Custom objects decision	004				<input checked="" type="checkbox"/>								
Custom objects usage information	0000000002		1		<input checked="" type="checkbox"/>								
Create object linkage - System A	0000000006		1	CN1	<input checked="" type="checkbox"/>								
Create object linkage - System B	0000000007		2	CN2	<input checked="" type="checkbox"/>								
Collect object usage information	0000000008		3	T03	<input checked="" type="checkbox"/>								
Retrieve objects reference count	0000000020		4	T03	<input checked="" type="checkbox"/>								
Custom objects decision	0000000006		2		<input checked="" type="checkbox"/>								
Custom objects mass decision	0000000026		1	T03	<input checked="" type="checkbox"/>								

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

Plan
ECC Consolidation

Status: Active

Overview
Results
Operation
Execute Run history

Process chains

St.	Chain name	Op.
1	Customizing analysis	Op.
2	Customizing decision	Op.
3	Customizing execution	Op.
4	Customizing transfer	Op.
5	Hard coded literals analysis	Op.
6	Hard coded literals decision	Op.
7	Hard coded literals execution	Op.
8	Custom objects analysis	Op.
9	Custom objects decision	Op.
10	Custom objects execution	Op.
11	Custom objects transfer	Op.

Process chain

Reference	Act.	Order	System	Select	St.	Status	St. date	St. time	End date	End time	Est. time
004						In progress	29.02.2016	10:37:29			
0000000002		1				In progress	29.02.2016	10:37:29			
0000000006		1	CN1			Pending					
0000000007		2	CN2			Pending					
0000000008		3	T03			Pending					
0000000020		4	T03			Pending					
0000000006		2				Pending					
0000000026		1	T03			Pending					

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

Plan
ECC Consolidation

Status: Active

Overview
Results
Operation
Execute Run history

Process chains

St.	Chain name	Op.
1	Customizing analysis	Op.
2	Customizing decision	Op.
3	Customizing execution	Op.
4	Customizing transfer	Op.
5	Hard coded literals analysis	Op.
6	Hard coded literals decision	Op.
7	Hard coded literals execution	Op.
8	Custom objects analysis	Op.
9	Custom objects decision	Op.
10	Custom objects execution	Op.
11	Custom objects transfer	Op.

Run history : Custom objects analysis

Runtime ID	System A	System B	Created by	St.	Status	Last step	Start date	Start time	End date	End time	Job name	Job no.
00001	System DZZ (D01)	Test system (D02)	TENGLAND	Finished	0000000005	13.02.2016	23:51:20	13.02.2016	23:55:07	CONSOLIDATOR	2350470	

The full run details are displayed as below:

Consolidation Cockpit

CONTEXT

Plan
ECC Consolidation

Status: Active

Overview
Results
Operation

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	

Back Abort Log Job overview

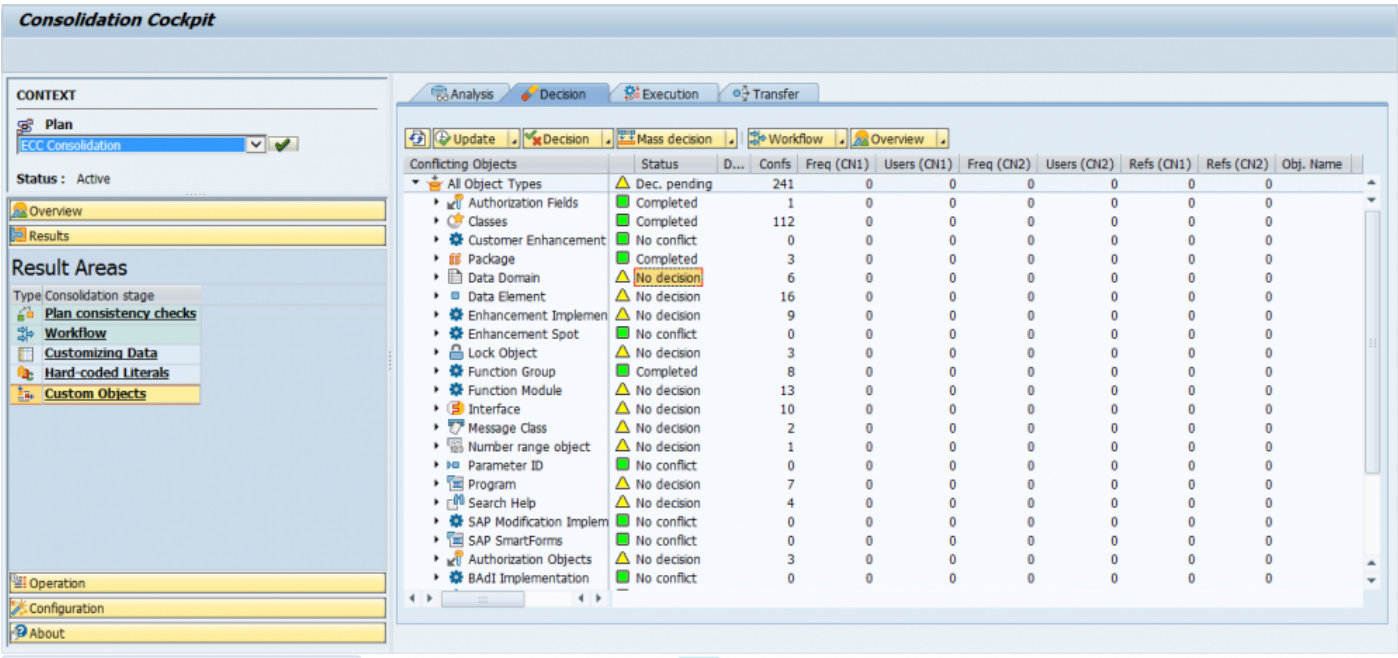
Process chain	Reference	Act.	Order	System	St.	Status	St. date	St. time	End date	End time	Es...
Custom objects analysis	003					Finished	13.02.2...	23:51:20	13.02.2...	23:55:07	
Custom object comparison	0000000001		1								
Object list generator - System A	0000000001		1 D01			Finished	13.02.2...	23:51:20	13.02.2...	23:52:00	
Object list generator - System B	0000000002		2 D02			Finished	13.02.2...	23:52:00	13.02.2...	23:52:41	
Retrieve object list from remote system - System A	0000000003		3 D01			Finished	13.02.2...	23:52:41	13.02.2...	23:52:51	
Retrieve object list from remote system - System B	0000000004		4 D01			Finished	13.02.2...	23:52:51	13.02.2...	23:52:56	
Collect object conflict information	0000000005		5 D01			Finished	13.02.2...	23:52:56	13.02.2...	23:55:07	


Results

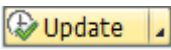
The Decision phase of the Custom Objects stage is where the key choices are made on how to resolve each conflict, usage data can be used to assist in this decision.

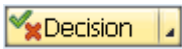
Once the Decision programs have run it is time to view the results, go to the ‘Results’ drawer and select the ‘Custom Objects’ and then navigate to the ‘Decision’ tab.

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



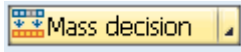
The buttons on this screen operate by clicking the right hand down arrow  details on what each button does are as below.

The ‘Update’ button  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.

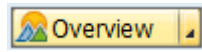
The ‘Decision’ button  allows the user to make the decisions, options are as below:

- 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.

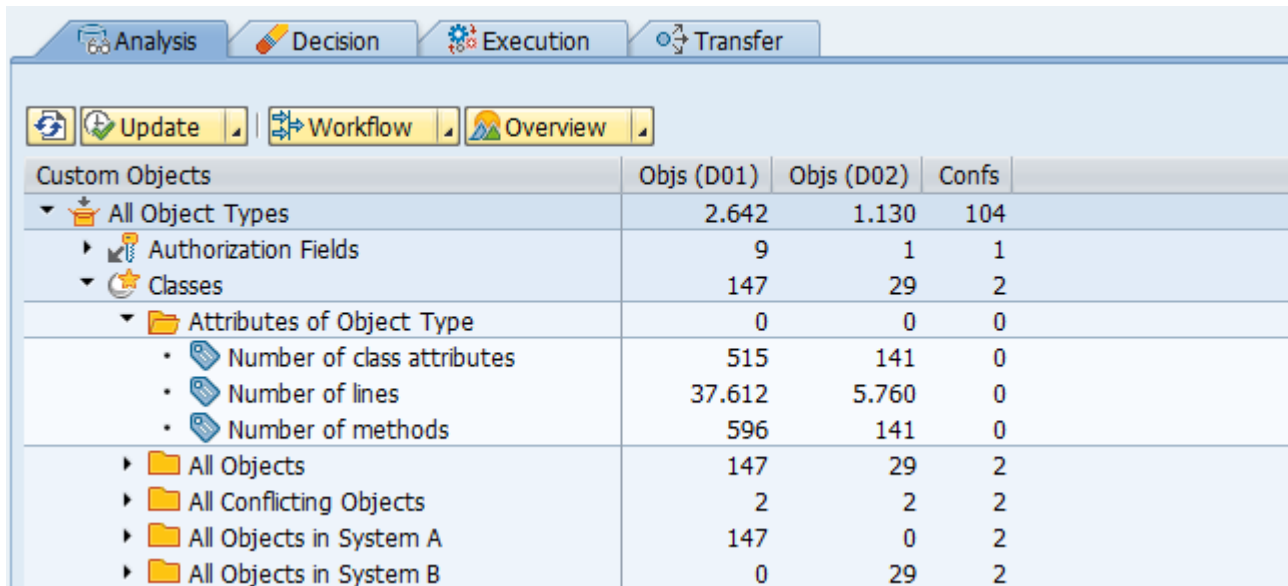
The 'Workflow' button  allows the user to open and close this phase.

The 'Overview' button  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 an Object Type provides further folders where you can view more information about the objects in each object type.

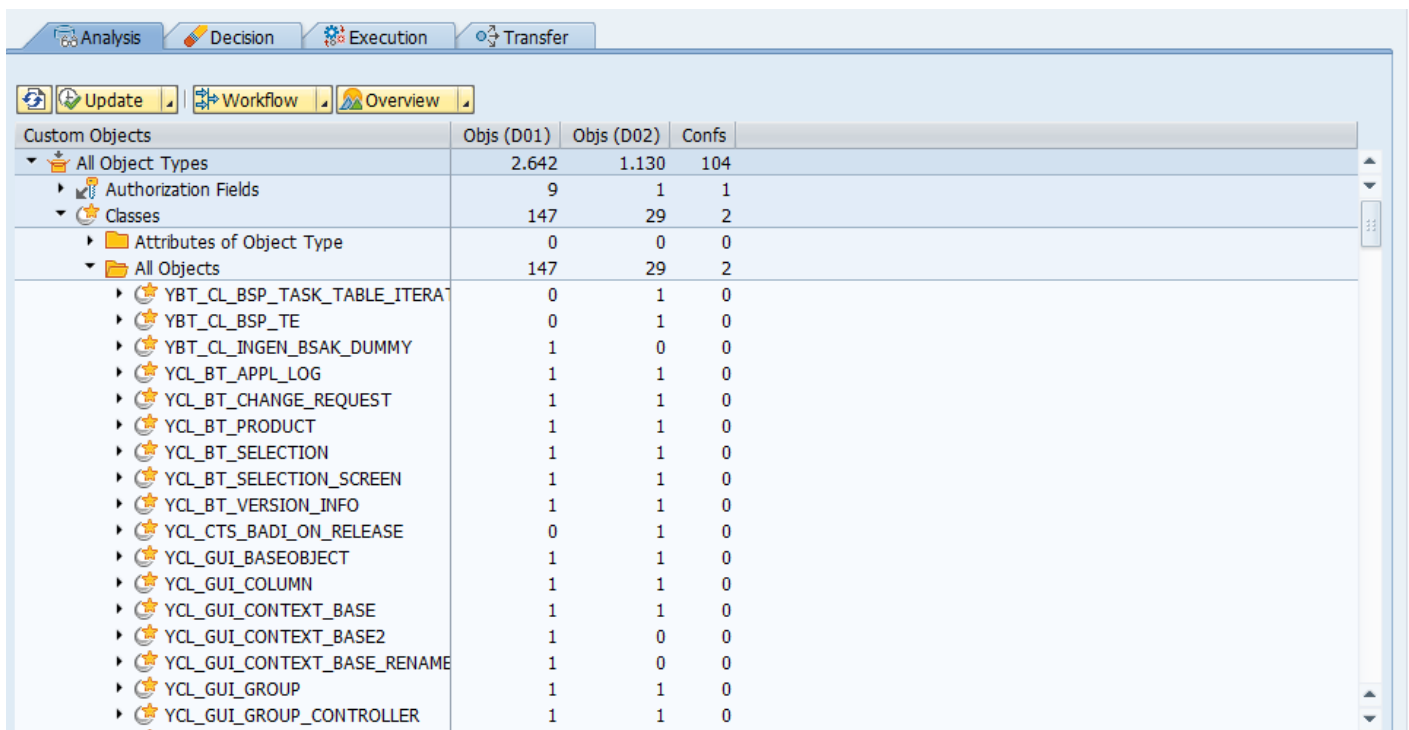
Analysis Decision Execution Transfer			
Update Workflow Overview			
Custom Objects	Objs (D01)	Objs (D02)	Confs
▼ All Object Types	2.642	1.130	104
▼ Authorization Fields	9	1	1
▼ Classes	147	29	2
Attributes of Object Type	0	0	0
All Objects	147	29	2
All Conflicting Objects	2	2	2
All Objects in System A	147	0	2
All Objects in System B	0	29	2
Customer Enhancement Projects (CMOD)	3	0	0
Package	90	26	8
Data Domain	117	43	7
Data Element	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
Number range object	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.



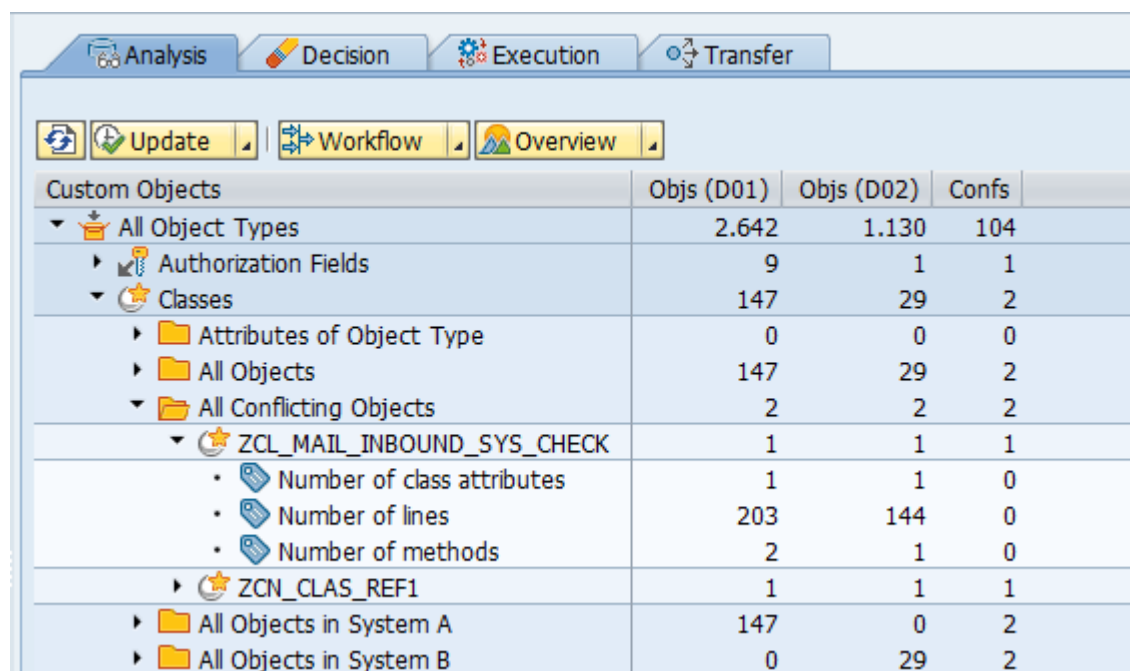
Custom Objects	Objs (D01)	Objs (D02)	Confs
▼ All Object Types	2.642	1.130	104
▶ Authorization Fields	9	1	1
▼ Classes	147	29	2
▼ Attributes of Object Type	0	0	0
• Number of class attributes	515	141	0
• Number of lines	37.612	5.760	0
• Number of methods	596	141	0
▶ All Objects	147	29	2
▶ All Conflicting 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.



Custom 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
▶ YBT_CL_BSP_TASK_TABLE_ITERAT	0	1	0
▶ YBT_CL_BSP_TE	0	1	0
▶ YBT_CL_INGEN_BSAK_DUMMY	1	0	0
▶ YCL_BT_APPL_LOG	1	1	0
▶ YCL_BT_CHANGE_REQUEST	1	1	0
▶ YCL_BT_PRODUCT	1	1	0
▶ YCL_BT_SELECTION	1	1	0
▶ YCL_BT_SELECTION_SCREEN	1	1	0
▶ YCL_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
▶ YCL_GUI_CONTEXT_BASE	1	1	0
▶ YCL_GUI_CONTEXT_BASE2	1	0	0
▶ YCL_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.



The screenshot shows the 'Analysis' tab of the Basis Technologies Consolidator. The interface includes a toolbar with 'Update', 'Workflow', and 'Overview' buttons. Below the toolbar is a tree view of 'Custom Objects' with the following structure:

- Custom Objects
 - All Object Types
 - Authorization Fields
 - Classes
 - Attributes of Object Type
 - All Objects
 - All Conflicting Objects
 - ZCL_MAIL_INBOUND_SYS_CHECK
 - Number of class attributes
 - Number of lines
 - Number of methods
 - ZCN_CLAS_REF1
 - All Objects in System A
 - All Objects in System B

The table below shows the counts for each object type across two systems (D01 and D02) and the number of conflicts (Confs).

| Custom 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 |
| ZCL_MAIL_INBOUND_SYS_CHECK | 1 | 1 | 1 |
| Number of class attributes | 1 | 1 | 0 |
| Number of lines | 203 | 144 | 0 |
| Number of methods | 2 | 1 | 0 |
| ZCN_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.

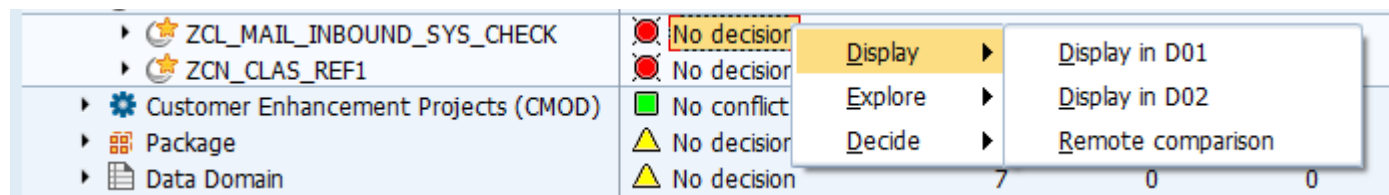
| Custom Objects | Objs (D01) | Objs (D02) | Confs |
|------------------------------|------------|------------|-------|
| ▼ All Object Types | 2.642 | 1.130 | 104 |
| ▶ Authorization Fields | 9 | 1 | 1 |
| ▼ Classes | 147 | 29 | 2 |
| ▶ Attributes of Object Type | 0 | 0 | 0 |
| ▶ All Objects | 147 | 29 | 2 |
| ▼ All Conflicting Objects | 2 | 2 | 2 |
| ▼ ZCL_MAIL_INBOUND_SYS_CHECK | | | |
| • Number of class attributes | | | |
| • Number of lines | 203 | | |
| • Number of methods | 2 | | |
| ▶ ZCN_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

| Custom Objects | Objs (D01) | Objs (D02) | Confs |
|-------------------------------|------------|------------|-------|
| ▼ All Objects in System A | 147 | 0 | 2 |
| ▶ YBT_CL_INGEN_BSAK_DUMMY | 1 | 0 | 0 |
| ▶ YCL_BT_APPL_LOG | 1 | 1 | 0 |
| ▶ YCL_BT_CHANGE_REQUEST | 1 | 1 | 0 |
| ▶ YCL_BT_PRODUCT | 1 | 1 | 0 |
| ▶ YCL_BT_SELECTION | 1 | 1 | 0 |
| ▶ YCL_BT_SELECTION_SCREEN | 1 | 1 | 0 |
| ▶ YCL_BT_VERSION_INFO | 1 | 1 | 0 |
| ▶ YCL_GUI_BASEOBJECT | 1 | 1 | 0 |
| ▶ YCL_GUI_COLUMN | 1 | 1 | 0 |
| ▶ YCL_GUI_CONTEXT_BASE | 1 | 1 | 0 |
| ▶ YCL_GUI_CONTEXT_BASE2 | 1 | 0 | 0 |
| ▶ YCL_GUI_CONTEXT_BASE_RENAME | 1 | 0 | 0 |
| ▶ YCL_GUI_GROUP | 1 | 1 | 0 |
| ▶ YCL_GUI_GROUP_CONTROLLER | 1 | 1 | 0 |
| ▶ YCL_GUI_MODULE | 1 | 1 | 0 |
| ▶ YCL_GUI_OBJECT_GRID | 1 | 1 | 0 |
| ▶ YCL_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.



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

| | | | | | |
|-----------------------|-------------|---|---|---|---|
| Data Element | No decision | 9 | 0 | 0 | 0 |
| YBT_BASE_VERSION_TEXT | No decision | | 0 | 0 | 0 |
| ZBTICUSTID | No decision | | | | 0 |
| ZCN_BASIC_DTEL | No decision | | | | 0 |
| ZCN_DTEL_005 | No decision | | | | 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 | Data Element | YBT_BASE_VERSION_TEXT | |

Parent Objects (2)

| Type | Object | Object name | Object |
|------|---------|------------------|--------|
| STRU | Unknown | YSF_BASE_VERSION | |
| STRU | Unknown | YST_BASE_VERSION | |

Child Objects (2)

| Type | Object | Object name | Object |
|------|-------------------|-----------------------|--------|
| DOMA | Domain | YBT_BASE_VERSION_TEXT | |
| DOMD | Domain Definition | YBT_BASE_VERSION_TEXT | |

Thirdly 'Decision'


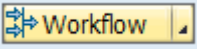
| | | | | |
|--------------------------------|---------------|---|---|---|
| ▼ Data Element | ⚠ No decision | 9 | 0 | 0 |
| ▶ YBT_BASE_VERSION_TEXT | ⛔ No decision | | 0 | 0 |
| ▶ ZBTICUSTID | ⛔ No decision | | 0 | 0 |
| ▶ ZCN_BASIC_DTEL | ⛔ No decision | | 0 | 0 |
| ▶ ZCN_DTEL_005 | ⛔ No decision | | | |
| ▶ ZDATAELEMENT | ⛔ No decision | | | |
| ▶ ZTIA_DATAELEMENT_3 | ⛔ No decision | | | |
| ▶ ZTIA_DATAELEMENT_7 | ⛔ No decision | | | |
| ▶ ZWF_OT_TEST | ⛔ No decision | | | |
| ▶ Z_AMINE_TEST | ⛔ No decision | | | |
| ▶ ⚙ Enhancement Implementation | ✅ No conflict | 0 | 0 | 0 |
| ▶ ⚙ Enhancement Spot | ✅ No conflict | 0 | 0 | 0 |

Display ▶
Explore ▶
Decide ▶

Rename in D01
Rename in D02
Ignore conflict
Remediate manually
Decision proposal
Cancel decision



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  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.

The screenshot shows the Consolidator interface. At the top, there is a 'CONTEXT' section with a 'Plan' dropdown menu set to 'ECC Consolidation' and a green checkmark icon. Below this, the 'Status' is 'Active'. A drawer on the left contains four tabs: 'Overview', 'Results', 'Operation', and 'Configuration'. The 'Configuration' tab is selected. Below the tabs, the 'Configuration options' section is visible, showing a list of options: 'Steps', 'Groups', 'Process chains', 'Systems', and 'Plans'. The 'Plans' option is highlighted with a yellow background.

| Type | Description |
|------|-----------------------|
| | Steps |
| | Groups |
| | Process chains |
| | 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.

Display of plan 9000000029

Header

Plan name Status **Active**

Header Workflow

Open phase Close phase

Consolidation workflow

| Type | 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 | Decision | | Closed | TENGLAND | 16.03.2016 | TENGLAND | 16.03.2016 |
| | Customizing data | Execution | | | | | | |
| | Customizing data | Transfer | | | | | | |
| | Hard coded literals | Analysis | | Closed | TENGLAND | 16.03.2016 | TENGLAND | 16.03.2016 |
| | Hard coded literals | Decision | | Closed | TENGLAND | 16.03.2016 | TENGLAND | 16.03.2016 |
| | Hard coded literals | Execution | | Closed | TENGLAND | 16.03.2016 | TENGLAND | 16.03.2016 |
| | Custom objects | Analysis | | Closed | TENGLAND | 28.02.2016 | TENGLAND | 16.03.2016 |
| | Custom objects | Decision | | Closed | TENGLAND | 16.03.2016 | TENGLAND | 16.03.2016 |
| | Custom objects | Execution | | Open | TENGLAND | 16.03.2016 | | |
| | Custom objects | Transfer | | | | | | |

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

Consolidation Cockpit

CONTEXT

Plan
ECC Consolidation

Status: Active

Overview
Results
Operation
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 | |

Execute Schedule

| Process chain | Reference | Act. | Order | System | Select | St. | Status | St. date | St. time | End date | End time | Est. time | Estim. % | Nb jobs |
|-------------------------------|------------|------|-------|--------|--------|-----|--------|----------|----------|----------|----------|-----------|----------|---------|
| Custom objects execution | 005 | | | | | | | | | | | | | |
| Custom objects mass execution | 0000000021 | | 1 | D01 | | | | | | | | | | |

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

Plan
ECC Consolidation

Status: Active

Overview
Results
Operation
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 | |

Abort Log Job overview

| Process chain | Reference | Act. | Order | System | Select | St. | Status | St. date | St. time | End date | End time | Est. time | Estim. % | Nb jobs |
|-------------------------------|------------|------|-------|--------|--------|-----|----------|------------|----------|------------|----------|-----------|----------|---------|
| Custom objects execution | 005 | | | | | | Finished | 16.03.2... | 12:47:24 | 16.03.2... | 12:47:30 | | | |
| Custom objects mass execution | 0000000021 | | 1 | D01 | | | Finished | 16.03.2... | 12:47:24 | 16.03.2... | 12:47:30 | | | |

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

Plan
ECC Consolidation

Status: Active

Overview
Results
Operation
Execute Run history

Process chains

| St. | Chain name | Op. |
|-----|-------------------------------|-----|
| 1 | Customizing analysis | Op. |
| 2 | Customizing decision | Op. |
| 3 | Customizing execution | Op. |
| 4 | Customizing transfer | Op. |
| 5 | Hard coded literals analysis | Op. |
| 6 | Hard coded literals decision | Op. |
| 7 | Hard coded literals execution | Op. |
| 8 | Custom objects analysis | Op. |
| 9 | Custom objects decision | Op. |
| 10 | Custom objects execution | Op. |
| 11 | Custom objects transfer | Op. |

Run history : Custom objects execution

| Runtime ID | System A | System B | Created by | St. | Status | Last step | Start date | Start time | End date | End time | Job name | Job no. |
|------------|------------------|-------------------|------------|-----|----------|------------|------------|------------|------------|----------|--------------|----------|
| 00001 | System DZZ (D01) | Test system (D02) | TENGLAND | 1 | Finished | 0000000021 | 16.03.2016 | 12:47:24 | 16.03.2016 | 12:47:30 | CONSOLIDATOR | 12472400 |

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

Plan
ECC Consolidation

Status: Active

Overview
Results
Operation
Execute Run history

Process chains

| St. | Chain name | Op. |
|-----|-------------------------------|-----|
| 1 | Customizing analysis | Op. |
| 2 | Customizing decision | Op. |
| 3 | Customizing execution | Op. |
| 4 | Customizing transfer | Op. |
| 5 | Hard coded literals analysis | Op. |
| 6 | Hard coded literals decision | Op. |
| 7 | Hard coded literals execution | Op. |
| 8 | Custom objects analysis | Op. |
| 9 | Custom objects decision | Op. |
| 10 | Custom objects execution | Op. |
| 11 | Custom objects transfer | Op. |

Run history : Custom objects execution

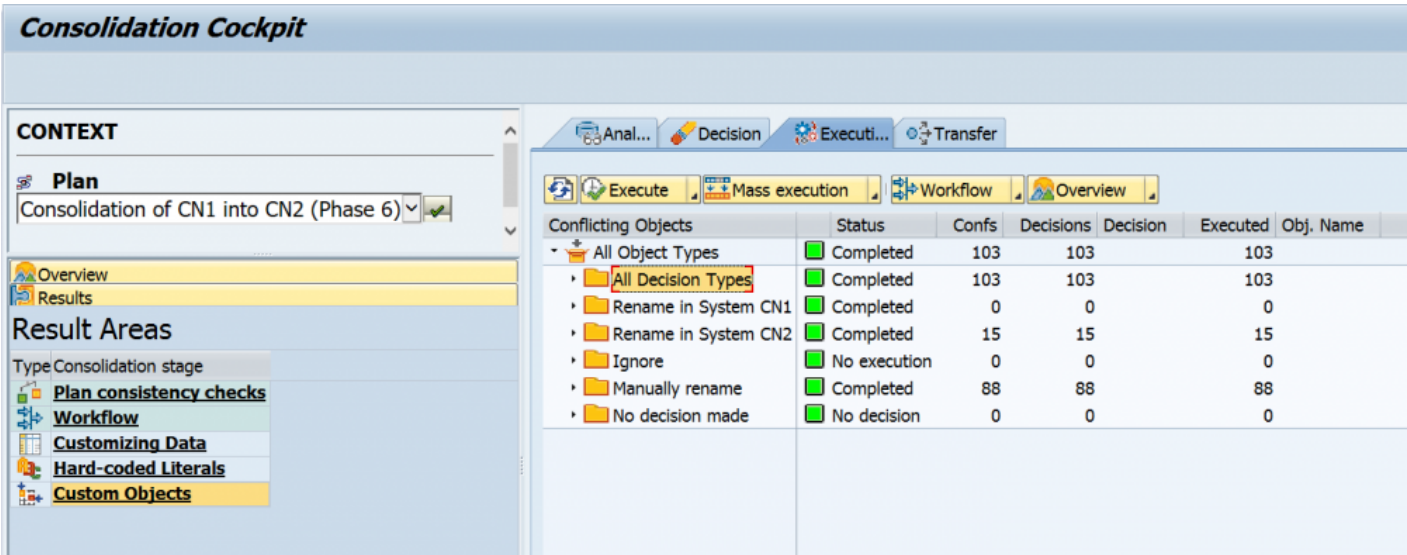
| Process chain | Reference | Act. | Order | System | St. | Status | St. date | St. time | End date | End time | Est. time | Estim. % | Nb jobs |
|-------------------------------|------------|------|-------|--------|-----|----------|------------|----------|------------|----------|-----------|----------|---------|
| Custom objects execution | 005 | | | | | Finished | 16.03.2... | 12:47:24 | 16.03.2... | 12:47:30 | | | |
| Custom objects mass execution | 0000000021 | | 1 | D01 | | Finished | 16.03.2... | 12:47:24 | 16.03.2... | 12:47:30 | | | |


Result

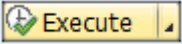
The Execution phase of the Custom Objects stage is where the renaming of objects occurs in the systems selected.

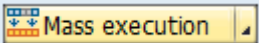
Once the Decision programs have run it is time to view the results, go to the ‘Results’ drawer and select the ‘Custom Objects’ and then navigate to the ‘Execution’ tab.

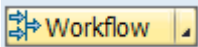
The screen below shows the number of objects grouped by decisions.

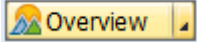


The buttons on this screen operate by clicking the right hand down arrow  details on what each button does are as below.

The ‘Execution’ button  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  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  allows the user to open and close this phase.

The 'Overview' button  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 Mass execution Workflow Overview | | | | | | |
| Conflicting Objects | Status | Confs | Decisions | Decision | Executed | Obj. Name |
| ✖ All Object Types | 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 |
| ✖ 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 |
| ✖ ZZ_MSG_6 | Completed | 1 | 1 | Rename CN2 | | 1 ZZ_MSG_6A |
| ✖ ZZ_PROG_6 | Completed | 1 | 1 | Rename CN2 | | 1 ZZ_PROG_6A |
| ✖ ZZ_SCH_6 | 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 System CN2 | Completed | 15 | 15 | 15 |
| ▶ ZZ_FM_6 | Completed | 1 | 1 Rename CN2 | 1 ZZ_FM_6A |
| ▶ ZZ_CLAS | Display | | | 1 ZZ_CLASS_6A |
| ▶ ZZ_DOM | Syntax check | | | 1 ZZ_DOMA_6A |
| ▶ ZZ_DTEL | Explore | | | 1 ZZ_DTEL_6A |
| ▶ EZZ_LOCK | Execute | | | 1 EZZ_LOCK_6A |
| ▶ ZZ_FG_6 | | 1 | 1 Rename CN2 | 1 ZZ_FG_6A |
| ▶ ZZ_INT_6 | Completed | 1 | 1 Rename CN2 | 1 ZZ_INT_6A |
| ▶ ZZ_MSG_6 | Completed | 1 | 1 Rename CN2 | 1 ZZ_MSG_6A |
| ▶ ZZ_PROG_6 | Completed | 1 | 1 Rename CN2 | 1 ZZ_PROG_6A |
| ▶ ZZ_SCH_6 | Completed | 1 | 1 Rename CN2 | 1 ZZ_SCH_6A |

Secondly running a syntax check in the respective systems.

| | | | | |
|------------------------|--------------|----|--------------|---------------|
| ▼ Rename in System CN2 | Completed | 15 | 15 | 15 |
| ▶ ZZ_FM_6 | Completed | 1 | 1 Rename CN2 | 1 ZZ_FM_6A |
| ▶ ZZ_CLAS | Display | 1 | 1 Rename CN2 | 1 ZZ_CLASS_6A |
| ▶ ZZ_DOM | Syntax check | | | 1 ZZ_DOMA_6A |
| ▶ ZZ_DTEL | Explore | | | 1 ZZ_DTEL_6A |
| ▶ EZZ_LOCK | Execute | | | 1 EZZ_LOCK_6A |
| ▶ ZZ_FG_6 | | 1 | 1 Rename CN2 | 1 ZZ_FG_6A |
| ▶ ZZ_INT_6 | Completed | 1 | 1 Rename CN2 | 1 ZZ_INT_6A |
| ▶ ZZ_MSG_6 | Completed | 1 | 1 Rename CN2 | 1 ZZ_MSG_6A |
| ▶ ZZ_PROG_6 | Completed | 1 | 1 Rename CN2 | 1 ZZ_PROG_6A |
| ▶ ZZ_SCH_6 | 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 |

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

| | | | | |
|------------------------|--------------|----|-----------------------------|---------------|
| ▼ Rename in System CN2 | Completed | 15 | 15 | 15 |
| ▶ ZZ_FM_6 | Completed | 1 | 1 Rename CN2 | 1 ZZ_FM_6A |
| ▶ ZZ_CLAS | Display | 1 | 1 Rename CN2 | 1 ZZ_CLASS_6A |
| ▶ ZZ_DOM | Syntax check | 1 | 1 Rename CN2 | 1 ZZ_DOMA_6A |
| ▶ ZZ_DTEL | Explore | | Explore Relationships (CN1) | 1 ZZ_DTEL_6A |
| ▶ EZZ_LOCK | Execute | | Explore Relationships (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 |
| ▶ ZZ_MSG_6 | Completed | 1 | 1 Rename CN2 | 1 ZZ_MSG_6A |
| ▶ ZZ_PROG_6 | Completed | 1 | 1 Rename CN2 | 1 ZZ_PROG_6A |
| ▶ ZZ_SCH_6 | 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 |

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 | Data Element | YBT_BASE_VERSION_TEXT | |

.....

Parent Objects (2)

| Type | Object | Object name | Object |
|------|---------|------------------|--------|
| STRU | Unknown | YSF_BASE_VERSION | |
| STRU | Unknown | YST_BASE_VERSION | |

.....

Child Objects (2)

| Type | Object | Object name | Object |
|------|-------------------|-----------------------|--------|
| DOMA | Domain | YBT_BASE_VERSION_TEXT | |
| DOMD | Domain Definition | 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.


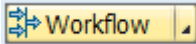
Status Options

- 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 System CN2 | Completed | 15 | 15 | 15 |
| ▸ ⚙️ ZZ_FM_6 | Completed | 1 | 1 Rename CN2 | 1 ZZ_FM_6A |
| ▸ ⭐ ZZ_CLAS | Display | 1 | 1 Rename CN2 | 1 ZZ_CLASS_6A |
| ▸ 📄 ZZ_DOM | Syntax check | 1 | 1 Rename CN2 | 1 ZZ_DOMA_6A |
| ▸ 📄 ZZ_DTEL | Explore | 1 | 1 Rename CN2 | 1 ZZ_DTEL_6A |
| ▸ 📄 EZZ_LOCK | Execute | 1 | 1 Rename CN2 | 1 EZZ_LOCK_6A |
| ▸ ⚙️ ZZ_FG_6 | Execute decision | | | 1 ZZ_FG_6A |
| ▸ 📄 ZZ_INT_6 | View execution log | | | 1 ZZ_INT_6A |
| ▸ 📄 ZZ_MSG_6 | Check consistency | | | 1 ZZ_MSG_6A |
| ▸ 📄 ZZ_PROG_6 | Set Status | | | 1 ZZ_PROG_6A |
| ▸ 📄 ZZ_SCH_6 | Undo execution | | | 1 ZZ_SCH_6A |
| ▸ 📄 ZZSTRU_6 | In progress | | | 1 ZZSTRU_6A |
| ▸ 📄 ZZTABLE6 | Executed | | | 1 ZZTABLE6A |
| ▸ 📄 ZZ_TT_6 | Failed | | | 1 ZZ_TT_6A |
| ▸ 📄 ZZPH6 | Undone | | | 1 ZZPH6A |
| ▸ 📄 ZZ_VW6 | Reset to initial | | | 1 ZZ_VW6A |
| ▸ 📄 Tense | No execution | 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  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.

The screenshot shows the 'Configuration' drawer in the Consolidator application. At the top, under the 'CONTEXT' header, there is a 'Plan' section with a dropdown menu showing 'ECC Consolidation' and a green checkmark icon. Below this, the 'Status' is indicated as 'Active'. A horizontal bar contains four tabs: 'Overview', 'Results', 'Operation', and 'Configuration', with 'Configuration' being the active tab. Below the tabs, the 'Configuration options' section is visible, containing a table with the following items:

| Type | Description |
|------|-----------------------|
| | <u>Steps</u> |
| | <u>Groups</u> |
| | <u>Process chains</u> |
| | <u>Systems</u> |
| | <u>Plans</u> |


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


 Display of plan 0000000037




Header

Plan name























ECC Consolidation

 Hea...

 Workfl...

  Open phase  Close phase

Consolidation workflow

| Type | Stage | Phase | St. | Status | Opened by | Opened on | Closed by | Closed on |
|---|---------------------|-----------|---|--------|-----------|------------|-----------|------------|
|  | Customizing data | Analysis |  | Closed | TENGLAND | 01.03.2016 | TENGLAND | 01.03.2016 |
|  | Customizing data | Decision |  | Closed | TENGLAND | 01.03.2016 | TENGLAND | 01.03.2016 |
|  | Customizing data | Execution |  | | | | | |
|  | Customizing data | Transfer |  | | | | | |
|  | Hard coded literals | Analysis |  | Closed | TENGLAND | 01.03.2016 | TENGLAND | 01.03.2016 |
|  | Hard coded literals | Decision |  | Closed | TENGLAND | 01.03.2016 | TENGLAND | 01.03.2016 |
|  | Hard coded literals | Execution |  | Closed | TENGLAND | 01.03.2016 | TENGLAND | 01.03.2016 |
|  | Custom objects | Analysis |  | Closed | TENGLAND | 28.02.2016 | TENGLAND | 28.02.2016 |
|  | Custom objects | Decision |  | Closed | TENGLAND | 28.02.2016 | TENGLAND | 01.03.2016 |
|  | Custom objects | Execution |  | Closed | TENGLAND | 01.03.2016 | TENGLAND | 01.03.2016 |
|  | Custom objects | Transfer |  | Open | TENGLAND | 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.

Consolidation Cockpit

CONTEXT

Plan

ECC Consolidation

Overview
Results
Operation
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 | |

Execute Schedule

| Process chain | Reference | Act. | Order | System | Select | St. | Status | St. date | St. time | End d |
|-------------------------------------|------------|------|-------|--------|--------|-----|--------|----------|----------|-------|
| Custom objects transfer | 006 | | | | | | | | | |
| Custom objects transfer | 0000000005 | | 1 | | | | | | | |
| Build custom objects transfer list | 0000000023 | | 1 T03 | | | | | | | |
| Custom objects transfer - transport | 0000000028 | | 2 T03 | | | | | | | |
| Custom objects mass activation | 0000000025 | | 3 T03 | | | | | | | |

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 [results](#) screen.

Consolidation Cockpit

CONTEXT

Plan

ECC Consolidation

Overview
Results
Operation
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 | |

Abort Log Job overview

| Process chain | Reference | Act. | Order | System | Select | St. | Status | St. date | St. time | End date | End time |
|-------------------------------------|------------|------|-------|--------|--------|-----|----------|------------|----------|------------|----------|
| Custom objects transfer | 006 | | | | | | Finished | 25.05.2016 | 19:05:14 | 25.05.2016 | 19:08:08 |
| Custom objects transfer | 0000000005 | | 1 | | | | Finished | 25.05.2016 | 19:05:14 | 25.05.2016 | 19:08:08 |
| Build custom objects transfer list | 0000000023 | | 1 T03 | | | | Finished | 25.05.2016 | 19:05:14 | 25.05.2016 | 19:05:19 |
| Custom objects transfer - transport | 0000000028 | | 2 T03 | | | | Finished | 25.05.2016 | 19:05:19 | 25.05.2016 | 19:05:25 |
| Custom objects mass activation | 0000000025 | | 3 T03 | | | | Finished | 25.05.2016 | 19:05:25 | 25.05.2016 | 19:08:08 |

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
Plan
ECC Consolidation

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

Run history : Custom objects transfer

| Runtime ID | System A | System B | Created by | St. Status | Last step | Start date | Start time | End date | End time | Job | Job no. |
|------------|----------|----------|------------|------------|------------|------------|------------|------------|----------|-----|---------|
| 00001 | (CN1) | (CN2) | TENGLAND | Finished | 0000000025 | 25.05.2016 | 19:05:14 | 25.05.2016 | 19:08:08 | | |

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.

Consolidation Cockpit

CONTEXT

Plan

ECC Consolidation

Status : Active

Overview

Results

Result Areas

Type Consolidation stage

Plan consistency checks

Workflow

Customizing Data


Hard-coded Literals

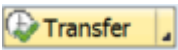
Custom Objects

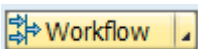
Anal... Decision Execution Trans...

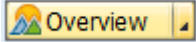
Transfer Workflow Overview

| Transfer 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) | Transfer not started | 0 | 0 | 0 | 0 |
| 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 | Transfer not started | 0 | 0 | 0 | 0 |
| Number range object | Transfer complete | 2 | 2 | 0 | 100 |
| Parameter ID | Transfer not started | 0 | 0 | 0 | 0 |
| Program | Transfer complete | 15 | 15 | 0 | 100 |
| Search Help | Transfer complete | 9 | 9 | 0 | 100 |
| SAP SmartForms | Transfer not started | 0 | 0 | 0 | 0 |
| Authorization Objects | Transfer complete | 1 | 1 | 0 | 100 |
| BAdI Implementation | Transfer not started | 0 | 0 | 0 | 0 |
| Table | Transfer complete | 16 | 16 | 0 | 100 |
| Standard texts | Transfer not started | 0 | 0 | 0 | 0 |
| Transaction | Transfer complete | 1 | 1 | 0 | 100 |
| Table Type | Transfer complete | 9 | 9 | 0 | 100 |
| Type Group | Transfer complete | 3 | 3 | 0 | 100 |
| View | Transfer complete | 6 | 6 | 0 | 100 |

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

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

The 'Overview' button  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 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.

| Anal... Decision Execution Trans... | | | | | | |
|--------------------------------------|--|----------------------|---------|---------|--------|-------|
| Transfer Workflow Overview | | | | | | |
| Transfer 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) | | Transfer not started | 0 | 0 | 0 | 0 |
| 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 | | Transfer not started | 0 | 0 | 0 | 0 |
| Number range object | | Transfer complete | 2 | 2 | 0 | 100 |
| Parameter ID | | Transfer not started | 0 | 0 | 0 | 0 |
| Program | | Transfer complete | 15 | 15 | 0 | 100 |
| All objects to be transferred | | | 15 | 0 | 0 | 0 |
| Objects transferred successfully | | 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 |
| ZGF_CON_PROG_TESTCON | | 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 |
| Objects still to be transferred | | 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 |
| 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 transferred | ⚠ | 15 |
| ▾ Objects transferred successfully | ✅ Transfer complete | 15 |
| • ZCN_INCL_001 | ✅ Transfer complete | 1 |
| • ZCN_PROG_0 | Display ▸ Display in CN1 | 1 |
| • ZCN_USAGE_I | Syntax check ▸ Transfer complete | 1 |
| • ZGF_CON_PRO | Transfer ▸ Transfer complete | 1 |
| • ZTE179 | Transfer complete | 1 |
| • ZTE179_1 | Transfer complete | 1 |

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


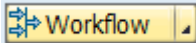
| | | |
|------------------------------------|------------------------------|---|
| ▸ All objects to be transferred | ⚠ | 1 |
| ▾ Objects transferred successfully | ✅ Transfer complete | 1 |
| • ZCN_INCL_001 | ✅ Transfer complete | |
| • ZCN_PROG_0 | Display ▸ Transfer complete | |
| • ZCN_USAGE_I | Syntax check ▸ Check in CN1 | |
| • ZGF_CON_PRO | Transfer ▸ Transfer complete | |
| • ZTE179 | Transfer complete | |
| • ZTE179_1 | Transfer complete | |
| • ZTE179_2 | Transfer complete | |

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

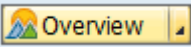
| | | | | | | |
|--|---|-------------------|----|---|---|---|
| ‣ All objects to be transferred |  | | 15 | 0 | 0 | 0 |
| ‣ Objects transferred successfully |  | Transfer complete | 15 | 0 | 0 | 0 |
| ‣  ZCN_INCL_001 |  | Transfer complete | 1 | 0 | 0 | 0 |
| ‣  ZCN_PROG_001 | <div><div>Display</div><div>Syntax check</div><div>Transfer</div></div> | Transfer complete | 1 | 0 | 0 | 0 |
| ‣  ZCN_USAGE_001 | | Transfer complete | 1 | 0 | 0 | 0 |
| ‣  ZGF_CON_PROG_001 | | Transfer complete | 1 | 0 | 0 | 0 |
| ‣  ZTE179 | | Display in target | 1 | 0 | 0 | 0 |
| ‣  ZTE179_1 |  | Set Status | | | | 0 |
| ‣  ZTE179_2 |  | Transfer complete | | | | 0 |
| ‣  ZTE179_3 |  | Transfer complete | | | | 0 |
| ‣  ZTE179_4 |  | Transfer complete | | | | 0 |
| ‣  ZTE179_5 |  | Transfer complete | | | | 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  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  allowing users to view the reports for that specific phase.

Overview

Consolidation overview

| Type | Consolidation stage | Consolidation... | Opt. | Opt. |
|---|---------------------|------------------|---|---|
|  | All stages | |  |  |
|  | Customizing data | |  |  |
|  | Customizing data | Analysis |  |  |
|  | Customizing data | Decision |  |  |
|  | Customizing data | Execution |  |  |
|  | Customizing data | Transfer |  |  |
|  | Hard Coded Literals | |  |  |
|  | Hard Coded Literals | Analysis |  |  |
|  | Hard Coded Literals | Decision |  |  |
|  | Hard Coded Literals | Execution |  |  |
|  | Custom Objects | |  |  |
|  | Custom Objects | Analysis |  |  |
|  | Custom Objects | Decision |  |  |
|  | Custom Objects | Execution |  |  |
|  | Custom Objects | Transfer |  |  |

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

CONTEXT

Plan

ECC Consolidation

Status : Active

Overview

Consolidation overview

| Type | Consolidation stage | Phase | Opt. | Opt. |
|---------------------|---------------------|-------|------|------|
| All stages | | | | |
| Customizing data | | | | |
| Customizing data | Analysis | | | |
| Customizing data | Decision | | | |
| Customizing data | Execution | | | |
| Customizing data | Transfer | | | |
| Hard Coded Literals | | | | |
| Hard Coded Literals | Analysis | | | |
| Hard Coded Literals | Decision | | | |
| Hard Coded Literals | Execution | | | |
| Custom Objects | | | | |
| Custom Objects | Analysis | | | |

Results

Operation

Configuration

About

ECC Consolidation

Status : Active

First system : System DZZ (D01)

Second system : Test system (D02)

Target system : Test system (D02)

Transfer method : Transport


TR used for first system : D01K922625

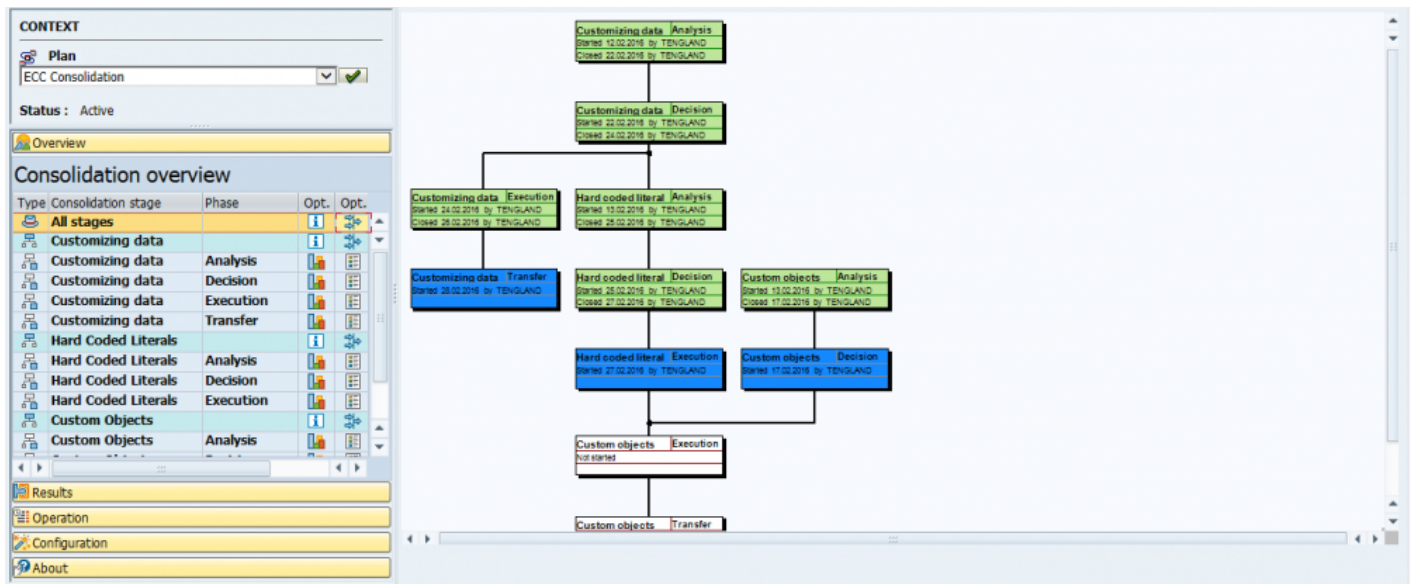
TR used for second system : D02K901382


System renamed by default : Test system (D02)

Workflow validation

| Stage | Phase | St. | Opened | By | Closed | By |
|---------------------|-----------|-----|------------|----------|------------|----------|
| Customizing data | Analysis | ✓ | 12.02.2016 | TENGLAND | 22.02.2016 | TENGLAND |
| Customizing data | Decision | ✓ | 22.02.2016 | TENGLAND | 24.02.2016 | TENGLAND |
| Customizing data | Execution | ✓ | 24.02.2016 | TENGLAND | 26.02.2016 | TENGLAND |
| Customizing data | Transfer | ✗ | 26.02.2016 | TENGLAND | - | - |
| Hard coded literals | Analysis | ✓ | 13.02.2016 | TENGLAND | 25.02.2016 | TENGLAND |
| Hard coded literals | Decision | ✓ | 25.02.2016 | TENGLAND | 27.02.2016 | TENGLAND |
| Hard coded literals | Execution | ✗ | 27.02.2016 | TENGLAND | - | - |
| Custom objects | Analysis | ✓ | 13.02.2016 | TENGLAND | 17.02.2016 | TENGLAND |

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



The 'Customizing Data' information button  can be used to gain an overview of the whole 'Customizing Data' stage in the plan. This works in the same way for the other stages.

CONTEXT

Plan

ECC Consolidation

Status : Active

Overview

Consolidation overview

| Type | Consolidation stage | Phase | Opt. | Opt. |
|---------------------|---------------------|-------|------|------|
| All stages | | | | |
| Customizing data | Analysis | | | |
| Customizing data | Decision | | | |
| Customizing data | Execution | | | |
| Customizing data | Transfer | | | |
| Hard Coded Literals | Analysis | | | |
| Hard Coded Literals | Decision | | | |
| Hard Coded Literals | Execution | | | |
| Custom Objects | Analysis | | | |
| Custom Objects | Analysis | | | |

Results

Operation

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Customizing progress

Analysis

Progress: 100%

Decision

Progress: 100%

Execution

Progress: 100%

Transfer

Progress: 50%

ECC Consolidation

First system : System DZZ (D01)

Second system : Test system (D02)

Target system : Test system (D02)

Number of tables in D01 : 30837

Number of tables in D02 : 3682

Number of rows in D01 : 4508580

Number of rows in D02 : 233569

Number of conflicts : 184935

Number of identical lines : 183660

Conflicts with different data : 1275


Number of non existing keys : 23382




Number of translations : 1255


Number of modified lines : 11161

Customizing activities





































| Activity | Date | User |
|-------------------------------------|------------|----------|
| Last decision | 22.02.2016 | TENGLAND |
| Last execution | 24.02.2016 | TENGLAND |
| Last transfer | 29.02.2016 | TENGLAND |
| Last run of "Customizing analysis" | 18.02.2016 | TENGLAND |
| Last run of "Customizing decision" | 22.02.2016 | TENGLAND |
| Last run of "Customizing execution" | 24.02.2016 | TENGLAND |
| Last run of "Customizing transfer" | - | TENGLAND |

The 'Customizing Data' relationships button  can be used to gain an overview of the whole 'Customizing Data' stage the links and open and closed timings in the plan. This works in the same way for the other stages.

CONTEXT
 **Plan**
  
Status : Active

 **Overview**

Consolidation overview

| Type | Consolidation stage | Phase | Opt. | Opt. |
|---|---------------------------|-----------|---|---|
|  | All stages | |  |  |
|  | Customizing data | |  |  |
|  | Customizing data | Analysis |  |  |
|  | Customizing data | Decision |  |  |
|  | Customizing data | Execution |  |  |
|  | Customizing data | Transfer |  |  |
|  | Hard Code Literals | |  |  |
|  | Hard Code Literals | Analysis |  |  |
|  | Hard Code Literals | Decision |  |  |
|  | Hard Code Literals | Execution |  |  |
|  | Custom Objects | |  |  |
|  | Custom Objects | Analysis |  |  |

Results

Operation

Configuration

About

Customizing data Analysis

Started 12.02.2016 by TENGAND

Closed 22.02.2016 by TENGAND

Customizing data Decision

Started 22.02.2016 by TENGAND

Closed 24.02.2016 by TENGAND


Customizing data Execution

Started 24.02.2016 by TENGAND

Closed 25.02.2016 by TENGAND

Customizing data Transfer

Started 28.02.2016 by TENGAND

The 'Hard Code Literals' details button  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.

CONTEXT

Plan
ECC Consolidation

Status: Active


Overview

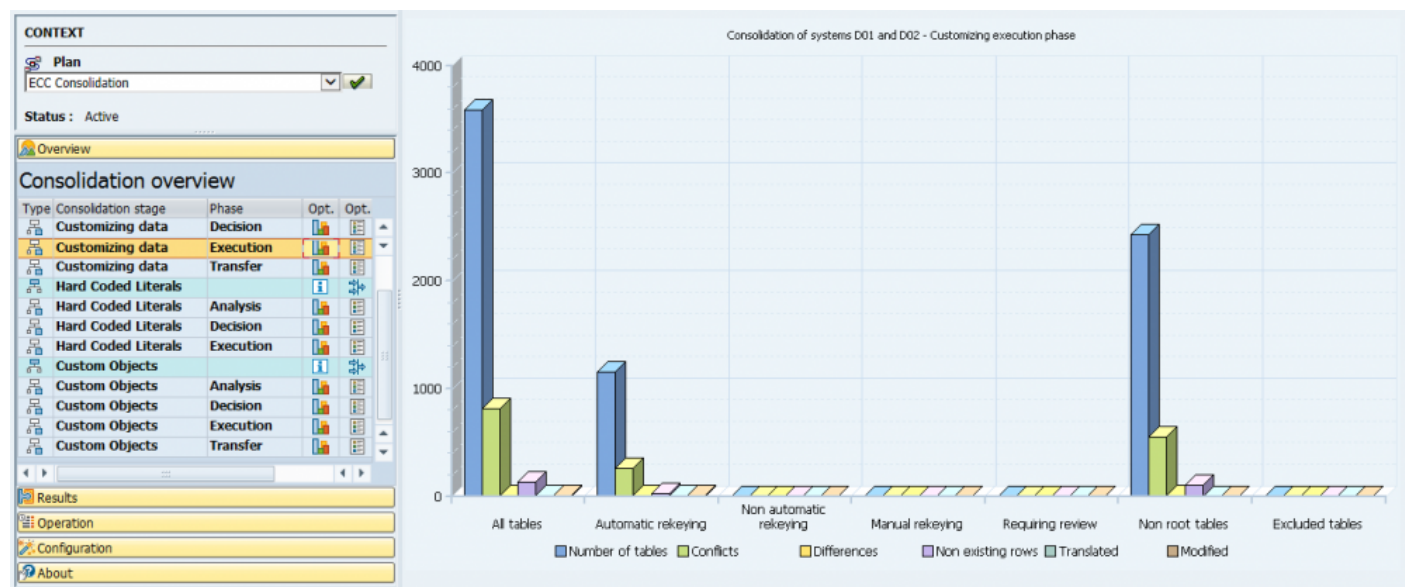
Consolidation overview

| Type | Consolidation stage | Phase | Opt. | Opt. |
|---------------------|---------------------|-------|------|------|
| Customizing data | Decision | | | |
| Customizing data | Execution | | | |
| Customizing data | 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 | | | |

Reporting - Hard coded literals - Decision phase

| System | Object type | Object Name | Sub object name | Type | Line | Offset | Status | Changed by | Changed on | Decision | Name |
|--------|-----------------|---------------------|---------------------|----------------------|------|--------|---------------|------------|------------|-----------|------|
| DZZ | Function Module | ZZ_CON_FUNC_TEST_10 | LZZ_CON_AMINE_01U01 | Function module para | 1 | | Decision made | TENGLAND | 25.02.2016 | Translate | |
| DZZ | Function Module | ZZ_CON_FUNC_TEST_10 | LZZ_CON_AMINE_01U01 | ABAP code | 19 | 14 | Decision made | TENGLAND | 25.02.2016 | Translate | |
| DZZ | Function Module | ZZ_CON_FUNC_TEST_10 | LZZ_CON_AMINE_01U01 | Text element | 20 | 8 | Decision made | TENGLAND | 25.02.2016 | Translate | TEXT |
| DZZ | Classes | ZGF_TEST_CLASS_3 | HCL_METHOD | Class attribute | 2 | | Decision made | TENGLAND | 25.02.2016 | Translate | |
| DZZ | Classes | ZGF_TEST_CLASS_3 | HCL_METHOD | ABAP code | 7 | 8 | Decision made | TENGLAND | 25.02.2016 | Translate | |
| DZZ | Classes | ZGF_TEST_CLASS_3 | HCL_METHOD | Text element | 8 | 15 | Decision made | TENGLAND | 25.02.2016 | Translate | TEXT |
| DZZ | Classes | ZGF_TEST_CLASS_3 | HCL_METHOD | Method parameter | 1 | | Decision made | TENGLAND | 25.02.2016 | Translate | |
| DZZ | Program | ZCN_PROG_001 | | ABAP code | 54 | 10 | Decision made | TENGLAND | 25.02.2016 | Translate | |
| DZZ | Program | ZCN_PROG_001 | | Text element | 55 | 8 | Decision made | TENGLAND | 25.02.2016 | Translate | TEXT |

The 'Customizing Data' graph button  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.