

ActiveControl - Release Notes

7.1 — Last update: 2018/06/19

Basis Technologies

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1. Introduction

ActiveControl is comprised of the following modules. Please note that these will be referred to throughout the documentation as the relevant product features can be associated to one or more of these modules:

- **Transport Espresso** – Core transport and change management module where transports, tasks, workflows, approvals, testing, imports and notifications occur
- **ShiftLeft** – Automated analysis process to check changes and transports for things like sequencing, completeness, risks, issues, dependencies, impacts and quality
- **DevAnalytics** – A set of KPIs and metrics to delivers deep insight into the performance of the SAP development and change process. Key metrics report on Velocity, Cycle Times, Rework & Waste, Work in progress and Approval times
- **DevMax** – Management of multi-track development processes enabling dynamic conflict detection and automated merge & retrofit

ActiveControl 7.1 was released in April 2018. These 7.1 Release Notes provide a combined overview of the new functionality rolled out since ActiveControl 7.0.

Previous releases of ActiveControl, Transport Espresso and Transport Express are detailed in separate Release Notes:

- ActiveControl 7.0 (*released August 2017*)
- Transport Espresso 6.20 (*released May 2016*)
- Transport Espresso 6.10 (*released June 2015*)
- Transport Espresso 6.00 (*released February 2015*)
- Transport Express 5.30 (*released September 2014*)
- Transport Express 5.20 (*released March 2014*)
- Transport Express 5.1n (*released 2013*)
- Transport Express 5.00 (*released 2012*)

2. SAP Certification

ActiveControl Transport Espresso is a SAP certified product:

- Certified for integration with SAP NetWeaver 7.01 via the SAP integration scenario ABAP Add-On Deployment for SAP NetWeaver (SAP report 36110100)
- Certified for integration with SAP NetWeaver 7.31 via the SAP integration scenario ABAP Add-On Deployment for SAP NetWeaver (SAP report 36110103)
- Certified for integration with SAP NetWeaver 7.40 oH via the SAP integration scenario ABAP Add-On Deployment on HANA for SAP NetWeaver (SAP report 3611086)
- Integration with SAP Transport Management System
- SAP Solution Manager Ready functionality

All ActiveControl SAP components exist within Basis Technologies' own namespace /BTI

3. ActiveControl 7.1

3.1. Read/Write Transport Forms in the Web UI

Over the past few years, Basis Technologies have received feedback from a number of customers that they did not want to roll out the Windows GUI to large user community. As a result of this feedback and our ongoing product strategy, we have been working to gradually move more functionality into the Web UI.

ActiveControl 7.0 added the ability to manage Delegates and complete Manual Steps in the Web UI – and also introduced a transaction in the SAPGUI to enable Developers and Functional teams to update existing Transport Forms in the Development system.

ActiveControl 7.1 takes this a considerable step further, by introducing read/write Transport Forms capability in the the Web UI – ie the ability to not only create Transport Forms in the Web UI, but also to be able to edit and maintain them later. This new functionality further enables Development/Functional teams to be more self-sufficient, particularly teams working on Java systems that previously had to use the Windows GUI to create Transport Forms for their non-ABAP transports.

The new functionality added in 7.1 includes the following:

- 1) Ability to create Transport Forms in the Web UI
- 2) Ability to edit existing Transport Forms in the Web UI (including custom fields)
- 3) Ability to delete existing Transport Forms in the Web UI
- 4) Ability to create Manual Steps in the Web UI
- 5) Ability to add Attachments at Transport Form level in the Web UI
- 6) Ability to move Transport Forms from one Business Task to another.

ActiveControl

Dashboard Overview Projects Reports

Search

Change & Release Manager | Edit details | Delegate approvals | Help | Log out

Ross McLanahan

Create business task

Create transport form

My approvals

My testing

Changes for my transports

Changes for my team

New business tasks

Refresh

Transport Expresso

Overview

Awaiting my approval 25

Awaiting my testing

In progress changes to

My incomplete manual

In progress changes to

New business tasks

Projects

P&G Project 1

New Transport Form

Transport Form source: Existing Transport Request

Transport ID:

OK Cancel

News / My recent activity / Following

Paul ESTEVES approved CHG120314 into ECC Test - BAU (T01) Logistics Divisions - USs 20 days ago

Karsten SEECAMP approved CRQ223388 out of CRM Development - BAU (D01) CRM settings Release C-3 (DIA) 22 days ago

Karsten SEECAMP approved testing for KSE 001-1 in ECC Development - BAU (D01) KSE 001-1 DIA 001 22 days ago

Karsten SEECAMP approved CRQ222999 into ECC Test - BAU (T01) KSE BT options check 22 days ago

Paul ESTEVES failed testing for CRQ000555 in ECC Test - BAU (T01) SD - Billing Changes for Germany 24 days ago

Paul ESTEVES failed testing for CRQ000555 in ECC Test - BAU (T01) SD - Billing Changes for Germany 24 days ago

Karsten SEECAMP approved testing for CRQ 100045 in CRM Test - BAU (T01) CRM Release 001 24 days ago

ActiveControl

Dashboard Overview Projects Reports

Search

Change & Release Manager | Edit details | Delegate approvals | Help | Log out

Ross McLanahan

Change

Delete Transport Form

Show transport properties

Check for conflicts

Close

Refresh

Transport Expresso

Properties of request: D01K936908

General Transport request details Transport status and history Advanced options Manual steps Attachments

Change type: Existing Transport Request

D01K936908: CRQ040945 - New WSR

Description of the changes made:

Date to Import:

Time to Import:

Product Area:

Type: Customizing

Group: Basis

Transport path: ECC BAU / Production Support

Related business tasks

Add Task Remove Task

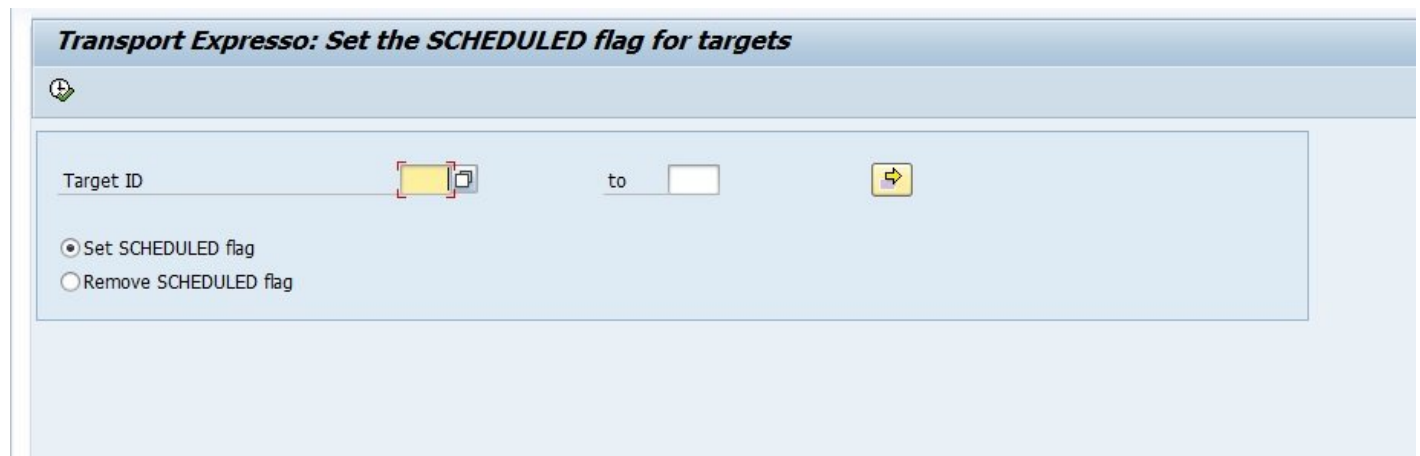
Subject	Reference	Project	Group
EL - New ECC information report	CRQ000427	BAU - Weekly Release (Week #1)	ECC

3.2. En-masse switch on/off scheduled imports

ActiveControl 7.1 introduces a new backend program to enable authorised users to perform an en-masse switch on/off of automated import Schedules configured against targets.

/BTI/TE_RTARGET_SET_SCHED_FLAG can be run via transaction SE38 in the Domain Controller.

Running it basically toggles the “Scheduled by Transport Espresso” flag in the Windows GUI, avoiding the need for ActiveControl Administrators or Basis teams to manually update each target one by one during periods where automated imports should not happen.

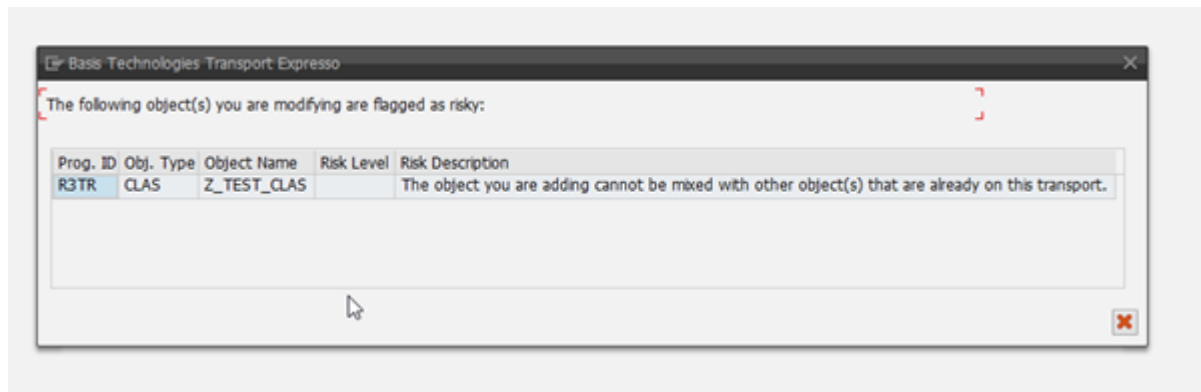


3.3. Transport (object) Splitting

ActiveControl 7.1 introduces functionality to enable splitting/segregation of transports to avoid object mixing.

This new functionality uses the standard Risk Guard functionality. Objects are defined in Risk Groups, and the objects in these Risk Groups are then prevented from being mixed with objects in other Risk Groups.

The functionality runs in the SAPGUI using the existing Inline Risk functionality. A message “The object you are adding cannot be mixed with other object(s) that are already on this transport.” will be presented when the Developer tries to mix objects from different Risk Groups that are not supposed to be mixed.



Configuration Steps

- 1) Configure the objects in the required risk groups (using /BTI/TE_RISKG and /BTI/TE_RISGOB)
- 2) Configure the Risk Groups in /BTI/TE_RISK_INL
- 3) Configure the new 'Object Split' active function (in /BTI/TE_ACTIVE)
- 4) Add a new entry in /BTI/TE_TVARV

Please refer to online FAQs for more detail of exactly what is required.

3.4. Integration Framework

3.4.1. GitLab Integration

ActiveControl 7.1 introduces an integration capability with GitLab.

This has been added for an ActiveControl customer at the forefront of DevOps for SAP, to help manage a CI/CD pipeline consisting of both SAP and non-SAP change.

The key deliverables of this particular Integration were:

- 1) Automation of the deployment of transports from Development environments to Test and Non-production environments via ActiveControl, as status changes happen on GitLab tool side.
- 2) Integration of ShiftLeft analyzers to the CI quality gates, code scan, code review, and unit tests – so that Analysis results are available from within GitLab.

For further information on the capabilities and potential of an ActiveControl Integration, please contact your Basis Technologies account executive.

3.4.2. Ability to assign Testers at system/role level

ActiveControl 7.1 introduces the ability in the Integration Framework to assign testers on a Business Task at a system/role level.

Previously, the testers were assigned at the default ALL SYSTEM testers, which caused confusion for some of our customers.

Prerequisites

The Integration must already be configured to use this new functionality.

Configuration Steps

In table /BTI/TE_INT_POLF, the value mapped to TEFIELDREF HEADER-TESTID will be used for the assigned tester for All Systems.

For System Roles or Specific Systems, the User applicable to the email address mapped to TEFIELDREF FLAT_TESTERS SMTP_ADDR_01 will be used

To determine which System Role or Specific Systems is to be used enter the field or constant value for:

System Roles TEFIELDREF FLAT_TESTERS-TARGETROLEID_01

Specific Systems TEFIELDREF FLAT_TESTERS-TARGETID_02

1) ALL SYSTEMS

ALLSYSTEM will be populated with a dummy user. The value mapped to HEADER-TESTID will be used to populate ALLSYSTEM

Data Browser: Table /BTI/TE_INT_POLF Select Entries 11					
EXTSYS_NO	SEQUENCE_NO	EXTERNAL_REF	TEFIELDREF	DATAFORMAT	
11	1	10010050500000000002	FLAT_TESTERS-TARGETROLEID_01	C	
11	1	MIKEY_MOUSE	HEADER-TESTERID	C	

2) SPECIFIC SYSTEMS

This configuration is used when creating a new business task and the assignee from Jira ticket is added to “Specific Systems” in a Business task. Please note that the EXTSYS and SEQUENCE values must match the ones defined in /BTI/TE_INT_POLH filter table. Only those rows in “yellow” should be configured and the rest should be left as they are. Make sure that both FLAT_TESTERS-TARGETID_02 and HEADER-TESTERID are both set as constant, as shown in “DATAFORMAT” column field

Data Browser: Table /BTI/TE_INT_POLF Select Entries 11					
	EXTSYS_NO	SEQUENCE_NO	EXTERNAL_REF	TEFIELDREF	DATAFORMAT
	11	1	185	FLAT_TESTERS-TARGETID_02	C
	11	1	MIKEY_MOUSE	HEADER-TESTERID	C
	11	1	changelog-histories[1]-created	HEADER-CF_511	T
	11	1	fields-assignee-emailAddress	FLAT_TESTERS-SMTP_ADDR_02	
	11	1	fields-created	TIMESTAMP	T
	11	1	fields-description	DESCRIPTION	
	11	1	fields-issuetype-id	HEADER-TYPEID	
	11	1	fields-priority-id	HEADER-PRIORITY	
	11	1	fields-project-key	HEADER-PROJECTID	
	11	1	fields-summary	HEADER-CAPTION	
	11	1	key	HEADER-REFERENCE	

3.5. ShiftLeft Analysers (7.1)

3.5.1. Approver SOD Check (0063)

0063 Approver SOD check allows customers to ensure that a particular user does not perform two particular (configurable) control point approvals within ActiveControl.

It was added in response to a couple of customers wanting to make sure the same user did not do the Production Inbox approval if they had performed a particular Test Queue or Inbox/Outbox sign-off in the preceding Test system.

The analyser should be switched on in the second approval point, where you want to ensure the approver cannot be the same person that did the approval of the same transport(s) in a prior approval point. These two approval points can be any locations in the path, they do not need to be adjacent in the workflow.

Analyser Parameters

CONTROL_POINT: This is the prior Inbox/Test Queue/Outbox that you want to check against

TARGET: This is the number of the prior Target that you want to check against.

MESSAGE: This is the custom message that you want to be presented to the Approver when they try to perform an approval when it was them that did the approval in the defined prior Target/Control Point.

Target Properties - ECC - Production RMCL (T01)

General Import Options Import Options II Inbox (Pending) Approvers Outbox Approvers Analysis Types

Location

▼ All

- Inbox
- Import Queue

Analysis Type

Id	Description
<input type="checkbox"/> 0061	Critical impact analysis
<input type="checkbox"/> 0062	Check Inter-dependencies in Pat
<input checked="" type="checkbox"/> 0063	Approver SOD Check
<input type="checkbox"/> 9001	Check Task Tester
<input type="checkbox"/> 9002	Check Regression Start Date
<input type="checkbox"/> 9003	Task and Transport Type Validat
<input type="checkbox"/> 9004	Check Task Approval
<input type="checkbox"/> 9005	Check Transport Objects
<input type="checkbox"/> 9006	Tarkett, check name standard of
<input type="checkbox"/> 9007	BAT Check Task CRs
<input type="checkbox"/> 9008	List transport forms
<input type="checkbox"/> 9009	Transport Express: Analysis to .
<input type="checkbox"/> 9010	Check presence of custom field
<input type="checkbox"/> 9011	Holiday calendars

Settings

Parameter	Value
Attributes	
Id	0063
Name	Approver SOD Check
Mandatory	No
Check Subsequent Target	No
Approval & Import Prevention	
Parameters	
CONTROL_POINT	OUTBOX
MESSAGE	You cannot approve the Production Inb
TARGET	0369

Add Remove

OK Cancel

3.5.2. Check SAP Import (0064)

0064 Check SAP Import enables customers to check if a transport has already been imported at an SAP level before an approval is performed within Transport Espresso.

It was specifically added for a customer that integrates Transport Espresso with another 3rd Party change tool, and they wanted to make sure that a transport had been imported into a particular SAP system in which transport imports were not managed by Transport Espresso before it was approved to be Merged through Transport Espresso.

If the transport has NOT already been imported, the analyser will return a warning.

Analyser Parameters

MSG: This is the message that you want to be presented to the user if the analysed transport(s) have not been imported to the defined SAP system.

SID: This is the SAP system that you want to check if the analysed transport has been imported.

Target Properties - PROD (I01)

General Import Options Import Options II Inbox (Pending) Approvers Outbox Approvers Analysis Types

Location

- All
 - Inbox
 - Import Queue
 - Outbox

Analysis Type

Id	Description
<input type="checkbox"/> 0048	Changes to the same objects
<input type="checkbox"/> 0049	Allowed Objects Check
<input type="checkbox"/> 0050	Disallowed & Critical Objects Ch
<input type="checkbox"/> 0051	Check Documentation
<input type="checkbox"/> 0052	Automated Unit Tests
<input type="checkbox"/> 0053	Check component version
<input type="checkbox"/> 0055	Changes to the same objects (p
<input type="checkbox"/> 0057	Check custom fields entered
<input type="checkbox"/> 0059	Check sibling system imports
<input type="checkbox"/> 0060	Deep Impact Analysis (New)
<input type="checkbox"/> 0061	Critical impact analysis
<input type="checkbox"/> 0062	Check Inter-dependencies in Pat
<input type="checkbox"/> 0063	Approver SOD Check
<input checked="" type="checkbox"/> 0064	Check SAP Import

Settings

Parameter	Value
Attributes	
Id	0064
Name	Check SAP Import
Mandatory	Yes
Check Subsequent Target	No
Approval & Import Prevention	75
Parameters	
MSG	This has not been imported to D02 yet.
SID	D02

Check SAP Import into a system.

3.5.3. Integration Status Check (0065)

ShiftLeft: Integration Status Check enables an automated check to be performed on the status of a ticket in an integrated ITSM or other external system – and warn if the other tool ticket is not in the expected Status (as can potentially happen depending on the setup of the Integration / the external ticket being transitioned back in its workflow)

For example – if you are about to approve some Transports to move to Production in ActiveControl, but the corresponding external ticket for that Business Task is somehow sitting in status “Awaiting UAT”

The analyser has been build to satisfy a specific customer requirement for their existing ActiveControl integration with JIRA, however the Analyser can potentially also be used with any ITSM / external tool that is supported by the ActiveControl Integration Framework.

Prerequisites

Please note that this ShiftLeft Analyser requires some of the standard Integration framework to already be configured for your external system. (i.e /BTI/TE_INT_SYST plus associated configuration tables)

Analyser Parameters

EXTERNAL_SYSTEM_ID: Needs to match what was configured for your external system in table /BTI/TE_INT_SYST].

MSG: The message you want to appear in the ShiftLeft analyser output if there the expected/actual status' do not match.

STATUS_FIELD_NAME: This is the field name from the external System. E.g. status-name in the case of JIRA Status field.

STATUS_IN_EXTERNAL_SYSTEM: This is the Status field value from the external System that you want to check for (any other value will make the Analyser present a warning).

Target Properties - Dev System (ACD)

GeneralImport OptionsImport Options IIInbox (Pending) ApproversOutbox ApproversAnalysis Types

Location

All

Inbox

Import Queue

Test Queue

Outbox

Analysis Type

Id	Description
<input type="checkbox"/> 0049	Allowed Objects Check
<input type="checkbox"/> 0050	Disallowed & Critical Objects Ch
<input type="checkbox"/> 0051	Check Documentation
<input type="checkbox"/> 0052	Automated Unit Tests
<input type="checkbox"/> 0053	Check component version
<input type="checkbox"/> 0055	Changes to the same objects (p
<input type="checkbox"/> 0057	Check custom fields entered
<input type="checkbox"/> 0059	Check sibling system imports
<input type="checkbox"/> 0060	Deep Impact Analysis (New)
<input type="checkbox"/> 0061	Critical impact analysis
<input type="checkbox"/> 0062	Check Inter-dependencies in Pat
<input type="checkbox"/> 0063	Approver SOD Check
<input checked="" type="checkbox"/> 0064	Check SAP Import
<input checked="" type="checkbox"/> 0065	Integration status check

Settings

Parameter	Value
Attributes	
Id	0065
Name	Integration status check
Mandatory	No
Check Subsequent Target	No
Approval & Import Prevention	
Parameters	
EXTERNAL_SYSTEM_ID	JIRA
MSG	The JIRA ticket has unexpected Status for
STATUS_FIELD_NAME	status-name
STATUS_IN_EXTERNAL_SYSTEM	In Progress

3.5.4. Enhanced Conflict Analysis: Exclude TOCs

Previous versions of the following Conflict Analysis analysers included Transport of Copies (TOCs) in the analysis.

0035 Conflict Analysis

0005 DevMax: Conflict Analysis

This resulted in unnecessary conflict results for customers that make use of TOCs as part of their standard process.

To avoid this, a new parameter has been added to the above Analysers for customers that want to exclude TOCs from the Analysis results.

Configuration Steps

Switch on the EXCLUDE_TOC parameter (X) if you want to exclude Transport of Copies from the Analyser results.

Target Properties - ECC Project Dev - BAU (Merge) (D00)

General Import Options Import Options II Inbox (Pending) Approvers Outbox Approvers Analysis Types

Location

▼ All
Inbox
Import Queue

Analysis Type

Id	Description
<input type="checkbox"/> 0037	Incomplete Manual Steps
<input type="checkbox"/> 0039	Incomplete Manual Activities
<input checked="" type="checkbox"/> 0001	Risk Guard
<input checked="" type="checkbox"/> 0016	Dev Enforcer: Standards
<input type="checkbox"/> 0006	Dev Enforcer: Performance
<input type="checkbox"/> 0004	Dev Enforcer: Security
<input type="checkbox"/> 0003	Dev Enforcer: Naming Conventions
<input type="checkbox"/> 0043	Test Impact Radar
<input type="checkbox"/> 0023	Deep Impact Analysis
<input type="checkbox"/> 0047	BPCA Analysis
<input checked="" type="checkbox"/> 0005	DevMax: Conflict Analysis
<input type="checkbox"/> 0011	DevMax: CTS+ Conflict Analysis
<input type="checkbox"/> 0013	DevMax: BW Conflict Analysis
<input type="checkbox"/> 0025	DevMax: MDM Conflict Analysis
<input type="checkbox"/> 0000	Simple Manual Import

Settings

Parameter	Value
Attributes	
Id	0005
Name	DevMax: Conflict Analysis
Mandatory	Yes
Check Subsequent Target	No
Approval & Import Prevention	
Parameters	
CHECK_CONFLICT_FLAG	✓
EXCLUDE_TOC	✗
GLOBAL_MERGE_CHECK	
SHOW_CONFLICTING_OBJ_KEYS	
UNRELEASED_TRANSPORTS_CHECK	
USE_CACHE	
USE_CURRENT	

Add Remove

OK Cancel

3.5.5. Enhanced Conflict Analysis (Released/Unreleased)

Prior to ActiveControl 7.1, only one Reason code existed within Approval & Import Prevention parameter of the 0005 DevMax: Conflict Analysis and 0035 Conflict Analysis checks, which essentially meant that it was possible only to prevent all merges where there were conflicts on both released and unreleased transports, or alternatively allow the Approvers to do an Approve Anyway in all situations.

To facilitate this, three additions were made to the existing conflict analysers.

1) New UNRELEASED_TRANSPORT_CHECK parameter was added to allow multi-track customers to perform this additional released/unreleased conflict check differentiation.

Target Properties - PROD (I01)

General | Import Options | Import Options II | Inbox (Pending) Approvers | Outbox Approvers | **Analysis Types**

Location

- All
 - Inbox
 - Import Queue
 - Outbox**

Analysis Type

Id	Description
<input type="checkbox"/> 0003	Dev Enforcer: Naming Conventic
<input type="checkbox"/> 0043	Test Impact Radar
<input type="checkbox"/> 0023	Deep Impact Analysis
<input type="checkbox"/> 0047	BPCA Analysis
<input checked="" type="checkbox"/> 0005	DevMax: Conflict Analysis
<input type="checkbox"/> 0011	DevMax: CTS+ Conflict Analysis
<input type="checkbox"/> 0013	DevMax: BW Conflict Analysis
<input type="checkbox"/> 0025	DevMax: MDM Conflict Analysis
<input type="checkbox"/> 0022	Show Future Manual Steps
<input type="checkbox"/> 0024	Previous Import Errors
<input type="checkbox"/> 0026	Check Import Order
<input type="checkbox"/> 0027	Lock Control Point / Import Queu
<input type="checkbox"/> 0014	Check Transport Release
<input type="checkbox"/> 0015	Check Unicode

Settings

Parameter	Value
Attributes	
Id	0005
Name	DevMax: Conflict Analysis
Mandatory	Yes
Check Subsequent Target	No
Approval & Import Prevention	25.76
Parameters	
CHECK_CONF_FLAG	X
EXCLUDE_TOC	X
GLOBALMERGECHECK	
SHOW_CONFLICTING_OBJ_KEYS	X
UNRELEASED_TRANSPORTS_CHECK	
USE_CACHE	
USE_CURRENT	

2) A new column was added to the Report output – to indicate if the conflicting transport was released or unreleased.

This new column is switched on by adding the UNRELEASED_TRANSPORT_CHECK parameter. When set to X, this additional column will be seen in the report output.

3) A new 76 Reason code was added within the Approval & Import Prevention section of the analyser

This reason code is specifically to prevent/allow Approve Anyway on unreleased transports. Note that this parameter is completely redundant if the UNRELEASED_TRANSPORT_CHECK parameter is not set to X

Analysis Type Return Codes Configuration

Return Code Selection

Analysis Type: DevMax: Conflict Analysis Target: PROD (101) Location: Outbox

Return Code	Description	On Auto Approve Fail	Prevent Approval?	Prevent Import?	Admin Override?
25	Conflicts found	Ignore	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/>
76	Conflicts found in unreleased transports	Ignore	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

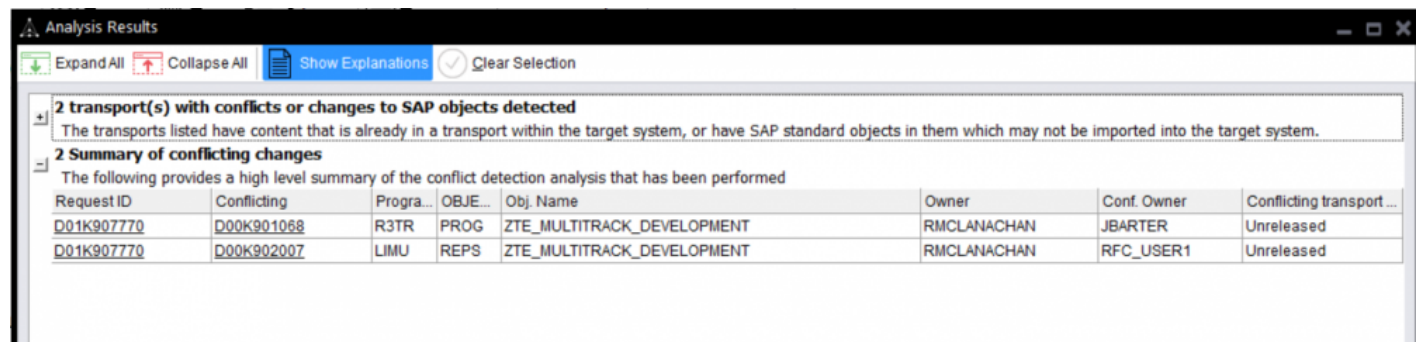
OK Cancel

3.5.6. Enhanced DevMax Conflict Analysis: Released

The standard DevMax Merge process will still merge where a conflict has been identified with an unreleased transport in the target Development system.

This can cause a risk of inflight work being overwritten / impacted.

ActiveControl 7.1 includes an enhanced 0005 DevMax: Conflict Analysis – whereby the Analysis results will highlight if the conflict is with a modifiable transport in the target system (last column in below screenshot), and also a new reason code to prevent the Merge from being done.



2 transport(s) with conflicts or changes to SAP objects detected
The transports listed have content that is already in a transport within the target system, or have SAP standard objects in them which may not be imported into the target system.

2 Summary of conflicting changes
The following provides a high level summary of the conflict detection analysis that has been performed

Request ID	Conflicting	Progra...	OBJE...	Obj. Name	Owner	Conf. Owner	Conflicting transport ...
D01K907770	D00K901068	R3TR	PROG	ZTE_MULTITRACK_DEVELOPMENT	RMCLANACHAN	JBARTER	Unreleased
D01K907770	D00K902007	LIMU	REPS	ZTE_MULTITRACK_DEVELOPMENT	RMCLANACHAN	RFC_USER1	Unreleased

Configuration Steps

Switch on the UNRELEASED_TRANSPORTS_CHECK (X) if you want to see an extra column indicating the release status of the conflicting transports.

Target Properties - ECC Project Dev - BAU (Merge) (D00)

General Import Options Import Options II Inbox (Pending) Approvers Outbox Approvers Analysis Types

Location

▼ All

- Inbox
- Import Queue

Analysis Type

Id	Description
<input checked="" type="checkbox"/> 0001	Risk Guard
<input checked="" type="checkbox"/> 0016	Dev Enforcer: Standards
<input type="checkbox"/> 0006	Dev Enforcer: Performance
<input type="checkbox"/> 0004	Dev Enforcer: Security
<input type="checkbox"/> 0003	Dev Enforcer: Naming Conventions
<input type="checkbox"/> 0043	Test Impact Radar
<input type="checkbox"/> 0023	Deep Impact Analysis
<input type="checkbox"/> 0047	BPCA Analysis
<input checked="" type="checkbox"/> 0005	DevMax: Conflict Analysis
<input type="checkbox"/> 0011	DevMax: CTS+ Conflict Analysis
<input type="checkbox"/> 0013	DevMax: BW Conflict Analysis
<input type="checkbox"/> 0025	DevMax: MDM Conflict Analysis
<input type="checkbox"/> 0022	Show Future Manual Steps
<input checked="" type="checkbox"/> 0024	Previous Import Errors
<input type="checkbox"/> 0026	...

Settings

Parameter	Value
Attributes	
Id	0005
Name	DevMax: Conflict Analysis
Mandatory	Yes
Check Subsequent Target	No
Approval & Import Prevention	
Parameters	
CHECK_CONF_FLAG	
EXCLUDE_TOC	
GLOBALMERGECHECK	
SHOW_CONFLICTING_ORL_KEYS	
UNRELEASED_TRANSPORTS_CHECK	X
USE_CACHE	
USE_CURRENT	

Add Remove

OK Cancel

3.5.7. Enhanced Risk Guard – Analysis results summary/breakdown – Web UI

ActiveControl 7.1 introduces the ability to see a summary list of analysis results in the Risk Guard analyser in the Web UI, but also have the ability to click on one of the rows in the results table and then be able to display a detail list of results relating to the summary line.

No configuration is required to enable this functionality.

2 transport(s) containing risky objects detected and have a risk level greater than 0				
2 risky objects detected				
Request ID	Short Description	Owner	Risk Level	
D01K915837	CRQ050406 - FI - General Ledger changes	JROBERTS	8	
Progr...	Obj...	Obj...	D..	Risk Level
R3TR	TABU	T001		8
Be careful when changing the critical Company Code table				
Request ID	Short Description	Owner	Risk Level	
D01K915838	CRQ050406 - FI - General Ledger scope creep	JBARTER	8	
Progr...	Obj...	Obj...	D..	Risk Level
R3TR	TABU	T001		8
Be careful when changing the critical Company Code table				

3.5.8. Risk Guard: URL linking from Analyser output

One of our customers had a requirement to be able to click on a URL in analysis results bring up the appropriate web page.

The specific use case was for the user to be able to click on the URL which will give then a more detailed description of the issue detected and steps or contact names for what to do and how to fix.

This functionality has been added in 7.1 for the Risk Guard analyser only.

Configuration Steps

Any required URLs can be added to the appropriate object via table /BTI/TE_RISKGObt in the Domain Controller

Table /BTI/TE_RISKGObt Change	
Check Table...	
GROUPID	BT0001
PGMID	R3TR
OBJECT	NROB
OBJ NAME	*
LANGU	EN
TEXT	Be careful when transporting number range objects. See attached URL.
WARNING MSG	
ERROR MSG	
URL	https://blogs.sap.com/2015/05/29/number-ranges-things-to-keep-in-mind/

3.6. Replacement of transport field exit with implicit enhancement

Prior to ActiveControl 7.1, the Transport Form popup in the SAPGUI Development system was always based on a transport field exit.

This field exit has now been replaced with an implicit enhancement.

Configuration Steps

The setup of the new implicit enhancement will be explained by Basis Technologies' Solution Specialist as part of onsite implementation.

The steps are also detailed on online FAQ "HOW DO I: setup the new popup (implicit enhancement spot version)".

3.7. Auto-set “Allow Progress When Incomplete” on Manual Steps

ActiveControl 7.1 introduces the ability to auto-set “Allow Progress When Incomplete” flag on Manual Steps.

This is to avoid the situation where subsequent transport imports were getting held up unnecessarily, due to Development/Functional teams omitting to set the flag on their own Manual Steps.

The screenshot shows the 'Properties of Request D01K907919' window. The 'Manual Steps' tab is active. The 'Steps' table has one entry: 'New Manual Step' with status 'Incomplete'. The 'Step Details' section shows the 'Allow Progress when Incomplete' checkbox is checked. The 'Run Manual Step' dropdown is set to 'Before Import'. The 'Status' is 'Incomplete'. The 'User Role' is set to 'User'. The 'Est. Effort (Mins)' is 0.

Title	Status
New Manual Step	Incomplete

Step Details

Step Detail Systems Users Attachments

Title: New Manual Step

Description:

Run Manual Step: Before Import

Status: Incomplete

Allow Progress when Incomplete: ☒

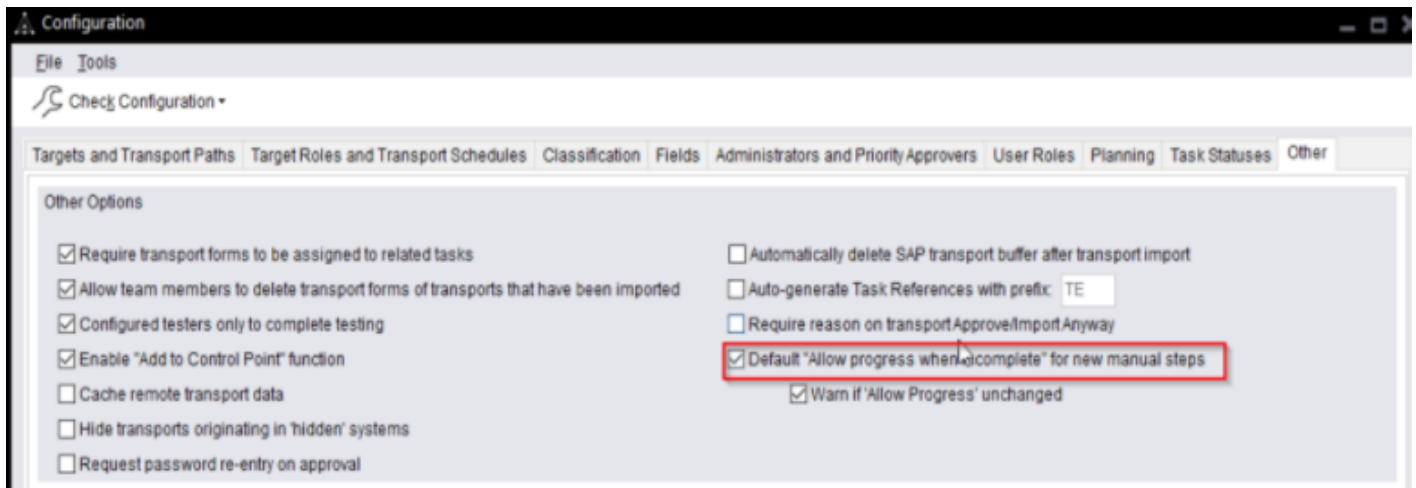
User Role: User

Est. Effort (Mins): 0

Configuration Steps

A new “Default “Allow progress when incomplete” flag is now set in the [Other’ tab of the Windows GUI configuration screens

Ticking this configuration option means that all newly created Manual Steps will have that flag automatically set.



A second configuration option “Warn if “Allow Progress” unchanged as also been added, which if checked, will alert the Manual Step creator if they have not changed the flag on an individual Manual Step.

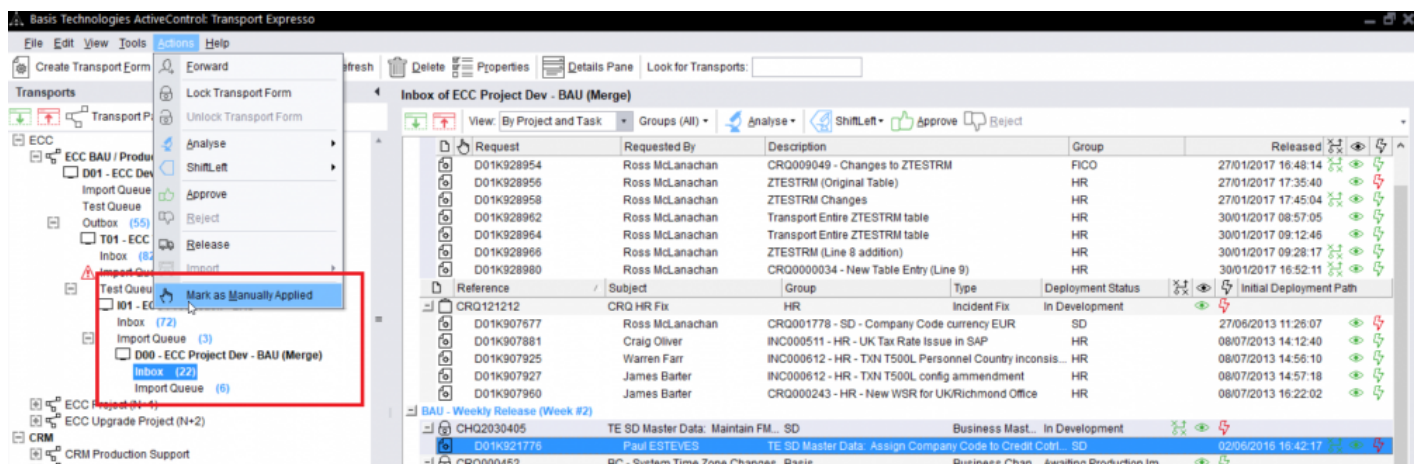
3.8. Perform 'Mark as Manually Applied' in Merge target Inbox

Prior to ActiveControl 7.1, it was only possible to reflect a manually dual-maintained transport using the 'Mark as Manually Applied' in a Merge target Import Queue.

This caused process issue for some customers, as it meant they could not use a Schedule in the Merge target to automate the merge process, as otherwise they ran the risk of unwanted merges.

To overcome this, it is also now possible to also perform 'Mark as Manually Applied' in a Merge target Inbox.

When this is done, the transport will be marked as completed (ie the Transport Form will disappear off the end of the path), similar to what happened when the action was performed in the Merge target Import Queue.



3.9. Mass add-to-control point (backend program)

A new backend program /BTI/TE_RMASS_ADD_TO_CP has been added to allow ActiveControl Administrators and Basis team to perform an en-masse addition of existing Transport Forms to a particular control point (Inbox, Test Queue or Outbox, NOT Import Queue).

This program was added for a few customers that wanted to quickly get a specific list of transports into a control point for a couple reasons.

- 1) to deploy a list of transports into a new path or parallel sub-path that got added after the transports had already been completed in the original path.
- 2) to reapply transports after a refresh or system copy.

The new report is run from the SAPGUI of the AC Domain Controller.

TE: Add transports to control point

Transport Request	Target	Location
	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>

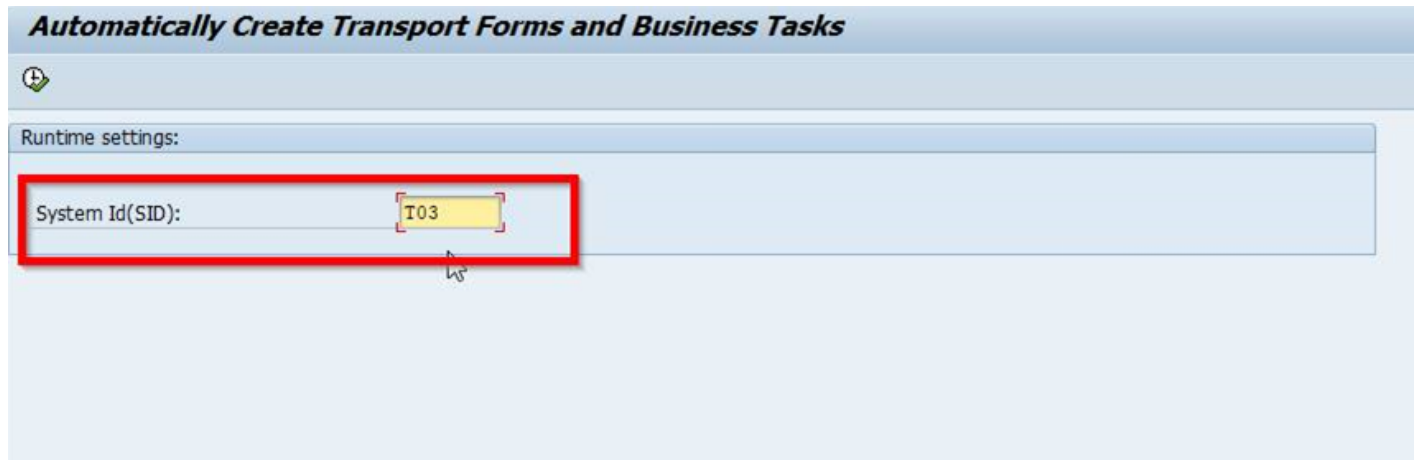
to

3.10. Auto-creation of Transport Forms and Business Tasks

As of ActiveControl 7.1, it is possible to auto-create Transport Forms and Business Tasks for transports that have been imported to Production.

This capability was added for a specific customer that wanted Transport Forms to be automatically created in a legacy landscape not being managed by ActiveControl, so that the Transports could be merged through ActiveControl. It will create Transport Forms and Business Tasks (with 1:1 Relationship – ie each TF automatically created will get its own separate BT) as follows:

A backend program (in the ActiveControl Domain Controller) called /BTI/TE_AUTOCREATE_BTTF will query transports in /TMWFLOW/TRACK. This report is enforced to only run in Background. The program looks only at transports with Step = "I" (because it is looking only for transports that have been Imported) and status not "F".



BT Reference field will be populated with the [Transport Number] of the source transport.

BT Description will be populated with the [Text Description] from /TMWFLOW/TRACK.

BT Project will be populated with whatever is defined against variable [Create_BT] in /BTI/TE_TVARV.

BT Type will be populated with whatever is defined against variable [Create_BT] in /BTI/TE_TVARV.

BT Group will be populated with whatever is defined against variable [Create_BT] in /BTI/TE_TVARV.

TF Group will be populated with whatever is defined against variable [Create_TF] in /BTI/TE_TVARV.

TF Type will be populated with whatever is defined against variable [Create_TF] in /BTI/TE_TVARV.

TF Path will be populated with whatever is defined against variable [Create_TF] in /BTI/TE_TVARV.

Last Run date for creation of BT/TF with variable [Create_BT_TF_RUNDATE] in /BTI/TE_TVARV
Last Run time for creation of BT/TF with variable [Create_BT_TF_RUNTIME] in /BTI/TE_TVARV.

Configuration Steps

Please refer to online FAQ entitled “HOW DO I: automatically create Transport Forms and Business Tasks?” for the steps involved in setting up this functionality.

3.11. Make custom fields read-only after a certain Deployment or Planning status

ActiveControl 7.1 introduces the ability to make custom fields read-only at a defined point in a workflow.

This is based on configuration of the fields and the status (either Deployment or Planning) at which the field should be locked down and become non-editable.

It is possible to set rules for custom fields existing at either Business Task or Transport Form level.

Configuration Steps

The configuration is done via backend table /BTI/TE_CF_STYLE in the ActiveControl Domain Controller.

Data Browser: Table /BTI/TE_CF_STYLE Select Entries 1

Table: /BTI/TE_CF_STYLE
Displayed Fields: 4 of 4 Fixed Columns: [3] List Width 0250

	FIELDID	DSID	PSID	READONLY
<input type="checkbox"/>	512	100111213000000005727		X

FIELD_ID: This is the number of the custom field that you want to make read-only, you can get this number from the Windows GUI Configuration screen

DSID: This is the Deployment Status (you can select the status from drop-down during configuration, you do not need to get the long GUID from another table)

PSID: This is the Planning Status (you can select the status from drop-down during configuration, you do not need to get the long GUID from another table). Note, most customers do not use Planning workflow so this field will be blank.

READONLY: You need to tick this box to 'activate' your rule.

Notes:

- (i) The sequence of statuses is based on what you have defined in [Task Statuses] configuration screen.
- (ii) User with authorization object Y_TEUSER for field '/BTI/TE_AC' should have the value 'EDITCUSTFIELD' to edit the configured field to edit the custom fields at any point, regardless if they are read-only due to the configuration.
- (iii) This functionality relies on a Deployment Status being defined for every target/location in your workflow. This should be done any for effective Reporting within ActiveControl, but it becomes even more important with this functionality. If you have not set Deployment statuses for some of your path/target/locations – you will see spurious results.
- (iv) This functionality uses the Task Statuses calculations (“Use latest step in sequence” or “Use earliest step in sequence”) defined in Windows GUI Configuration [Other] tab as part of its logic. This means that if you have more than one transport against a Business Task, you may see unexpected results depending on how you are calculating the status. For the same reason, you may also see unanticipated results in the event you link a Transport Form to more than one Business Task as part of your process. It should be noted that this activity is not generally recommended by Basis Technologies for most customers.

3.12. Skipping based on Project Phases

As of ActiveControl 7.1, skipping based on Project Phase dates is now possible.

This was added for the scenario where a customer wanted to skip a QA Inbox approval during the time of Project UAT testing, so that any fixes did not get held up by an Inbox approval. Outside of the dates specified for Project UAT, transports would stop for the QA Inbox approval

If the current date falls within the start/end date of a defined Project phase, the skipping of a particular control point can be done when a Transport Form is linked to a Business Task allocated to that particular Project.

Configuration Steps



- 1) Setup your Project Phases via the Web UI
- 2) Configure Skipping rules via /BTI/TE_SKIPCP in the backend

CLASS = METADATA

FIELD = PHASEID

ID = the Phase ID from /BTI/TE_PRJPHASE

(plus the target/location where you want skipping to occur)

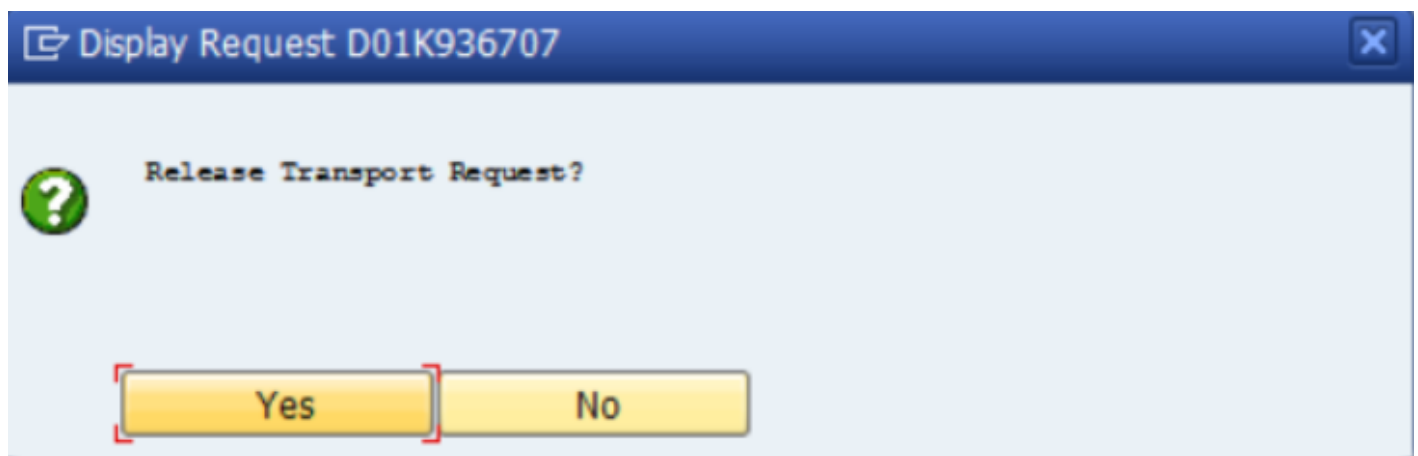
<i>Data Browser: Table /BTI/TE_SKIPCP Select Entries</i>										<i>1</i>
										
	CLASS	FIELD	ID	TARGET	LOCATION	RISKGROUP	SKIP	CUSTOM_FIELD	RISK_LEVEL	
	METADATA	PHASEID	8	188	I		X			

3.13. Minor Enhancements (7.1)

3.13.1. Prevent Developers releasing transports via ONRELEASE

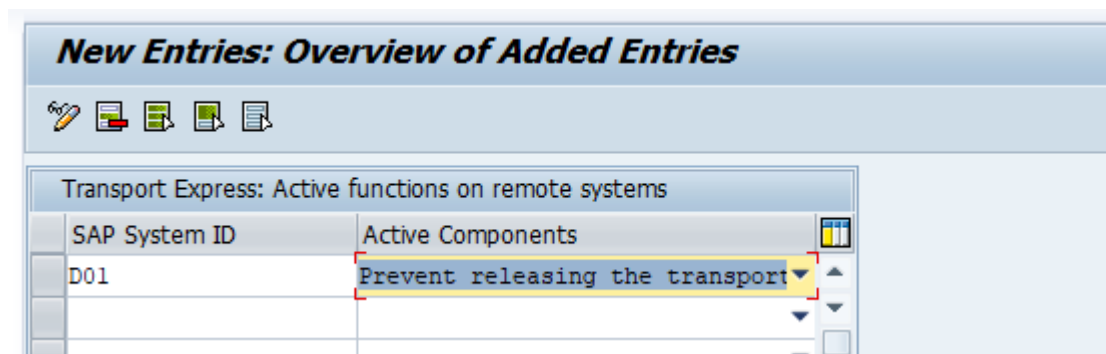
ActiveControl 7.1 introduces the ability to prevent the “Release Transport Request?” message appearing when using ONRELEASE active function to trigger the Transport Form.

This is something requested by several customers to avoid the risk of Developers releasing transports prematurely, before other Approvals have been performed in a subsequent control point.



Configuration Steps

1) Configure “Prevent Releasing the Transport” activity in table /BTI/TE_ACTIVE in the Domain Controller. The ONRELEASE active function still needs to be configured in the same table, to ensure the Transport Form popup is triggered.

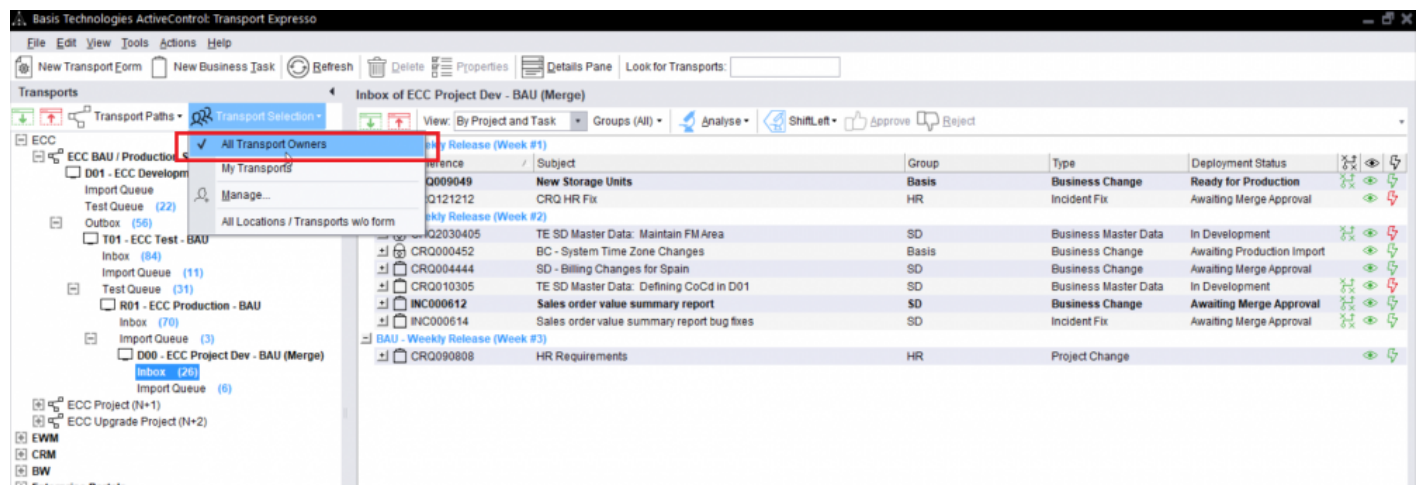


3.13.2. Default GUI Setting “All Transport Owners”

Previous to ActiveControl 7.1, the Windows GUI was installed with setting “My Transports” transport selection.

This often caused confusion for new users of the GUI, as to why they did not see any transports.

To avoid this confusion – and to avoid Administrators, Basis and Change & Release Managers having to change the setting whenever they reinstalled the GUI, the default transport selection has been changed to “All Transports Owners”.

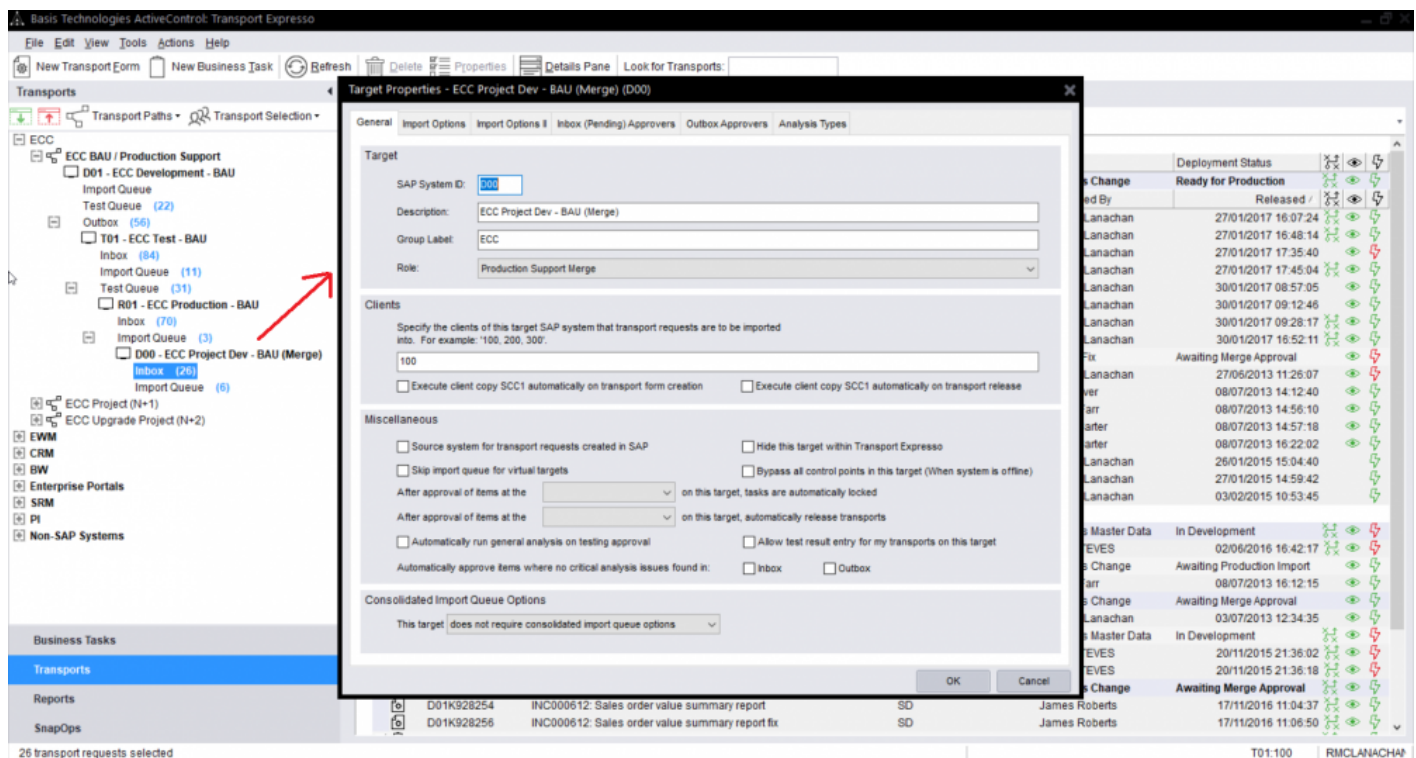


3.13.3. Display Target Properties from the transport path screen

ActiveControl 7.1 introduces the ability for authorised ActiveControl Administrators to access and maintain Target properties by double-clicking on the Target from the GUI front screen.

This is something a lot of Administrators have been asking us for over the last couple years, to avoid having to open up Tools > Configuration and then manually search for the Target when they want to view or maintain the configuration of a Target.

Now with one double-click, an AC Administrator can get straight into a Target to update the configuration or add new analysers etc.



3.13.4. Lock down the BT Reference field / (Read Only)

Since Transport Espresso 6.10, it has been possible to automatically generate the Business Task Reference field with a unique (sequential) number. eg TE000000000001, TE000000000002 etc.

ActiveControl 7.1 ensures that the Reference field becomes a read-only field when using this auto-numbering, to prevent it being accidentally overwritten by a user.

3.13.5. Extra information on auto-release issue.

Many ActiveControl customers use the auto-release functionality within Transport Espresso to automatically release transports following an approval at either a Dev Test Queue or Dev Outbox.

There are occasions when the auto-release is not possible, but previously a useful error message did not get presented to the user.

ActiveControl 7.1 adds some additional information to the messaging, to make it easier for Developers or Approvers to diagnose the reason for the non-release.

Note, if the message presented is “Transport release status could not be retrieved”, it is almost certainly due to RFC connection error.

3.14. Removal of “My To Do List” from Windows GUI

As of ActiveControl 7.1, the “My To Do List” shelf in the Windows GUI has been removed from the standard product.

With the increasing use and functionality available in the Web UI, this Windows GUI screen has become increasingly redundant for the vast majority of customers.

Similarly, some of the newer features of the wider product (such as the Partial testing to allow users to sign off testing of their own transports, and also the ability to automatically run Analysers as part of Test Queue sign-offs) had not been added to the My To Do List screens.

3.15. Bug Fixes (7.1)

The following bugs have been addressed since ActiveControl 7.0.

Please note that this is not an exhaustive list of bug fixes, it is purely intended as a summary of the main issues reported by existing customers in the most commonly used areas of the tool.

Active Control Functionality	Bug that has been fixed
Automated Naming Convention	Issue with automated naming convention using the Justification = "Delimiter"
Build List Report	An issue with custom fields being reported incorrectly.
Task Status Report	An issue of data not being correctly reported.
Transport Objects Report	Was not working in ActiveControl 7.0
Risk Object Upload	Issues with /BTI/TE_RUUPLOAD_RISK_DATA not handling the additional columns added in ActiveControl 7.0 to support custom messaging.
Custom Fields	Issue with mandatory Check Fields being able to be saved
Virtual Targets	Manual Steps/Activities will no longer be created against Virtual targets
Virtual Targets	Cannot reject back to correct previous control point
BW Merge	BW Merge post-processing did not complete, and system error got incorrectly generated
Backout	When TADIR entries are missing, the backup fails
User Roles	Unexpected results in User Roles in Windows GUI versus backend tables /BTI/TE_ROLEUX and /BTI/TE_ROLEU