

ALM210

## CTS – it's one tool to control your changes



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## Agenda



1. Evolution of CTS
2. Demo of Central CTS (cCTS)
3. The Next Generation of CTS

## The Evolution of CTS – “Classic” CTS



### “Classic” CTS

#### ■ ABAP Transport

CTS

1992

CTS Evolution

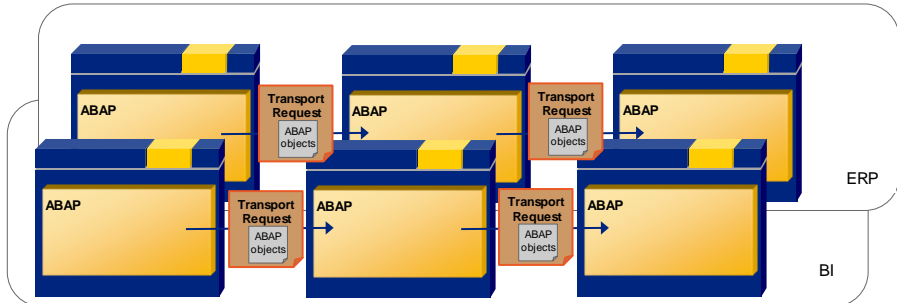
## Classic CTS – ABAP Transports Only



Change and Transport System (CTS) helps you to organize development projects and to transport changes between SAP systems in your system landscape.

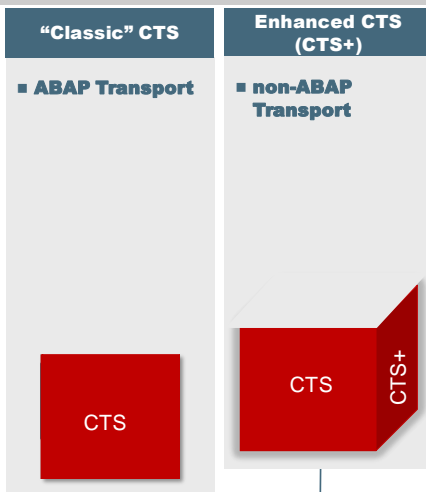
### Limitations

- No transport synchronization
  - Different transport requests per landscape (track/transport route)



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## The Evolution of CTS – from CTS to CTS+



1992

2007

CTS Evolution

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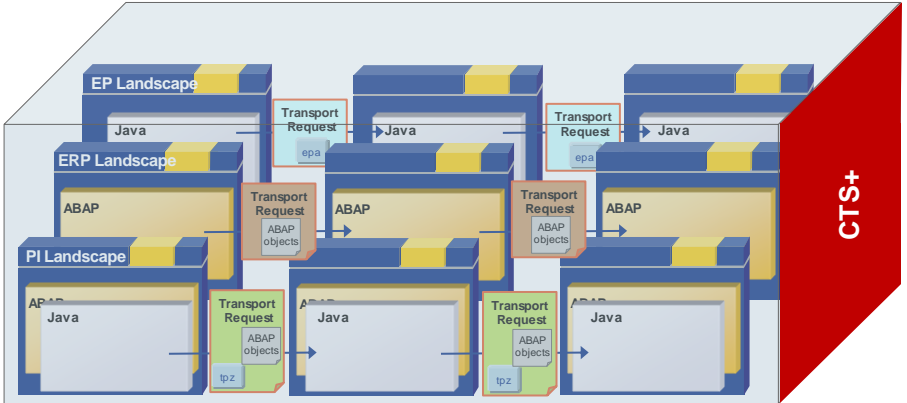
# Enhanced CTS – CTS+ CTS for non-ABAP Transports



CTS+ is the enhancement to handle non-ABAP objects

## Limitations

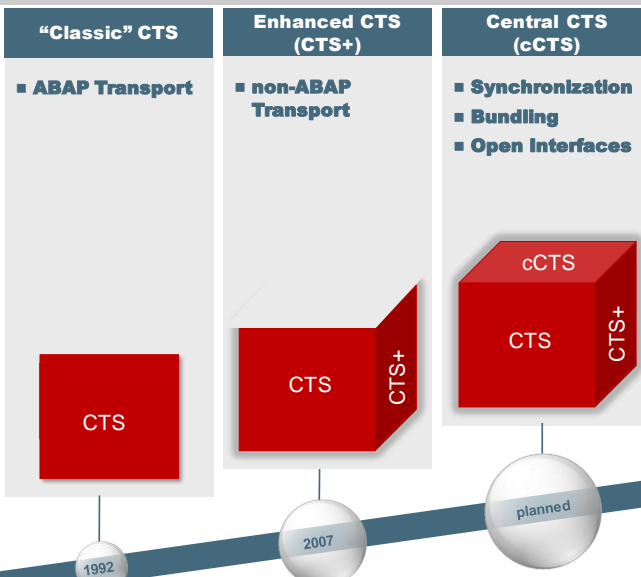
- No transport synchronization
- Different transport requests per landscape (track/transport route)



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## The Evolution of CTS – From CTS(+) to cCTS

LAB Preview

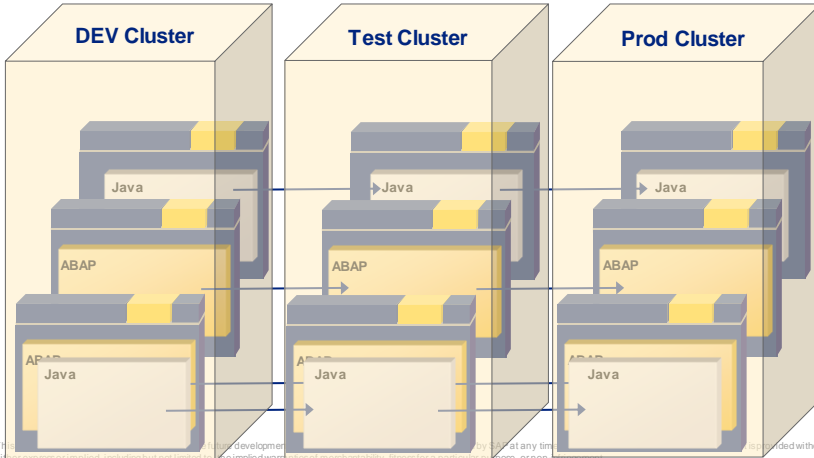


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CTS Evolution

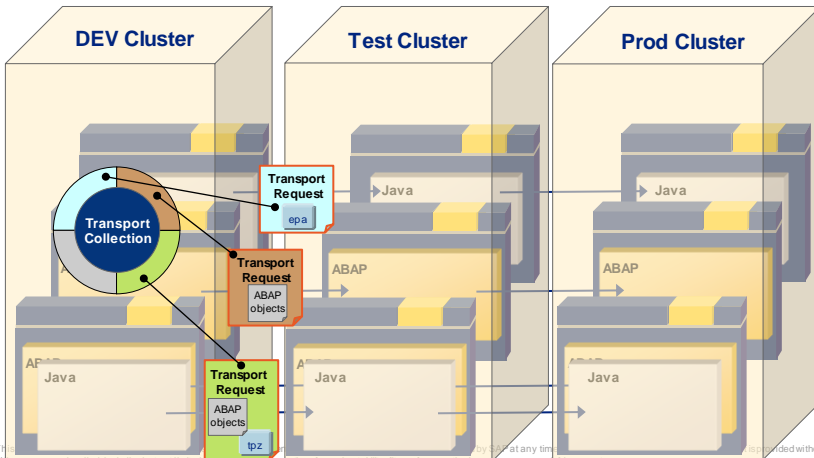
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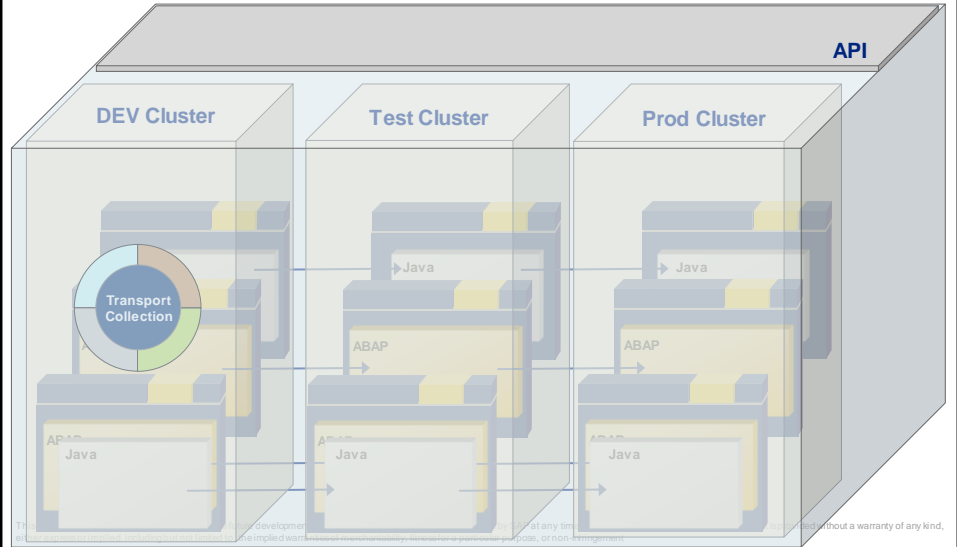
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# Central CTS (cCTS) Open Interfaces

LAB Preview



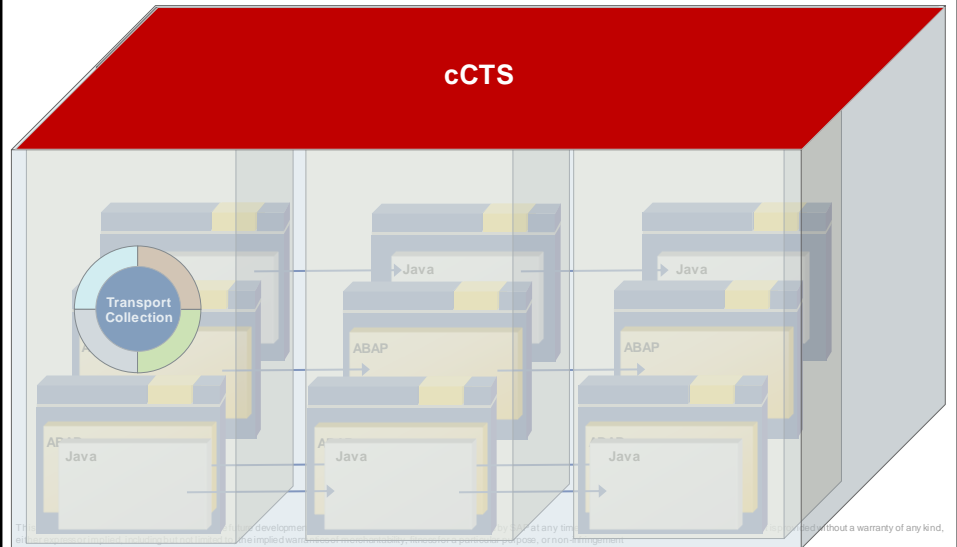
Open Interfaces – transport layer for change control tools



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# Central CTS (cCTS)

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## It's all CTS

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### CTS with the dimensions CTS+ and cCTS – The Next Generation CTS

cCTS

CTS+

# It's all CTS

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## Agenda



1. Evolution of CTS
2. Demo of Central CTS (cCTS)
3. The Next Generation of CTS



## DEMO

Change and Transport Example with Central CTS

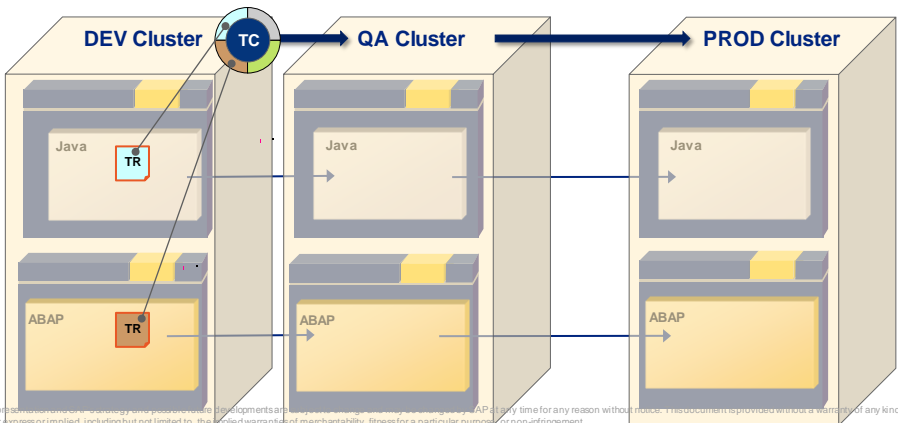


### Central CTS (cCTS) Demo – Synchronized Transport

LAB Preview



**Create Collection and  
Transport Requests centrally**



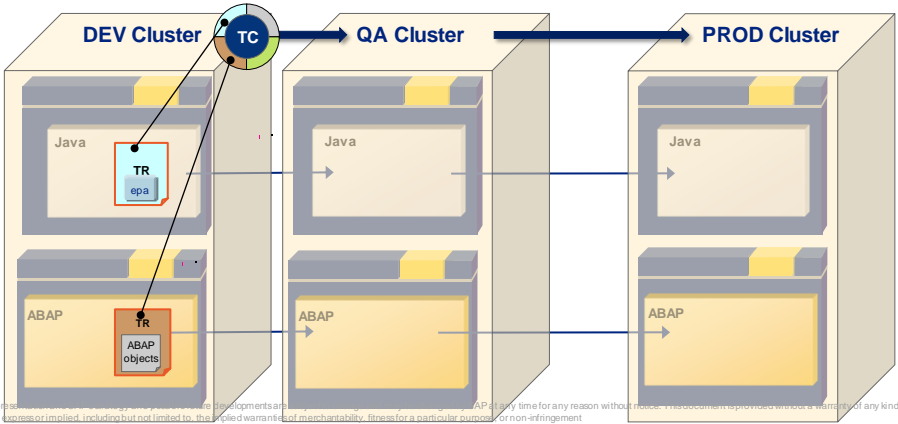
# Central CTS (cCTS) Demo – Synchronized Transport

LAB Preview

SAP



**Change Content locally and  
release changes for  
transport**



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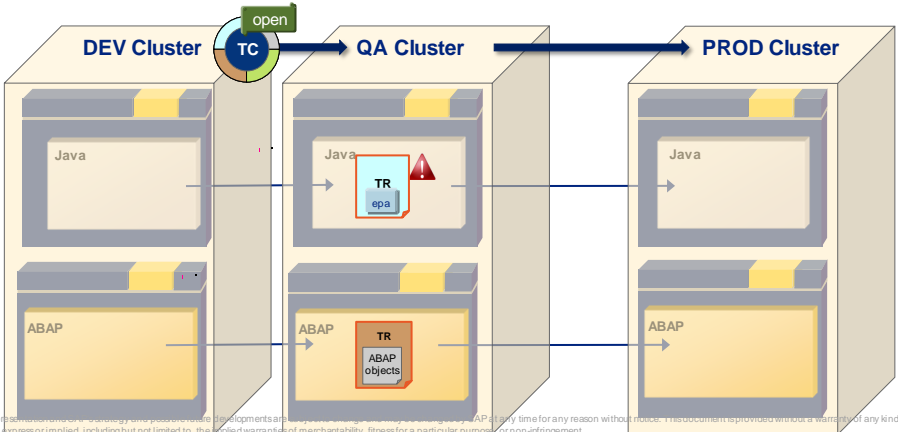
# Central CTS (cCTS) Demo – Synchronized Transport

LAB Preview

SAP



**Import Collection centrally**



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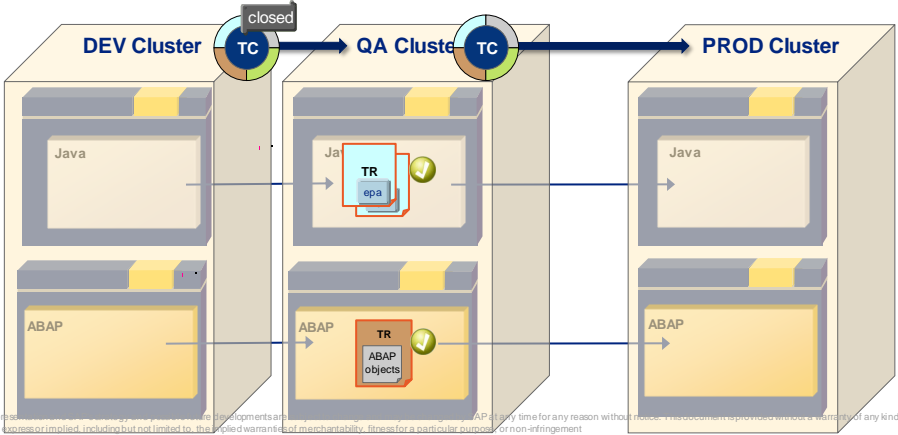
# Central CTS (cCTS) Demo – Synchronized Transport

LAB Preview

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Test changes on  
QA system



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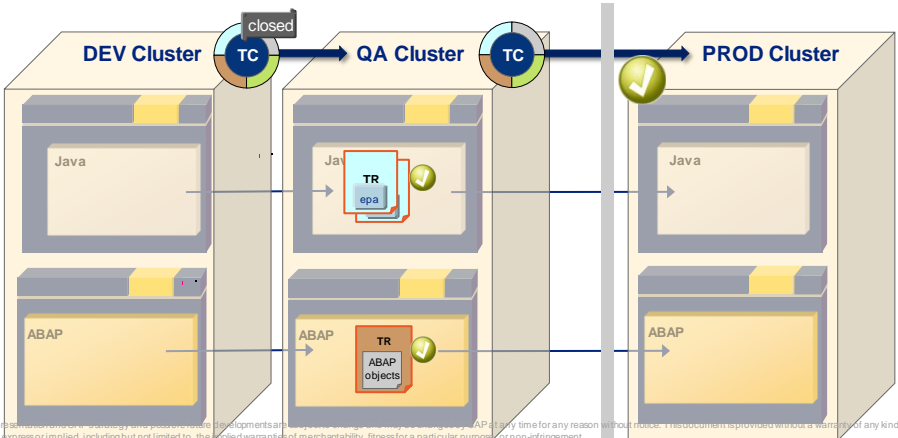
# Central CTS (cCTS) Demo – Synchronized Transport

LAB Preview

SAP



Approval



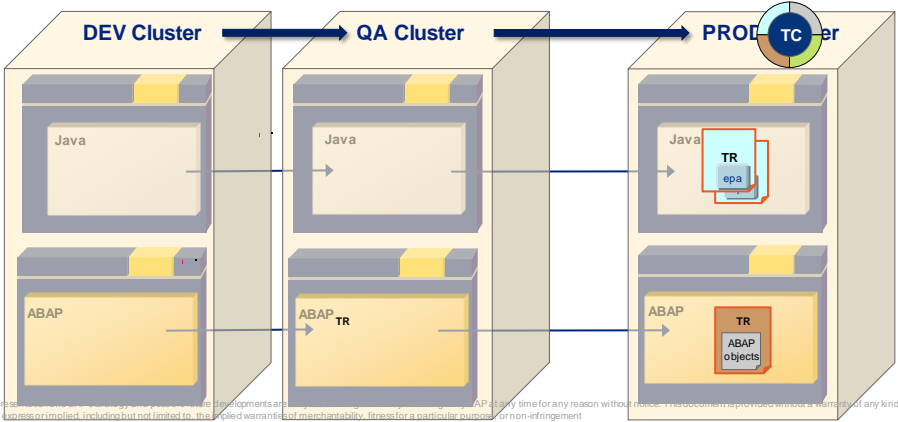
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# Central CTS (cCTS) Demo – Synchronized Transport

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# Demo on Central CTS Creating a Collection

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SAP Transport Manager

Organize Transports

Transport ID	Source	Owner	Request	Task	Emergency Collection
TCDK00001	TCD	MARTICK			

1

Create New Transport Collections

New Collection

Description: \* TechEd Demo - Sync ABAP / non-ABAP

Owner: \* MARTICK

Source Cluster: \* TCD

Project: Please Select a Project

☒ Create Requests

2 Create Cancel

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## Demo on Central CTS (2) Exporting Changes

LAB Preview



**Organize Transports**

Source: TCD Owner: MARTICK

Finalize Logs More...

Transport ID	Description	Owner	RC	More
TCDK900002	TechEd Demo - Sync ABAP / non-ABAP	MARTICK	+	
D25K900105	TechEd Demo - Sync ABAP / non-ABAP	MARTICK	+	
EPDK900001	TechEd Demo - Sync ABAP / non-ABAP	MARTICK	+	

### SAP Transport Manager

**Organize Transports**

Source: TCD Owner: MARTICK

More... Export Finalize Logs

Transport ID	Description	Owner	RC	More
TCDK900002	TechEd Demo - Sync ABAP / non-ABAP	MARTICK	+	
D25K900105	TechEd Demo - Sync ABAP / non-ABAP	MARTICK	+	
EPDK900001	TechEd Demo - Sync ABAP / non-ABAP	MARTICK	+	
TCDK900001	Test	MARTICK	+	

**Common Tasks**

- Create Transport Collection
- Create Transport Request
- Perform Imports

**Useful Links**

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## Demo on Central CTS (3) Import into QA Systems

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### SAP Transport Manager

**System Cluster Queue TCQ**

Target: TCQ Logs Import All Import More...

Transport ID	RC	Owner	Description	Type	Status
TCDK900002	+	MARTICK	TechEd Demo - Sync ABAP / non-ABAP	Transport Collection	✓
D25K900105		MARTICK	TechEd Demo - Sync ABAP / non-ABAP	Auftrag	⊗
EPDK900001		MARTICK	TechEd Demo - Sync ABAP / non-ABAP	Auftrag	⊗

**Information**

Name: TCQ  
Description: TechEd QA Cluster  
Domain: COMAN\_QCS

Type: System Cluster  
Status: System is active  
Mode: monitor

**Favorites**

Select One  
No favorites found

**Navigation**

Zoom: File User-defined

**System Cluster Queue TCQ**

Target: TCQ Logs Import All Import More...

Transport ID	RC	Owner	Description	Type	Status
TCDK900002	+	MARTICK	TechEd Demo - Sync ABAP / non-ABAP	Transport Collection	✓

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## Demo on Central CTS (4) Production Approval and Import

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**System Cluster Queue TCP**

Transport ID	RC	Owner	Description	Type	Status
TCDK900002	MARTICK	TechEd Demo - Sync ABAP / non-ABAP	Transport Collection		



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## Demo on Central CTS (5) All changes are live!

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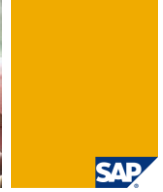
**System Cluster Queue TCP**

Transport ID	RC	Owner	Description	Type	Status
TCDK900002	MARTICK	TechEd Demo - Sync ABAP / non-ABAP	Transport Collection		

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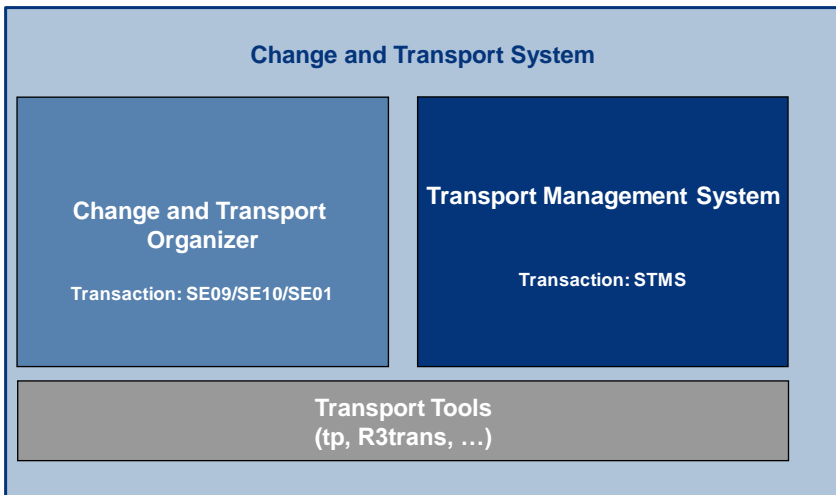
## Agenda



1. Evolution of CTS
2. Demo of Central CTS (cCTS)
3. The Next Generation of CTS

## Change and Transport System (CTS)

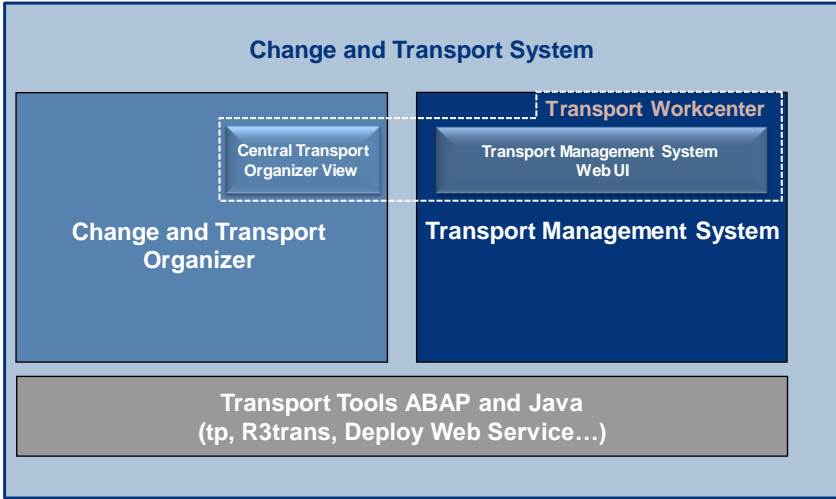
Before 2007 (before CTS+)



# Change and Transport System (CTS)

What's next?

LAB Preview



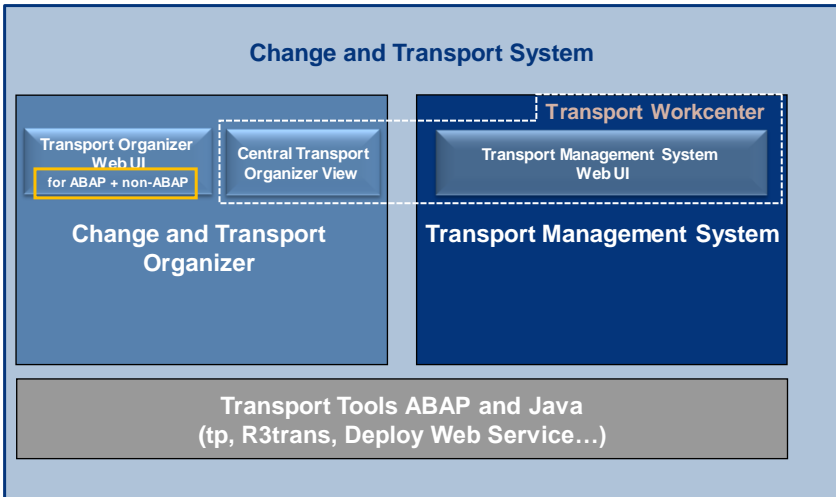
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# Change and Transport System (CTS)

What's next?

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# Transport Organizer Unification

LAB Preview

SAP

CENTRAL CTS

## Central Organizer View

- Transport Collections

## TRANSPORT ORGANIZER

- Transport Requests (ABAP + non-ABAP)
- Tasks (ABAP)

CTS+

- Transport Organizer Web UI for non-ABAP
- Transport Requests

CTS

- SE09 for ABAP
- Transport Requests
- Tasks

for "classic" CTS  
(for compatibility)

2007

planned

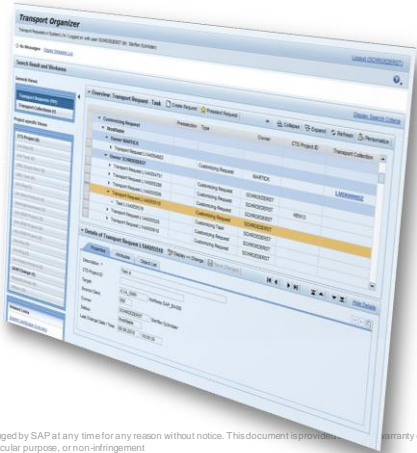
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# Transport Organizer Unified for ABAP and non-ABAP

LAB Preview

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- One Organizer for ABAP- and Non ABAP-transports
- A one screen Web Dynpro application with search capabilities
- Provides specific views for transports assigned to projects (old and new)
- Runs on local or remote system



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# Transport Organizer Unification

LAB Preview

SAP

CENTRAL CTS

## Central Organizer View

- Transport Collections

Change manager/  
Project lead

CTS+

- Transport Organizer Web UI for non-ABAP
- Transport Requests

## TRANSPORT ORGANIZER

- Transport Requests (ABAP + non-ABAP)
- Tasks (ABAP)

Developer

CTS

- SE09 for ABAP
- Transport Requests
- Tasks

No tasks for non-ABAP

Change lists (EP), Activities (DI) are managed application-specific

Change Organizer for Java (EP)

2007

planned

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# What's planned around CTS+?

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SAP

## SAP NetWeaver Portal

- Change Recording

## (NW)DI: CM Services

- Activity-based SDA Transport
- Standalone CM Services
- Multiple Destinations

see ALM266

## Business Objects Integration

- Via LCM

see ALM267

## Public Interfaces

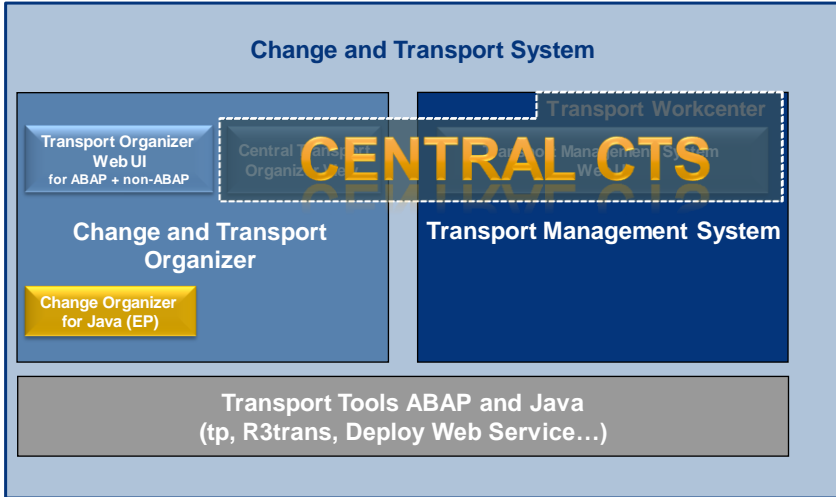
- Connect your own / non-SAP Applications to CTS+ (CTS+)

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# Change and Transport System (CTS)

Central CTS – It's all CTS

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## Central CTS (cCTS) Some Details

LAB Preview



### Central Change and Transport Management System

- Managed/Managing System Pattern
  - Managing System: Central System
  - Managed Systems: Plug-In mechanism to enable installed base
- System Clusters - a light-weight mechanism to bundle and synchronize transports in complex landscapes
  - Flexible way to group systems
    - project specific, release specific, department specific, etc.
  - Existing transport methodologies completely supported - you don't have to change your setup!

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## Central CTS (cCTS) Some Details

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SAP

### Central Change and Transport Management System

- Smooth switch on/switch off
  - Minimal effort and impact
  - Can be used for subsets of an existing landscape
- Flexible Delivery
  - Managed System functionality delivered as plugins for installed base
  - Managing System functionality delivered with planned release of SAP Solution Manager

## Customer Engagement Initiative

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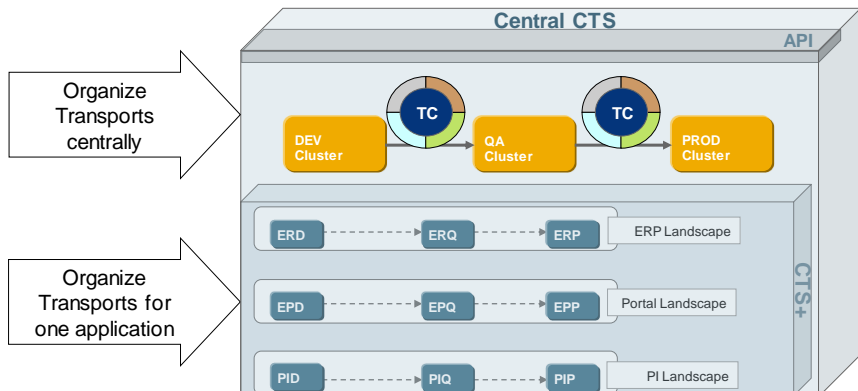
## Change and Transport Management Public Interfaces

LAB Preview

SAP

### Public Interfaces

- Offer transport functionality to process tools
- Planned to be used with SAP Solution Manager (QGM, ...)
- Planned to be provided for third-party usage
- RFC and web service based API



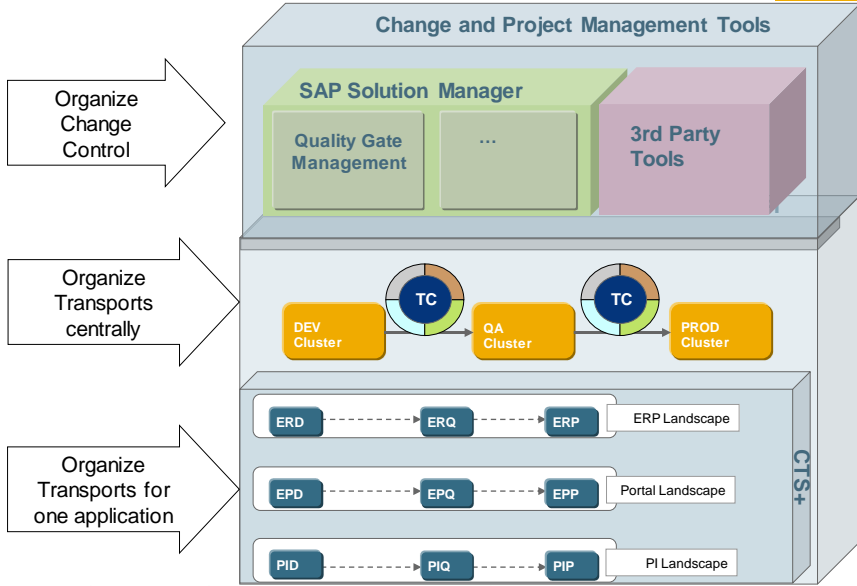
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# Change and Transport Management Change and Project Management Tools Layer

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## DEMO

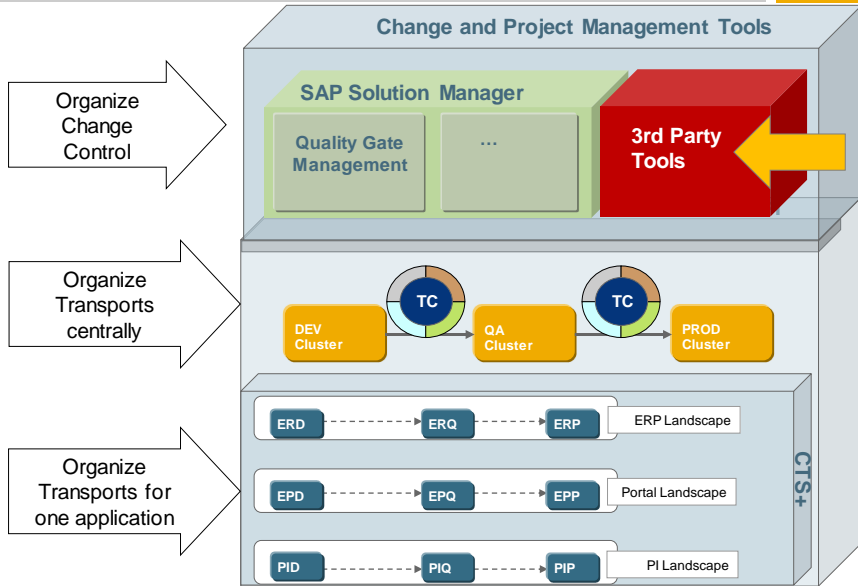
Process Driven Change and Transport Example

SAP

# Change and Transport Management Change and Project Management Tools Layer

LAB Preview

SAP

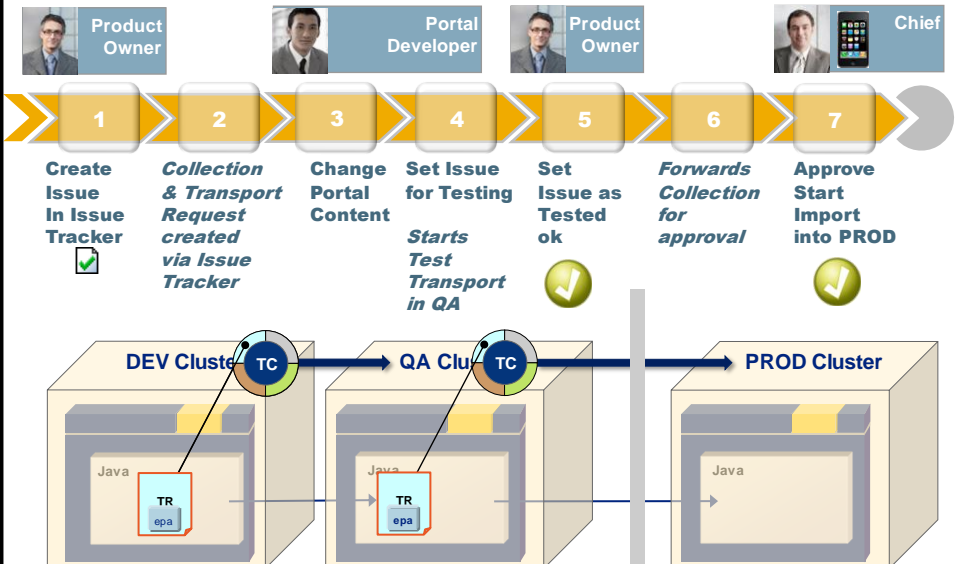


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## Central CTS (cCTS) Demo – Process Driven Transport

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### IT'S ALL CTS

**Central CTS and CTS+ are the two building blocks of the next generation of CTS**

- It offers synchronization and bundling capabilities
- It provides Public Interfaces for change control and project management tools
- It's the new transport layer of SAP Solution Manager

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## Further Information

### ➔ SAP Public Web:

CTS+: <https://www.sdn.sap.com/irj/sdn/cts>

QGM: <https://service.sap.com/changecontrol>

Feedback &  
Discussion highly  
appreciated 😊.

Blogs in SDN:

Blog on Central CTS:

<http://www.sdn.sap.com/irj/scn/weblogs?blog=/pub/wlg/16669>

Blog on CTS+ Deploy Process based on a batch script:

[http://www.sdn.sap.com/irj/scn/weblogs?blog=/pub/wlg/17512&utm\\_source=feedburner](http://www.sdn.sap.com/irj/scn/weblogs?blog=/pub/wlg/17512&utm_source=feedburner)

### ➔ Related Workshops/Lectures at SAP TechEd 2010

ALM266, Change and Transport Management with CTS+, Hands-on

ALM267, Transporting in Mixed SAP NetWeaver Based and SAP

BusinessObjects Based Landscapes, Hands-on

ALM277, Change Control with Quality Gates, Hands-on

ALM117, E2E Change Control: One Integrated Process to Manage Software  
Solution Deployments, Lecture



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