



Dev4S4 | S/4HANA Cloud, ABAP Environment Bootcamp for Developers | Partner hands-on workshop




SAP Global Partner Solution Adoption, 2023

INTERNAL – Authorized for Partner






Hands-on bootcamp agenda

Day 2 | May 31, 2023

Topic		Duration	Relevance for Public/Private
01. Clean Core basics - Private Clean Core definition, 3-Tier model		30 minutes	Private
02. Lifecycle Management Transport Management in 3SL Landscape		45 minutes	Public
03. Migrate code ATC, code adaptation		45 minutes	Both
Chat & Work (Live)		15 minutes	
03. Exercise 2 Build a custom API for side-by-side extensibility		Introduction: 15 mins Offline work: 2 hours	Public
04. Exercise 3 Migrate code from S/4HANA		Introduction: 15 mins Offline work: 1 hour	Both, valid for ECC migration (if you need more on ECC - >S/4 utilize 10steps2S4
Offline exercise work Q&A support via SAP Workzone		Offline work: 3 hours	

Hands-on bootcamp agenda

Day 2 | May 31, 2023

Topic		Duration	Relevance for Public/Private
01. Clean Core basics - Private Clean Core definition, 3-Tier model		30 minutes	Private
02. Lifecycle Management Transport Management in 3SL Landscape		45 minutes	Public
03. Migrate code ATC, code adaptation		45 minutes	Both
Chat & Work (Live)		15 minutes	
03. Exercise 2 Build a custom API for side-by-side extensibility		Introduction: 15 mins Offline work: 2 hours	Public
04. Exercise 3 Migrate code from S/4HANA		Introduction: 15 mins Offline work: 1 hour	Both, valid for ECC migration (if you need more on ECC - >S/4 utilize 10steps2S4
Offline exercise work Q&A support via SAP Workzone		Offline work: 3 hours	



SAP S/4HANA Cloud 3SL Transport Management

SAP Global Partner Solution Adoption, 2023

INTERNAL – Authorized for Partner

Disclaimer

The information in this presentation is confidential and proprietary to SAP and may not be disclosed without the permission of SAP. Except for your obligation to protect confidential information, this presentation is not subject to your license agreement or any other service or subscription agreement with SAP. SAP has no obligation to pursue any course of business outlined in this presentation or any related document, or to develop or release any functionality mentioned therein.

This presentation, or any related document and SAP's strategy and possible future developments, products and or platforms directions and functionality are all subject to change and may be changed by SAP at any time for any reason without notice. The information in this presentation is not a commitment, promise or legal obligation to deliver any material, code or functionality. This presentation is provided without a warranty of any kind, either express or implied, including but not limited to, the implied warranties of merchantability, fitness for a particular purpose, or non-infringement. This presentation is for informational purposes and may not be incorporated into a contract. SAP assumes no responsibility for errors or omissions in this presentation, except if such damages were caused by SAP's intentional or gross negligence.

All forward-looking statements are subject to various risks and uncertainties that could cause actual results to differ materially from expectations. Readers are cautioned not to place undue reliance on these forward-looking statements, which speak only as of their dates, and they should not be relied upon in making purchasing decisions.

Agenda

1

S/4HANA Cloud 3SL Transport Processes and Functionality

- Systems and Tenants
 - Transport Types
 - Restrictions and Constraints
 - SAP Updates and Transports
 - Transport Automation
-

2

Best Practices

- Best practice: how to organize transport, when to release, import, ...
 - How should business configuration be grouped (e.g. countries, ...)
-

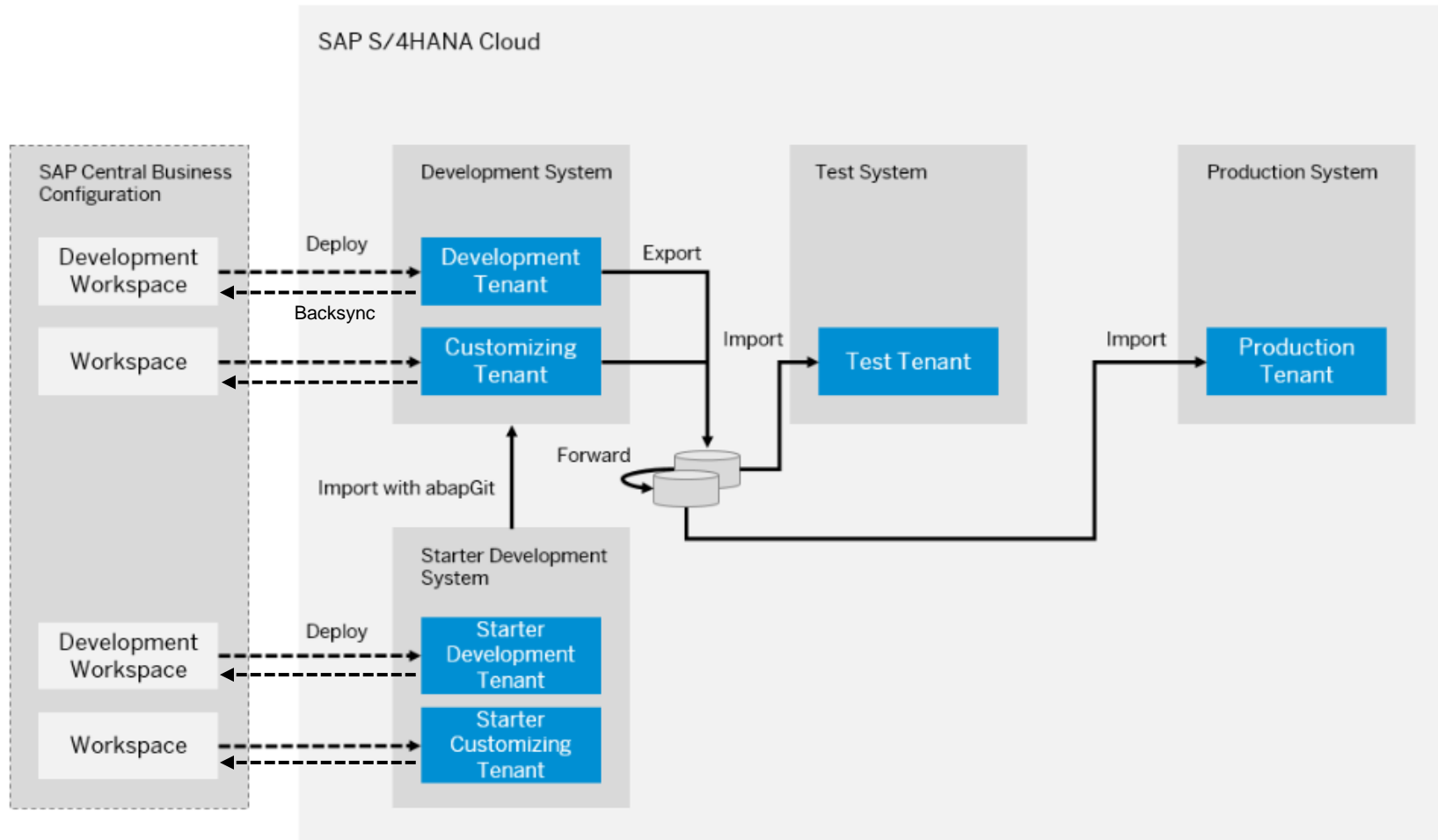
3

Outlook

- Project Line
- Cloud ALM

S/4HANA Cloud 3SL Transport Processes and Functionality

Systems and Tenants



Starter System

- Development tenant
- Customizing tenant

Development System

- Development tenant
- Customizing tenant

Test System

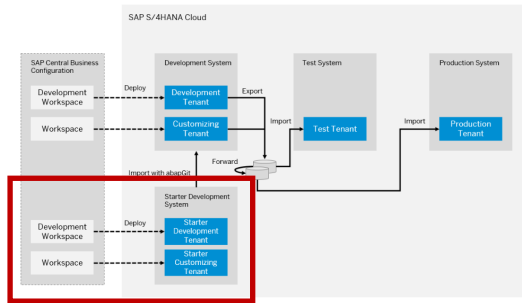
- Test Tenant

Production System

- Production Tenant

S/4HANA Cloud 3SL Transport Processes and Functionality

Systems and Tenants: Starter System



Starter System

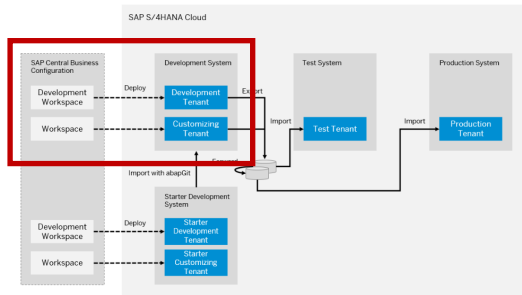
- Used for fit-to-standard workshops
- Development tenant
- Customizing tenant

Transports

- No transports from starter system tenants to development system
 - Transport requests are technically required but not used to transport content to any other system
 - No transfer of configuration / key user extensibility from starter to development
 - ABAP development can be taken over using abapGit
 - Via customer-owned GIT repository
 - [SAP Help Portal: Transferring Developer Extensions Between Development Tenants](#)

S/4HANA Cloud 3SL Transport Processes and Functionality

Systems and Tenants: Development Tenant



Development System – Development tenant

- ABAP development using Eclipse-based ABAP Developer Tool (ADT)
- ABAP development objects are client-independent → immediately active in all tenants in the dev system.
- ABAP development can be taken over using abapGit (via customer-owned GIT repository)

Transports

- Developer transports
- Developer transports are transported to test and production, managed using ADT Transport Organizer
- Run ATC checks and developer tests in the development and in the customizing tenant before releasing a transport ! [Blog: ABAP Test Cockpit in the Cloud](#) , [Documentation: Ensuring Quality of ABAP Code](#)

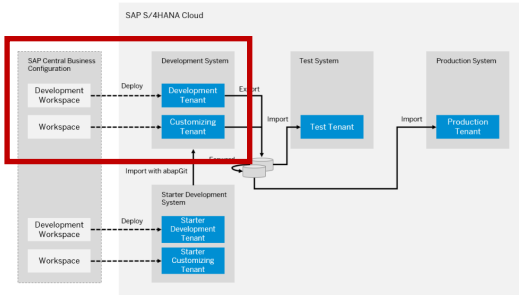
Configuration

- Configuration for developer tests required: independent of the “productive” business configuration in the Customizing tenant
- Default configuration is deployed from a dedicated CBC “development” workspace
- No transport of customizing and extensibility objects
- Default customizing request is technically required but not used to transport content to any other system

[SAP Help Portal: 3-System Landscape and Transport Management](#)

S/4HANA Cloud 3SL Transport Processes and Functionality

Systems and Tenants: Customizing Tenant



Development System – Customizing tenant

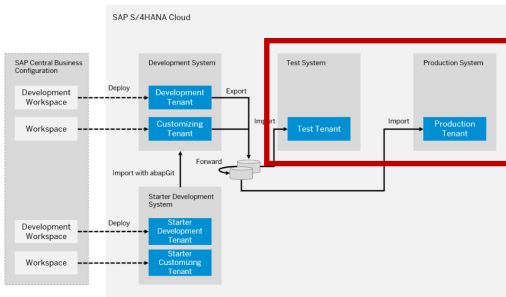
- Configuration: Creation of productive business configuration content
 - Default configuration is deployed from a “main” CBC workspace
 - Finetuning is done in the customizing tenant
- Extensibility: Creation of key user extensibility

Transports

- Customizing and key user extensibility transports are transported to test and production
- Customizing transports are managed with *Export Customizing Transports* Fiori app
- Extensibility transports are managed with *Export Software Collection* Fiori app

S/4HANA Cloud 3SL Transport Processes and Functionality

Systems and Tenants: Test and Production Tenant



Test System – Test Tenant

- Import of developer, key user extensibility and customizing transports
 - with *Import Collection* Fiori app
- Testing: [Blog: SAP S/4HANA Cloud Test Automation](#)
- Release decision
- Forward of transports to production with *Import Collection* Fiori app




Production System – Production Tenant

- Import of developer, key user extensibility and customizing transports
 - with *Import Collection* Fiori app

S/4HANA Cloud 3SL Transport Processes and Functionality

Finetuning UIs and Selection of Customizing Transport Requests

Finetuning is recorded in customizing transport requests

- Most finetuning UIs provide a transport selection screen in the UI
 - 1) Transport selection screen in the save sequence
 - 2) Transport option in the menu of the UI
- Finetuning content can be added to multiple open transport requests in parallel
 -  Hint: use this feature to make transport requests “self-contained” if necessary
- Some finetuning UIs do not provide a transport selection.
 -  Hint: In these cases, changes are recorded on the default request
- Some configuration is so-called “local settings”, this means it is not transported, but maintained in customizing, test and production tenants
 -  Hint: Local settings can be found using filter “Editable in all Systems” in the Implementation Activities app

S/4HANA Cloud 3SL Transport Processes and Functionality

Features of the Export Customizing Transport app

Standard features

- Create, Edit, Change Category, Change user assignment, Merge, Release

Expert features:

- Copy, Delete, Delete objects

Standard* ▾

Request No: Owner: Status: **Go** Adapt Filters

Transport Requests (6)

Request No	Description	Type	Owner	Status	Transport Category
<input type="radio"/> JADK900113	Default request Sprint 7	Customizing	Thomas Schneider	Modifiable	Default
<input type="radio"/> JADK900106	Assign sipping points	Customizing	Example BpcExpert	Modifiable	
<input checked="" type="radio"/> JADK900092	TS: 1099 report settings for ZM91	Customizing	Thomas Schneider	⚠ Checking	
<input type="radio"/> JADK900090	TS: Region ZM91	Customizing	Thomas Schneider	Modifiable	
<input type="radio"/> JADK900023	CBC Staging 20211112115931E8A36C87AC04A4A238	Central Business Configuration	Example BpcExpert	✅ Released	

Default request

- One request can be marked a “default”
- New request is created as “default”

S/4HANA Cloud 3SL Transport Processes and Functionality

Features of the Export Customizing Transport app (2)

Transport Request JADK900023
CBC Staging 20211112115931E8A36C87AC04A4A238

Request **Tasks** Objects Attributes Logs

Tasks (1) Create Release Assign To Me Delete

Task No	Description	Owner	Status
JADK900024	ACR 20211112115931E8A36C87AC04A4A238-0000000001	SAP System Processing	Released

Objects

Objects (287) *tax* Delete

Object Type	Object Name	Description	IMG Activity Description
View Maintenance: Data	/OTX/IMS4_V_CT	Customizing - Tax Rates	Tax Percentage for Recognition
View Maintenance: Data	/OTX/IMS4_V_TAXA	Customizing - Tax Code Assignment	Tax Code Determination
View Maintenance: Data	V_TFKTAXNUMTYPEPC	Maintain Tax Number Categories	Maintain Tax Number Categories
Customizing: Table Contents	SNUMS	Transport Intervals for Number Range Objects	Define Number Ranges for External Tax Returns

Task

- Create, assign, release
- i** Note: Tasks are the collection of objects of one person in a request, tasks cannot be used to group activities inside a request

Objects

- Show objects, search
- Show object details (object keys)
- Navigate for finetuning activity
- Expert features: Delete task, Delete objects

S/4HANA Cloud 3SL Transport Processes and Functionality

Features of the Export Customizing Transport app (3)

< **SAP** Transport Request ▾ 🔍 ↺ ⌂ ? 🔔 TS

JADK900023 🔗
CBC Staging 20211112115931E8A36C87AC04A4A238 ▾

Request Tasks Objects **Attributes** Logs

Attributes ⚙️ 📄 ▾

Attribute	Short Description	Value
CBC_STAGING_ID		20211112115931E8A36C87AC04A4A238
EXPORT_TIMESTAMP	Request export time	20211115102524
SAP_ATO_TRANSPORT_TYPE	Transport type of ATO-managed transports	CBC

Log Entries (5)

Severity	Description
📘 Information	Release of request started in background
📘 Information	Number of objects in transport JADK900092 being released: 2
📘 Information	Total number of object keys in transport: 1
📘 Information	Object JADK900092 - Number of keys: 0
📘 Information	Object V_T059L - Number of keys: 1

Attributes

- E.g. details of the CBC deployment,
- Transport type and category

Log

S/4HANA Cloud 3SL Transport Processes and Functionality

Features of the Import Collection app

Standard ▾

Search

Status: Last Changed On: Collection Type:

Versions (20)

	Name	Version	Collection Type	Business Interr...	Last Changed By	Last Changed ...	Status	Exported At	Release at Exp...
<input checked="" type="checkbox"/>	Translate bonus management UI texts JADK900080	1	Developer Extensibility	High Risk	SAP System Processing	04/05/2022, 18:15:33	Ready for Import	04/04/2022, 10:12:45	2208
<input type="checkbox"/>	BONUSPLAN_T EST YY1_2	1	Key User Extensibility	High Risk	JOHN Administrator	12/06/2021, 16:26:59	Imported and Forwarded	11/24/2021, 17:18:39	2202
<input type="checkbox"/>	Bookings JADK900025	1	Developer Extensibility	High Risk	JOHN Administrator	11/18/2021, 08:14:49	Imported and Forwarded	11/15/2021, 15:04:11	2202
<input type="checkbox"/>	CBC Staging 20211112115931 E8A36C87AC04 A4A238 JADK900023	1	Customizing	High Risk	JOHN Administrator	12/10/2021, 10:47:34	Imported and Forwarded	11/15/2021, 10:24:05	2202

Import


- Dependency calculation
- Preview of the content
- Import
- Show log and imported content

Forward

- Dependency calculation
- Forward

Set as Imported

Discard (production only)

-  “Bad” transports can be marked as discarded and will not be considered for import

S/4HANA Cloud 3SL Transport Processes and Functionality

Features of the Import Collection app (2)

< **SAP** Import Collection Detail ▾

CBC Staging 20211112115931E8A36C87AC04A4A238
JADK900023

Customizing
Forwarding finished
12/10/2021, 10:47:34, JOHN
Administrator

Business Interruption: High Risk

Status:
Forwarded after Incomplete Import
Current version: 1

Project:
Project Description:

Import Forward Set as Imported

Content (4388) Notes (2) Transport Log (26) Execution Messages (2)

Standard* ▾

Name	IMG Activity	IMG Activity Description
Invoice Profile for Invoice Processing by OpenText	/OTX/IMS4_PRF	Invoice Profile
Company Code Settings	/OTX/IMS4_BU	Company Code Settings
Customizing - Check Modules	/OTX/IMS4_CHK	Check
Customizing - Tax Rates	/OTX/IMS4_CT	Tax Percentage for Recognition

Status

i Documentation of Actions and Status Values: see [documentation](#) in the SAP Help Portal

Content

- Navigate for finetuning activity

Notes, Log, and Messages

S/4HANA Cloud 3SL Transport Processes and Functionality

Transport Types (1)

Type	Technical Type	Managed By / With	Supported Features in the ADT / Fiori UI	Used for recording of
Developer Extensibility	Workbench Request	Developer / ADT	Transport Request and Task: Create, Edit, Change user assignment, Delete, Add/delete objects, "Copy", Merge, Release	Development objects
Key User Extensibility	Transport of copies	Extensibility Expert / Fiori app	Collection: Create, Edit, Delete, Add/delete objects, Merge, Release	Extensibility Items
Customizing	SAP Central Business Configuration	SAP Central Business Configuration <ul style="list-style-type: none"> Create request during deployment of workspace Release tasks automatically after deployment finished (in case of an activation error manual intervention is needed) Business Process Configuration Expert <ul style="list-style-type: none"> Take over and release the requests 	Transport Request: Change user assignment, Release	Default configuration (CBC managed)
	Customizing	Business Process Configuration Expert / Fiori app	Transport Request and Task: Create, Edit, Change user assignment, Delete, Delete objects, Copy, Merge, Release	Finetuning content (client-dependent configuration)
	Cross-client Customizing	Business Process Configuration Expert / Fiori app	Transport Request and Task: Create, Edit, Change user assignment, Delete, Delete objects, Copy, Merge, Release	Finetuning content (client-independent configuration)

S/4HANA Cloud 3SL Transport Processes and Functionality

Transport Types (2) Roles and Catalogs

	Type	Authorizations	Business Catalog	Business Role Template
Export	Developer transports	Transport Request and Task: Create, Edit, Change user assignment, Delete, Add/delete objects, “Copy”, Merge	SAP_A4C_BC_TRN_MNG_PC	Developer SAP_BR_DEVELOPER
		Transport Request and Task: Create, Edit, Change user assignment, Delete, Add/delete objects, “Copy”, Merge, <u>Release</u>	SAP_A4C_BC_TRN_REL_PC	Developer SAP_BR_DEVELOPER
	Extensibility Expert	Collection: Create, Edit, Delete, Add/delete objects, Merge, Release	SAP_CORE_BC_SL_EXP	Administrator SAP_BR_ADMINISTRATOR
	Customizing transports (all types)	Transport Request and Task: Create, Edit, Change user assignment, Delete, Delete objects, Copy, Merge	SAP_CORE_BC_TRN_MNG_PC	Business Process Configuration Expert SAP_BR_BPC_EXPERT
		Transport Request and Task: Create, Edit, Change user assignment, Delete, Delete objects, Copy, Merge, <u>Release</u>	SAP_CORE_BC_TRN_REL_PC	Business Process Configuration Expert SAP_BR_BPC_EXPERT
Import	All transports	Import, forward, discard, set as imported show content and logs	SAP_CORE_BC_SL_IMP	Administrator SAP_BR_ADMINISTRATOR

S/4HANA Cloud 3SL Transport Processes and Functionality

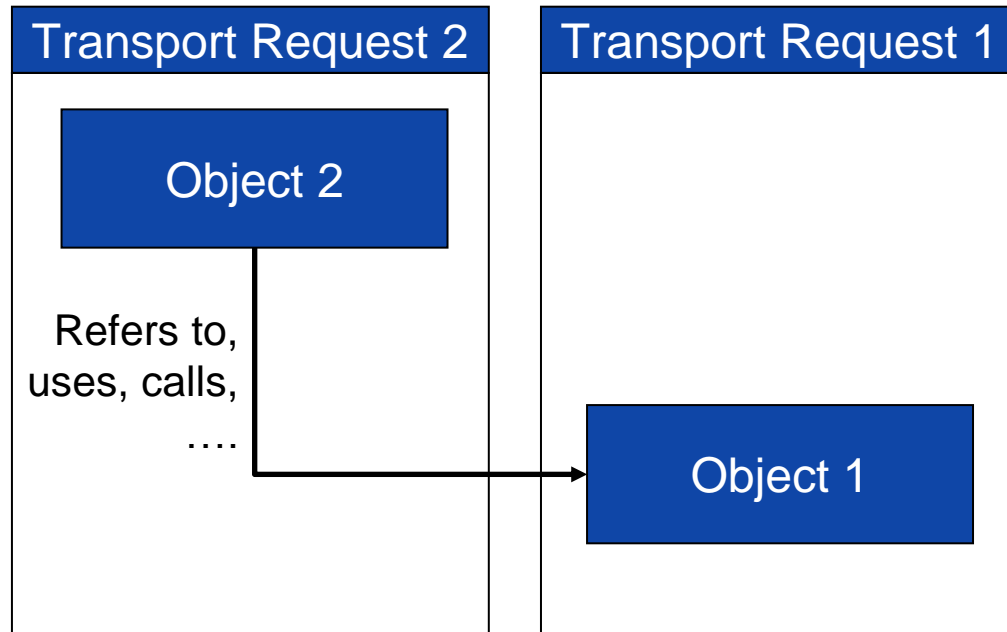
Restrictions and Constraints: Dependency Checks

Dependency Checks

- In general, transports can be released, imported and forwarded in arbitrary order – if they are independent!
 - Developers / configuration experts must plan transports so that dependencies are managed accordingly
- Dependency checks ensure that transports are released consistently and imported in the right order
- Export and/or import is prevented, if transports with dependencies are missing
- Expert feature: “Forced Import” allows to ignore dependency checks (button: *Ignore dependencies*)

S/4HANA Cloud 3SL Transport Processes and Functionality

Restrictions and Constraints: Dependency Checks



Transport request 1 must reach the test and production *together or before* request 2 to avoid inconsistencies !

[SAP Help Portal: Transport Dependencies](#)

Example 1:
(Development)

Example 2:
(Customizing)

Example 3:
(Customizing /
Extensibility)

Class 2	Tax configuration for region X (e.g. US "1099 Report")	Output mgmt. configuration for Business Partner
calls	relates to (foreign key)	refers to
Class 1	Region X	Print Form Template

Solution strategies:

1. Export/import in right order or merge transports
2. Add referenced object to transport 2 redundantly
 - only possible for customizing
 - only feasible if few objects are involved

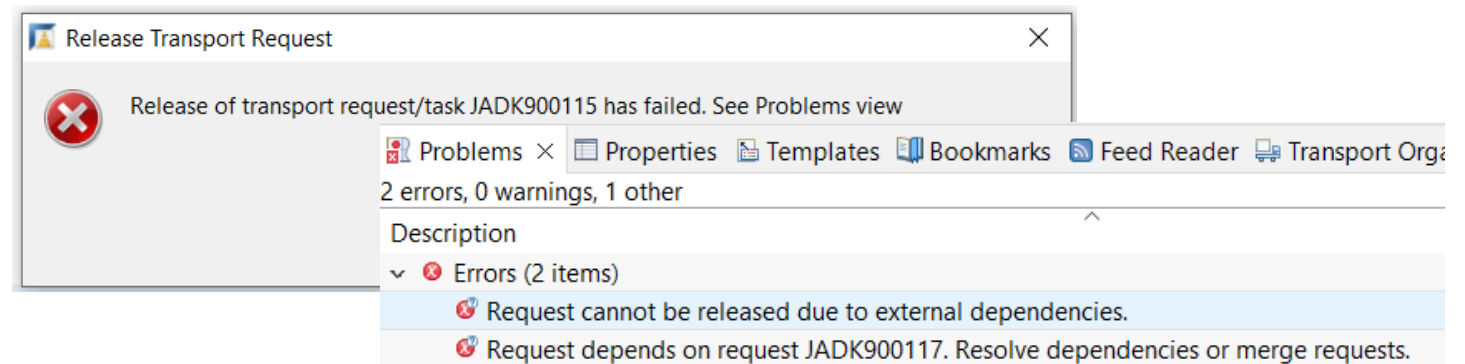
S/4HANA Cloud 3SL Transport Processes and Functionality

Restrictions and Constraints: Dependency Checks

In the development system (at export)

- *Export Customizing Requests* Fiori app
- ADT Developer Tools

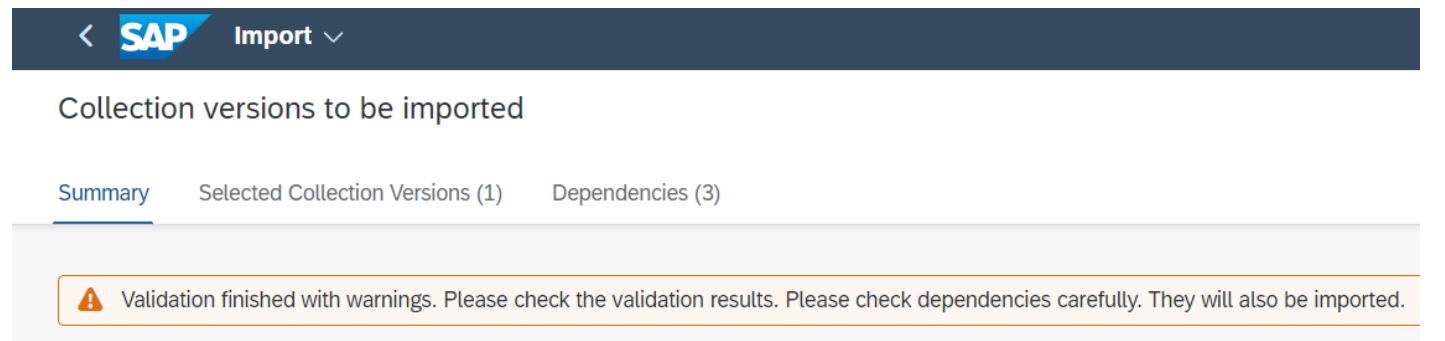
Log Entries (3)	
Severity	Description
Error	Request depends on request GNDK900378. Resolve dependencies or merge requests.
Error	Request cannot be released due to external dependencies.



In the test/production system (at import)

- *Import Collection* Fiori app
 - Dependencies are calculated when you select *Import* or *Forward*

[SAP Help Portal: Transport Dependencies](#)




S/4HANA Cloud 3SL Transport Processes and Functionality

SAP Updates and Transports: Import to Release N+1

Upgrade Schedule

- SAP software upgrades are scheduled every 6 months
 - Software upgrade starts in the test system.
 - After the test system upgrade (release N+1), the development and production system are still on the old release (release n).
- After a certain period of time, for example 2 weeks, the development and production system are upgraded to N+1.

Import to Test/Production System during/after the Upgrade

- After releasing from development system, transports can be imported into the test and production system in the same release or release N+1
 - Exception: some key user items, do not support import to N+1.
Workaround: re-export the collection on release N+1
 - Transports cannot be imported to release N+2, N+3, ...
-  Advice: make sure that your transports are imported to production in the same release or in release N+1 (6 months!)

S/4HANA Cloud 3SL Transport Processes and Functionality

Client Compare

Compare content between tenants

- Most finetuning UIs support tenant comparison: *Menu* • *Utilities* • *Comparison*
- Comparison in the main line (customizing / development, test, production)
- Labs preview: between project client and main customizing tenant
- Add missing records to a transport request: *Menu* • *List* • *Transport*

The screenshot shows the SAP S/4HANA Cloud 3SL Transport Processes and Functionality - Client Compare interface. The top bar displays the SAP logo, the title 'Overview: Comparison', and navigation icons. Below the top bar, there is a 'Menu' dropdown and a row of icons for search, compare, and other functions. The main content area shows a comparison between two systems: 'View: V_T005S - Logon System: JAD/100 <-> Comparison System: JAT/100 - Date: 09.05.2022'. Below this, a table displays the comparison results.

Status	Country/Reg.	Region	Description
	ZM	07	Southern
	ZM	08	Copperbelt
	ZM	09	Lusaka
	ZM	10	Muchinga
L	ZM	91	ZM 91
L	ZM	92	Region ZM 92
	ZW	BU	Bulawayo
	ZW	HA	Harare

S/4HANA Cloud 3SL Transport Processes and Functionality

Recording / Reporting of Changes

In the development system

- *Implementation Activities* app
- Filter *Change Period* shows all changes in a certain time frame (time and user)
- Development objects provide change recording in ADT (*History* view)

In the test/production system

- *Collection Import Change Logs* Fiori app
- Shows all configuration changes that were imported to test/production system
- Labs Preview: *Business Configuration Local Change Logs* Fiori app
- Shows all configuration changes that were done test/production system (local settings)

Filter IMG Activities in Structure Display

Content Changes

Changed by

☐ Logon User

☐ Business User

☐ Central Business Configuration

Change Period

☐ Any Time (Unspecified time period)

☒ Within last 24 hours

☐ Changed On to:

< SAP Document (ID 282626) 🔍 ↺ 🔄 ⚙️ ? 🔔 JA

Menu ▾ → Download to PDF 🔍 🔍+ 🖨️ Exit

Object: V_T059L Object Description Regional tax minimum amounts

Log Date	Log Time	Transport	Change	C/R	Rg	Type	WT Min.Amt	Crcy	PrTCd	Descript.	No K Rec
04/30/2022	11:45:32	JADK900092	Created	ZM	91	MISC	600.00	USD			

[SAP Help Portal: Collection Import Change Logs](#)

SAP S/4HANA Cloud 3SL Transport Processes and Functionality

Transport Automation (1)

Transport Automation

- Import to test system, forward to production, and import to production can be scheduled
- Customers can define
 - Time ranges, in which import/forward is automatically executed by the system
 - Type of the transports that shall be imported/forwarded is automatically
 - All Collections
 - SAP Scheduled Collections = SAP Content Updates via CBC
- System will not import/forward, if an error or unsolved dependency occurred in the previous step

[SAP Help Portal: Working in the Import Collection App](#)

The screenshot shows the 'Import Collection' app interface. At the top, there's a navigation bar with the SAP logo, 'Import Collection' dropdown, and various icons. Below it, a 'Standard' dropdown is visible. A red box highlights the 'Automation Settings' link in the top right, with a red arrow pointing down to the settings page.

The 'Import Automation Settings' page contains the following fields and annotations:

- Affected Software Collections:** A dropdown menu currently set to 'All Collections'. A red line points to this field with the annotation: 'Select "All Collections" or "SAP Scheduled Collections" (= SAP Content Updates)'.
- Days:** A row of seven buttons representing the days of the week: M, T, W, T, F, S, S. The 'T' (Thursday) button is highlighted in dark blue. A red line points to this button with the annotation: 'Automatic import **off** for all other days'.
- Start Time Frame:** A section containing two sub-fields:
 - Earliest Start:** A time input field set to '00:00:00' with a clock icon. A red line points to this field with the annotation: 'Automatic import **on** for Thursday'.
 - Start Within:** A dropdown menu set to '2 hours'. A red line points to this field with the annotation: 'Time window for import for selected day'.
- Additional Information:** A section with two labels: 'Last Changed By:' and 'Last Changed On:'.

At the bottom right of the form, there are 'Save' and 'Cancel' buttons.

SAP S/4HANA Cloud 3SL Transport Processes and Functionality

Transport Automation (2)

Transport Automation

- Default settings are provided
 - Automatic Import for the test system: daily from 1am to 2am (UTC) and concerns all collections
 - Automatic forward: weekly on Wednesdays from 12 pm to 1am (UTC) and concerns collections that are flagged for a scheduled import.
 - Automatic import for the production system: weekly on Thursdays from 12 pm to 2 am (UTC) and concerns all collections
- Minimum settings
 - Automatic Import for the test system: at least weekly for SAP Scheduled Collections
 - Automatic forward: can be fully switched off
 - Automatic import for the production system: at least weekly for SAP Scheduled Collections

[SAP Help Portal: Working in the Import Collection App](#)

Import Automation Settings

Affected Software Collections

All Collections

Days

M T W **T** F S S

Start Time Frame
Earliest Start:

00:00:00

Start Within:

2 hours

Additional Information
Last Changed By:

Last Changed On:

Save

Cancel

Agenda

1

S/4HANA Cloud 3SL Transport Processes and Functionality

- Systems and Tenants
 - Transport Types
 - Restrictions and Constraints
 - SAP Updates and Transports
 - Transport Automation
-

2

Best Practices

- Best practice: how to organize transport, when to release, import, ...
 - How should business configuration be grouped (e.g. countries, ...)
-

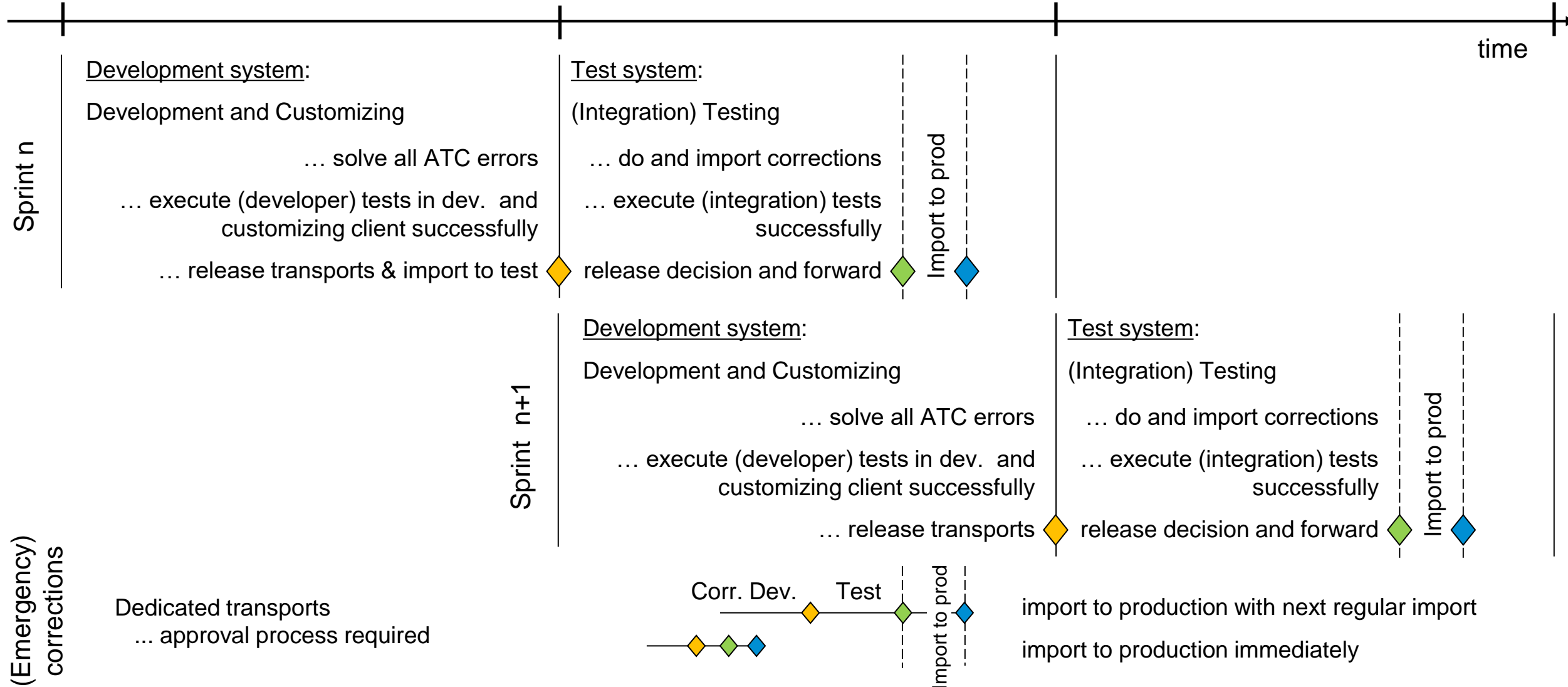
3

Outlook

- Project Line
- Cloud ALM

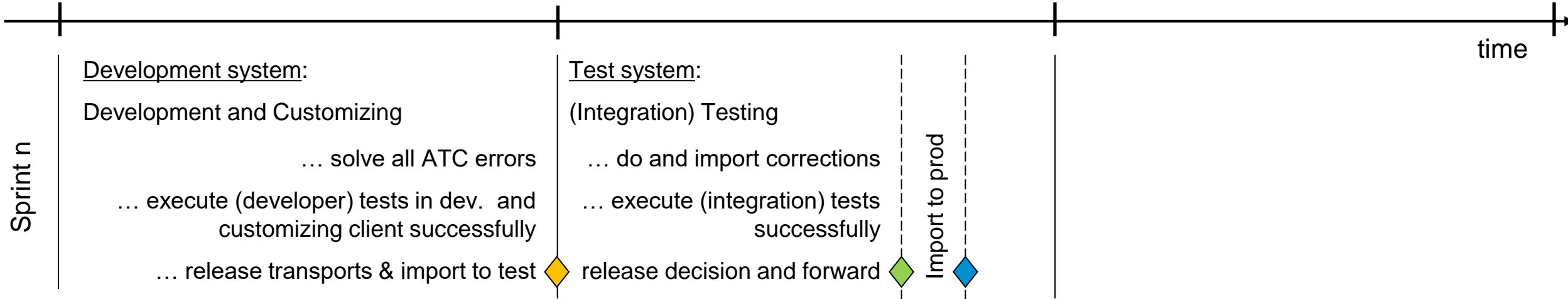
Transport Best Practices

Best Practice for a Sprint-based Transport Schedule



Transport Best Practices

Best Practice for a Sprint-based Transport Schedule

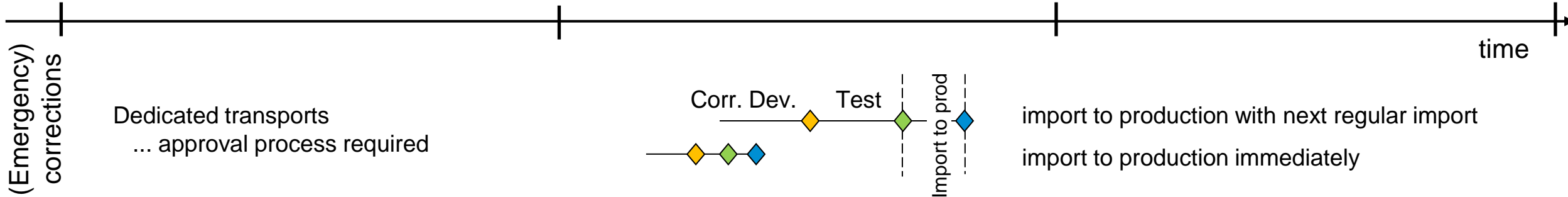


Basic Principles

- Define sprint length according to your needs
 - 1 week, 2 weeks, ...
 - You can define development and correction sprints
- Release decision: forward to production or skip (severe failures that cannot be corrected in the test cycle)
- In a 3SL you must keep the test system close to the production system so that you can apply corrections
- Work with one or multiple developer & customizing transports per sprint
 - Depends on your needs and project size
 - When using multiple transports, the content should be independent (or you must transport them in correct order)
 - You can hold back a transport in dev (no release) or in test (no forward) (= skip a sprint), if content is independent

Transport Best Practices

Best Practice for a Sprint-based Transport Schedule



- Corrections development and transport must be possible any time
 - Priority over development
 - Approval process required
- Dedicated transport requests are used for corrections
- “Forced Import” feature allows to ignore dependency checks
- Object locking and correction transports
 - Development objects are can be in one transport only (“locked”). If an object to be corrected is locked on a development request, it must be removed and added to the correction transport
 - Customizing objects are not locked – they can be part of multiple transport (use the “Transport” feature in finetuning UIs to add them to a correction transport)
- Dependencies between objects must be mitigated
 - Individual solution required, e.g. for customizing objects, “open” dependencies must be added to the correction transport
 - Corrections of the same objects need to be imported in the correct sequence

Agenda

1

S/4HANA Cloud 3SL Transport Processes and Functionality

- Systems and Tenants
 - Transport Types
 - Restrictions and Constraints
 - SAP Updates and Transports
 - Transport Automation
-

2

Best Practices

- Best practice: how to organize transport, when to release, import, ...
 - How should business configuration be grouped (e.g. countries, ...)
-

3

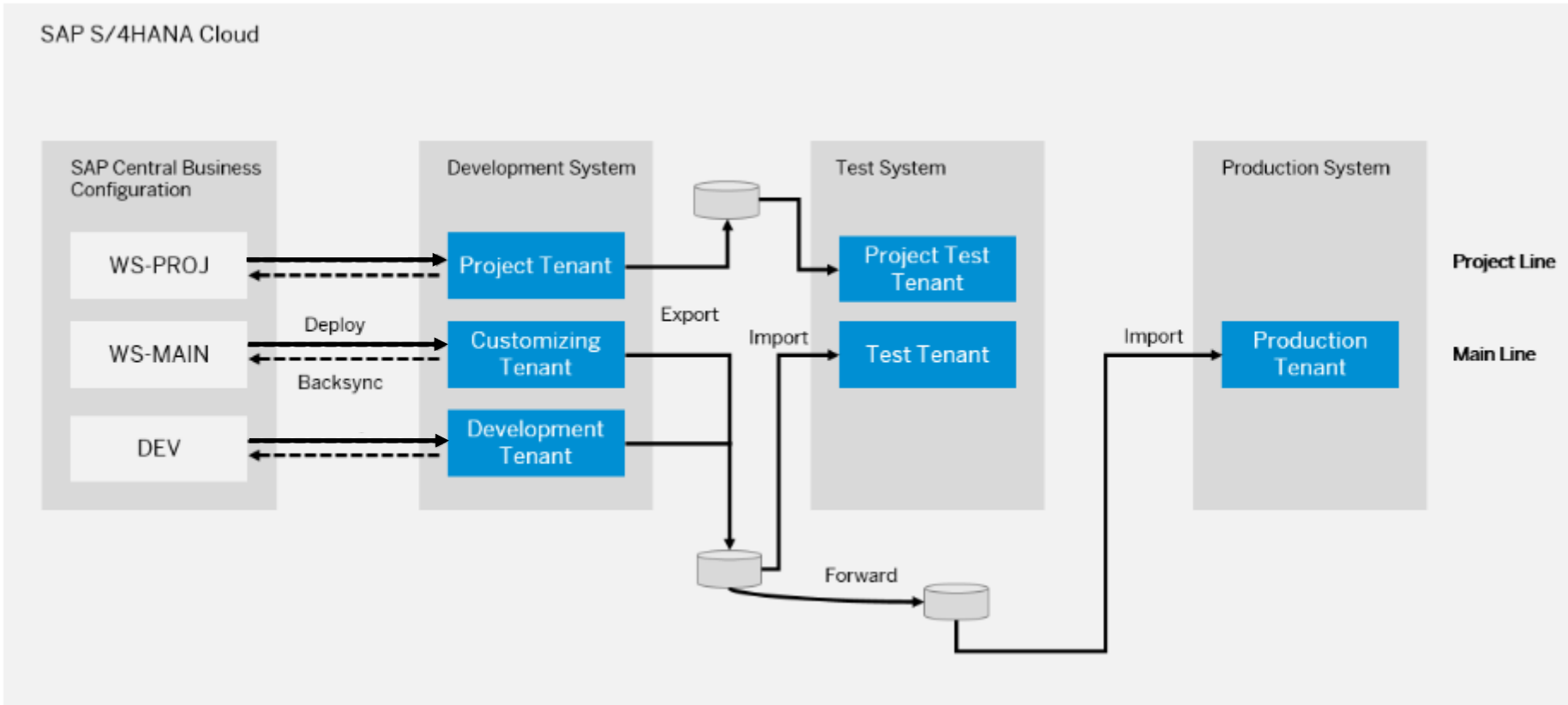
Outlook

- Project Line
- Cloud ALM

Outlook

Project Line

Labs Preview



Use Project Line for new projects

Keep the main line
“clean” for smaller
developments and
correction
development

Outlook

Cloud Application Lifecycle Management (CALM) Integration

Labs Preview

CALM Integration

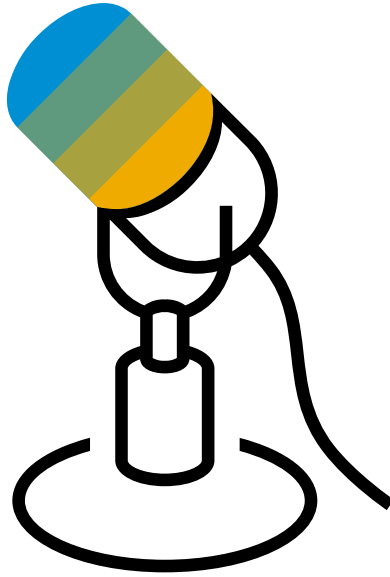
- CALM will allow to bundle and manage transports that belong to one “feature”
- CALM will allow to bundle and manage transports from integrated systems

Documentation

Documentation: [SAP Help Portal: 3-System Landscape and Transport Management](#)

SAP Activate [Roadmap Viewer](#)

Questions & Answers



Thank you.

Dev4S4 | S/4HANA Cloud, ABAP Environment Bootcamp for Developers | Partner hands-on workshop



JAM: [Dev4S4 | Partner hands-on workshop](#)