Focused Build for SAP Solution Manager 7.2 (SP4)

FixPace

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Agenda

Use Case

Change Paces in Requirement to Deploy

Manage Fixes with Request for Change

Manage Changes with Urgent Changes

Manage Changes with Standard Changes

Document Maintenance with dropDocs

Transport Strategy
Use Case
Use Case (1)

Description of situation before ST-OST Support Package 04

So far Focused Build has not offered any functionality to cover Hypercare and Operation phase of a deployed release. We offered:

Continuous innovation plus Preliminary Import based on a 4 system landscape

- To release urgent fixes
  - Create Work Package
  - Select Build Project
  - Select Wave
  - Use Work Item with Action Preliminary Import

Fix with Standard ChaRM (e.g. based on a 6 system landscape (dual landscape))
Use Case (2)
Description (as of ST-OST SP04)

- **Release Schedule**
  - Major Releases

- **Build Project 1**
  - Phase: Build

![Diagram showing release schedule and phases]

**Wave 1**
- Release Number: 1.0
- Go-Live date: X.X

**Wave 2**
- Hypercare

**Wave 3**
- Hypercare

**Release Number**
- Go-Live date: X.X

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Use Case (3)
Description (as of ST-OST SP04)

To release urgent fixes or standard changes in Hypercare/Operate phase of an already deployed release
- Create Focused Build Request for Change (which is a new transaction type utilized within the Focused Build Fix Pace)
- Select the Actual Release which is in Hypercare/Operation phase (Actual Release of Wave 1)
- Create Focused Build Urgent or/and Standard Changes (also new transaction types utilized within the Focused Build Fix Pace)
Use Case (4)
Description (as of ST-OST SP04)

From an transactional perspective:

- **Demand**
  - Fix: Incident → S1CR
  - Enhance: SMBR → SMIR
  - Innovate: S1BR → S1IT / S1IR

- **Development**
  - Fix: S1CR → S1HF / S1SG
  - Enhance: SMIR → SMHF / SMGC
  - Innovate: S1IT / S1IR → S1MJ / S1CG

- **Test**
  - Fix: S1HF / S1SG → Immediately after approval
  - Enhance: SMHF / SMGC → Minor releases
  - Innovate: S1MJ / S1CG → Major releases

- **Deploy**
  - Immediately after approval
  - Minor releases
  - Major releases

Solution Readiness Dashboard *

*) Planned innovation: Merge of business requirement and requirement, Solution Readiness Dashboard across the lifecycle
Use Case (5)

Description – Key Takeaways

- Focused Build fix and standard change process with UI5 app
  - Focused Build Urgent Change and Standard Change
  - Processed within the same landscape like the innovation in development branch while Hypercare or Operation phase of the deployed release
    - **ATTENTION:** It is absolutely mandatory to implement [SAP note 2849712 - Focused Build: Release with open Fix](https://support.sap.com/notes) and [Pace changes can be completed](https://support.sap.com/notes) for Focused Build SP04
- Electronic Signature option within UI5 app
- DropDoc integration
Change Paces in Requirement to Deploy
SAP Solution Manager Integration Model
Three Different Change Paces in Requirement to Deploy

<table>
<thead>
<tr>
<th>Fix</th>
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<tbody>
<tr>
<td>Trigger</td>
<td>Business disruption or standard change</td>
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<tr>
<td>Scope</td>
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</tr>
<tr>
<td>Process Impact</td>
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<tr>
<td>Approval</td>
<td>Individual</td>
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<tr>
<td>Deployment</td>
<td>Unbundled on request or bundled with release</td>
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<tr>
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<td>Individual</td>
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<tr>
<td>Deployment</td>
<td>Bundled with release</td>
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<table>
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<tr>
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<tbody>
<tr>
<td>Trigger</td>
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<tr>
<td>Scope</td>
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<td>Process Impact</td>
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<td>Deployment</td>
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Focused Build before Support Package 04

Standard ChaRM

Focused Build

<table>
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<tr>
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<th>Enhance</th>
<th>Fix</th>
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<tbody>
<tr>
<td>Focused Build</td>
<td>Standard ChaRM</td>
<td></td>
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</tbody>
</table>
Recommended System Landscape for Focused Build Fix Pace

System Landscape (TMS)

Production
- PRD-100

Maintenance
- MNT-100
- QAM-100

Development
- DEV-100
- QAD-100
- PRE-100

Logical Component Group

Log Comp Group ERP
- Logical Component Production
- Logical Component Development
- Logical Component Maintenance

Branches

Production
- Production

Development
- Development

Sandbox
- SBX-100

Design
Import

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Manage Fixes with Request for Change
Create FB Request for Change
Guidelines

• Bundling changes while the productive usage of a release (Hypercare/Operate)

• A Request for Change needs to be implementable within Hypercare or Operate phase before the following release is switched to Hypercare. No re-assignment takes place.

• Request for Changes could be linked to a process structure or library element
  To automatically inherit the Process Documentation context, create Request for Changes derived from Process Management structures

• Usually a change (standard/urgent) does not need to change the existing documentation

• A Request for Change can be subdivided into one or more Change Documents (urgent/standard) depending on the context and in case the work needs to be distributed between several developers.

• The FixPace must run in the same branch (Development Branch) and on the same landscape like the entire major release upfront.
Focused Build methodology
Standard Workflow Fix Pace

Change Request
- Created
- Validation
- To be Approved
- Approved
- Being Implemented
- To be Tested
- Successfully Tested
- Handover to Production
- Implemented
- Confirmed
- Withdrawn
- In Development
- To Be Tested
- Successfully Tested
- In Development
- To Be Tested
- Successfully Tested
- In Development
- To Be Tested
- Successfully Tested
- Handover to Production
- Implemented
- Confirmed
- Withdrawn
- In Development
- To Be Tested
- Successfully Tested
- Handover to Production
- Implemented
- Confirmed
- Withdrawn

Production Branch
- Implemented
- Confirmed
- Completed
- Predoc / Background Processing

Predoc / Background Processing
SAP Solution Manager Launchpad

Launchpad Catalogue: Focused Build – FixPace
Launchpad Group: Focused Build – Change Manager
Functionality of dropDoc

dropDoc integration to My Requests for Change and My Change Documents Applications

CREATE AND ASSIGN DOCUMENTS

There are several possibilities available to create a document in dropDoc.

The documents are always automatically assigned to structure and consequently to RfC/CD.
Functionality of dropDoc

dropDoc integration to My Requests for Change and My Change Documents Applications

CREATE AND ASSIGN DOCUMENTS

Create documents by drag-and-drop

several documents can be selected from the local storage and dropped over the drop area
Preselection of Standard Change RfC

The check box for Standard Changes on the Request for Change has got reason that

a. only Standard Changes can be created within Scope and

b. No approval is required and implementation can be started immediately.
Electronic Signature (optional feature)

Electronic Signature

Sign electronically your change documents

Feature details

• Sign electronically your change documents at status change

• Optional signature is also possible within approval Procedure

• Users sign electronically by giving their User ID plus Logon Password

• Signature and current document content is stored separately and can be accessed for audit.

Benefits

Fulfills audit requirements for Food and Drug Administration (FDA)
Scope Creation
Approval Procedure

Within the FixPace the new Request for Change is introduced which contains the approval tab.

For this transaction type you can create your individual approval procedure.

In status **To Be Approved** you can approve or reject all approval steps assigned to your business partner with one shot by clicking the respective button in the footer bar.
Manage Fixes with Urgent Changes
Focused Build methodology
Standard Workflow Fix Pace

Change Request

- Created
- Validation
- To be Approved
- Approved
- Being Implemented
- Rejected

Urgent Change

- Created
- In Development
- To Be Tested
- Successfully Tested
- Handover to Production
- Withdrawn

Standard Change

- Created
- In Development
- To Be Tested
- Successfully Tested
- Withdrawn

Production Branch

- Implemented
- Confirmed
- Completed

Predoc / Background Processing

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CREATE AND ASSIGN DOCUMENTS

Create documents by drag-and-drop
several documents can be selected from the local storage and dropped over the drop area
Manage Fixes with **Standard Changes**
Create FB Standard Change

Guidelines

- Standard change is used to perform low-risk changes that are uncritical and frequently used.
- Standard changes are executed on a regular basis by the change management organization and have no technical impact, such as adding:
  - New currency
  - Storage location
  - Purchasing group
  - New plant
- Those objects are no master data but customizing objects and therefore need to be transported. To indicate which objects are uncritical there is white list to maintain in the admin cockpit.
- Standard changes are no-risk or low-risk changes and can therefore be processed without approval.
Focused Build methodology
Standard Workflow Fix Pace

- Change Request
  - Created
  - Validation
  - To be Approved
  - Approved
  - Being Implemented
  - Rejected

- Urgent Change
  - Created
  - In Development
  - To Be Tested
  - Successfully Tested
  - Handover to Production
  - Withdrawn

- Standard Change
  - Created
  - In Development
  - To Be Tested
  - Successfully Tested
  - Withdrawn

- Production Branch
  - Implemented
  - Confirmed
  - Completed

- Predoc / Background Processing
  - Productive
  - Confirmed
  - Completed
Transport related check framework

Transport related checks

Downgrade protection

White list check

Critical objects

ABAP Test Cockpit (ATC)

Code inspector

Custom specific checks (open framework – integrate your own checks)

Choose the point in time for your checks:

When saving a change to a transport

When releasing the transport
White list objects

Object check can be switched on globally or locally per DEV system.

Manage White List customizing or workbench objects for selected systems and clients.

Specify customizing objects on table key entry level and workbench objects on object name level.

Possibility to use wildcards *.

Change log to retrace who maintained which objects when.
Transport Strategy
Fix Pace
Transport Strategy

- The transports within the FixPace will be imported from within the respective change document e.g. FB Urgent Change by executing the relevant action. In case of an import into QAS it is Transfer Urgent Change to Test. But the transports remain in buffer for a consolidated import together with the follow-up release into the respective environment.

- The action Confirm Successful Test will import the TR into the pre-production system.
FixPace
Transport-related check framework

- In case of conflicts with CSOL/DGB you will get an error and you need to switch to CRM UI by clicking on the change document title.
FixPace
Transport-related check framework

- The conflicts have to handled on each system.
Fix Pace
Import into Production

- The import into production is done as described before but by the Release Manager.

- The Change Manager utilizes the Mass Change Operations app for changing 1-n change documents from Successfully Tested to Handover to Production which is the sign for the Release Manager to import the changes into production.

- Afterwards the Release Manager selects the respective change documents in the status Handover to Production and switches them to Productive which triggers the import itself.
Thank you.

Contact information:

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