Focused Build for SAP Solution Manager 7.2 (SP5)

FixPace

RIG, Customer Experience & Solutions, SAP SE
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Agenda

Use Case

Change Paces in Requirement to Deploy

Document Maintenance with dropDocs

Manage Fixes with Request for Change

Manage Changes with Urgent Changes

Manage Changes with Standard Changes

Transport Strategy
Use Case
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

### Wave 1
- Hypercare

### Wave 2
- Hypercare

### Wave 3
- Hypercare

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<th>MAI</th>
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Release Number
Go-Live date

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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**: Incident
- **Design**: S1CR
- **Development**: S1HF / S1SG
- **Test**: Immediately after approval
- **Deploy**: Minor releases

- **Fix**
  - Incident → S1CR → S1HF / S1SG → Immediately after approval

- **Enhance**
  - SMIR → SMHF / SMMJ / SMGC / SMAD → Minor releases

- **Innovate**
  - S1IT → S1MJ / S1CG → Major releases

*) 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
- 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

**Fix**
- **Trigger**: Business disruption or standard change
- **Scope**: Small
- **Process Impact**: None
- **Approval**: Individual
- **Deployment**: Unbundled on request or bundled with release

**Enhance**
- **Trigger**: Improvement request
- **Scope**: Medium
- **Process Impact**: Minimal
- **Approval**: Individual
- **Deployment**: Bundled with release

**Innovate**
- **Trigger**: Transformation projects, new solutions
- **Scope**: Large
- **Process Impact**: Significant
- **Approval**: Pre-Approved
- **Deployment**: Bundled with release
Focused Build before Support Package 04

Standard ChaRM  Focused Build

<table>
<thead>
<tr>
<th>Innovate</th>
<th>Enhance</th>
<th>Fix</th>
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<tr>
<td>Focused Build</td>
<td>Standard ChaRM</td>
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</table>
Focused Build as of Support Package 04

Focused Build
Standard ChaRM

Innovate: Focused Build
Enhance: Standard ChaRM
Fix: Focused Build
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
- Sandbox
  - SBX-100

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

Branches
- Production
- Development
- Design
- Import
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

Urgent Change

Standard Change

Created → Validation → To be Approved → Approved
Rejected

To be Tested → Successfully Tested → Handover to Production

Being Implemented

Implemented

Confirmed

Completed

Productive

Predoc / Background Processing

To Be Tested

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

In Development

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

Predoc / Background Processing

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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 is always automatically assign 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
Functionality of dropDoc

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

DEFINE DOCUMENT

The decision where the dropped document will be stored is done in the background by dropDoc and based on the standard document type configuration e.g.:

- **Functional specification** shall be stored at <Step origin>
- **Single Functional Test** at <Step origin>
- **Technical Design** at development or executable elements
- **Use Case** at <Step reference>

<table>
<thead>
<tr>
<th>Description</th>
<th>Document Type</th>
<th>Element Type</th>
<th>Element</th>
<th>Status</th>
</tr>
</thead>
<tbody>
<tr>
<td>ZFT Post GR.docx</td>
<td>Single Functional Test</td>
<td>Process &lt;Org.&gt;</td>
<td>Create Business Requireme</td>
<td>Not started yet</td>
</tr>
<tr>
<td>ZUC Post GR.docx</td>
<td>Use Case</td>
<td>Process Step &lt;Ref.&gt;</td>
<td>Create Business Requireme</td>
<td>Not started yet</td>
</tr>
</tbody>
</table>
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

- **Created**
- **To be Approved**
- **Validation**
- **Approved**
- **Rejected**
- **Being Implemented**
- **Handover to Production**
- **In Development**
- **To Be Tested**
- **Successfully Tested**
- **Withdrawn**
- **Productive**
- **Confirmed**
- **Completed**

**Predoc / Background Processing**

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CREATE AND ASSIGN DOCUMENTS

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The documents is always automatically assign 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
Manage Changes 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

Created ➔ Validation ➔ To be Approved ➔ Approved
Rejected

Being Implemented

To Be Tested ➔ Successfully Tested ➔ Handover to Production

Withdrawn

Implemented ➔ Confirmed

Production Branch

Created ➔ In Development ➔ To Be Tested ➔ Successfully Tested ➔ Handover to Production

Predoc / Background Processing

Created ➔ In Development ➔ To Be Tested ➔ Successfully Tested ➔ Handover to Production

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.

<table>
<thead>
<tr>
<th>System</th>
<th>Program ID</th>
<th>Object Type</th>
<th>Object Name</th>
<th>Table Key</th>
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<tbody>
<tr>
<td>M3400002~ABAP400</td>
<td>R3TR</td>
<td>TABU</td>
<td>ZTCURC</td>
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<td>ZTCURC_70</td>
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</tr>
</tbody>
</table>

**Add Customizing Object**

- **System**: M3400
- **System Type**: ABAP
- **Client**: 400
- **Active Status**: ✔
- **Program ID**: R3TR

**Add Workbench Object**

- **System**: M3400
- **System Type**: ABAP
- **Client**: 400
- **Active Status**: ✔
- **Program ID**: R3TR

**Description**:

- TABU - Table Contents
- VDAT - View Maintenance: Data
- CDAT - View Cluster Maintenance: Data
- TDAT - Customizing: Table Contents

**Description**:

- LIMU - Subobject of the Development Environment
- LANG - Language-Specific Component
- CORR - Comment (Automatic)
SAP Solution Manager Launchpad

Launchpad Catalogue:  
Focused Build – FixPace

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Focused Build – Change Manager
Document Maintenance with dropDoc
Document Maintenance with dropDoc

**dropDoc**

- **Definition:** *dropDoc* helps as a part of *Solution Documentation* to manage numerous file types, which simplifies the default usability of file management inside Solution Documentation. *dropDoc* can be integrated as a part of *My Request for Change* and *My Change Documents* applications. In addition, *dropDoc* can be implemented directly, as a standalone option in the Solution Documentation scenario.

An extract of *dropDoc* features

- Insert files using **drag and drop for processes and steps**
- **Mass maintenance** of documents and documents type
- Change the **document status**
- Delete one or more documents at the same time
- Optimized for different screen resolutions
- Etc.
Basic functionality and usage overview

dropDoc Attachments in My Requests for Change and My Change Documents Applications

- UI5 technology
- Mass upload of documents
- Drag and Drop functionality
- Access to document templates
dropDoc Attachments in Work Package and Work Item Applications
Functionality of dropDoc

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

STANDARDS

SAP Solution Manager allows to define document standards, by central definition of document types, their templates, allowed usages and completeness rules.

The list is providing the minimum documentation standards and their typical usage.
Functionality of dropDoc

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

STANDARDS

- Process description
- Use case
- User guide (training material)
- Functional integration test case description
- Single functional test case description
- Functional specification
- Functional specification for enhancements
- Functional interface specification
- Technical specification
- Configuration guide
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 WebUI by clicking on the change document title.
FixPace
Transport-related check framework

The conflicts have to be handled on each system.
FixPace
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 trigger the import itself.