Focused Build for SAP Solution Manager 7.2 (SP8)
Solution Readiness Dashboard

Customer Experience & Solutions, SAP SE
August 2021
Disclaimer

This presentation outlines our general product direction and should not be relied on in making a purchase decision. This presentation is not subject to your license agreement or any other agreement with SAP. SAP has no obligation to pursue any course of business outlined in this presentation or to develop or release any functionality mentioned in this presentation. This presentation and SAP's strategy and possible future developments are subject to change and may be changed by SAP at any time for any reason without notice. This document 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. SAP assumes no responsibility for errors or omissions in this document, except if such damages were caused by SAP intentionally or grossly negligent.
Overview
Focused Build Analytics
Available dashboards to support related Release and Project phases

Release Phases
Prepare Build Test Deploy

Project Phases
Discover & Prepare Explore Realize Deploy

Dashboard usage
Program Manager
Project Manager
Architect

Solution Readiness & Documentation Reporting Dashboard

Test Suite Dashboard

Release Dashboard

Test Manager

Release Manager
Focused Build – Solution Readiness Dashboard

Full transparency on status and progress of your implementation project

• Building the bridge between PMO team and functional teams
• Aggregated real time data displayed for Main and Build Projects with possibility to drill down to details
• Full transparency about solution readiness and progress managed via Work Packages, Work Items, related KPIs and Project Tasks also highlighting overdues
• Tracking of project risks and issues

Solution Readiness Dashboard helps you to manage and track your projects successfully. It ensures transparency on status, progress but also overdues, risks and issues.
Focused Build – Architecture Overview and Integration Model

Process Management

Change Control Landscape

- Process Management
- Design Documents
- Process and Application Landscape
- Branches
- Test Cases

Requirements / Work Packages / Work Items

- Requirements
- Work Packages
- Work Items

Test Suite

Test Plan

Test Package

Release Management

Release Number and Cycle

Project Management

- Wave 1
- Sprint 1…n
- Task 1…n
- Milestone
- Q-Gate

Focused Build Dashboards

- Business Process Readiness
- Requirements Backlog
- Development

© 2021 SAP SE or an SAP affiliate company. All rights reserved. | PUBLIC
### Using project structure and Categorization Schema

**Main Project**
- Typically reflects a Program for a large initiative
- Contains overall phases, Waves and related Q-Gates

**Build Project**
- Typically reflect a project team per functional area
- Contains overall phases, Waves, related Q-Gates and Sprints to provide the functional and timing context to Work Packages and Work Items

**Categories**
- Can be set for Requirements, Work Packages and Work Items
- allow to aggregate data for Work Packages and Work Items in Solution Readiness Dashboard
- can be used to reflect functional area
- can be used to reflect further organizational aspects
Solution Readiness Dashboard – Main Project

- Aggregated data for all Build-Projects assigned to Main Project
- Aggregated data per Build Project

Select Build Project
Solution Readiness Dashboard – Build Project

Aggregated for selected Build-Project

Aggregated data per Category
Realtime update of Dashboard data – as of SP07

Applications
Solution Readiness Dashboard
Realtime update and refresh of Dashboard data for Focused Build entities

Feature Details
The data displayed in the Solution Readiness is provided by extractor and caching tables which were updated only by batch jobs in the past. This has been enhanced by a event triggered update and refresh feature in order to get real-time data shown in the dashboard for following Focused Build entities:

• Requirements, Work Packages and Work Items
• Defect Corrections
• Projects and Risks

Data refresh can be controlled for the currently selected project by a timer via new button in the dashboard and typically has a delay of 20 – 40 seconds depending on size of project.

Benefit
Improved monitoring and transparency about implementation progress and KPI fulfillment with real-time data
Solution Readiness Dashboard
Dashboard tiles after Project Preparation

After project preparation following tiles in the Solution Readiness Dashboard already provides some basic data.
Next Q-Gate tile – Detail view on Q-Gates - new with SP07

Applications
Solution Readiness Dashboard – Next Q-Gate tile

Features
Navigation to List View for all Q-Gates with detailed information
Navigation from List View to Q-Gate Task with the possibility to update details

Benefit
Enhanced tracking and management of Q-Gates using convenient forward navigation for more details and update
Export to spreadsheet feature – Improved with SP07

Applications
Solution Readiness Dashboard - Export to Spreadsheet

Features
Export CSV has been replaced by Export to spreadsheet for all list views in the dashboard

Benefit
After export the spreadsheet can be directly opened without conversion. Filter is active by default using the header row (1). No problems with special characters.
Explore Phase
Requirements tile

Overview of all Requirements, either unassigned or assigned via Work Package to Project. Each bar of the tile is clickable and offers a filtered list of Requirements

Total Backlog means unassigned Requirements:
- don't have Work Packages assigned to them or
- are associated with Work Packages that aren't assigned to any project
- have the detail status Draft, To be Approved or Approved

<table>
<thead>
<tr>
<th>Requirement Id</th>
<th>Title</th>
<th>Description</th>
<th>Status</th>
<th>Priority</th>
</tr>
</thead>
<tbody>
<tr>
<td>8000006629</td>
<td>HZ NR 3000</td>
<td>HZ NR 3000 - attachment w/o doctype</td>
<td>Unassigned</td>
<td>1: Very High</td>
</tr>
<tr>
<td>8000006630</td>
<td>HZ RM 3001</td>
<td>HZ RM 3001</td>
<td>Unassigned</td>
<td>1: Very High</td>
</tr>
<tr>
<td>8000006899</td>
<td>HZ 1610 03New</td>
<td>HZ 1610 03New</td>
<td>Unassigned</td>
<td>1: Very High</td>
</tr>
<tr>
<td>8000007643</td>
<td>HZ 2505 01</td>
<td>HZ 2505 01</td>
<td>Unassigned</td>
<td>1: Very High</td>
</tr>
<tr>
<td>8000008124</td>
<td>HZ 3005 No01</td>
<td>HZ 3005 No01</td>
<td>Unassigned</td>
<td>1: Very High</td>
</tr>
</tbody>
</table>
Requirements tile

Requirements ‘To be scoped’

- are associated with Work Packages from current Project which still need to be scoped.
- have the detail status ‘Approved’
Realization Phase
Waves

Wave details

- A wave comprises a well-defined functional scope of work packages to define what needs to be done
- Starts with scope definition and a preparation time
  - Provides at least the functional specification required to start the first sprint of the wave
- Actual build execution is done in Sprints
- Execute functional integration testing
- Ends with the q-gate “Wave exit-criteria fulfilment” for passing the q-gate
- Optional: Release can be assigned to a Wave to allow Go-Live after the Wave
Sprints

Sprint details

- A sprint comprises a well-defined scope of work items to define how to do it
- Starts with sprint backlog definition and prioritize the work items
- Provides technical design documents and software developments for review in show and tell sessions / sprint reviews
- Unit test to confirm work item is completed
Milestones

- Milestones are specific dates in a project plan, deliverables should be available at. They are maintained in waves and sprints and focus on major progress points which must be reached to achieve success, e.g. availability of the functional or technical design documents, test cases etc. The milestones are used as default due dates in the Work Packages and Work Items as soon they are assigned to the Wave or Sprint. In the Work Package and Work Items the due dates can be adjusted individually.

Quality Gates

- Quality gates are check points that are scheduled during the handover from one project phase or wave to the next with a clearly defined due date. All project stakeholders review the deliverables of the q-gate by formally checking their availability (e.g. are all deliverables available, are all test successfully executes), and deciding collaboratively whether the project can move into the next phase or wave.

On both levels (wave, sprint) milestones are used to monitor KPIs as an indicator for project progress via Solution Readiness Dashboard
Requirements tile

Requirements ‘In Progress’

- are associated with Work Packages from current Project
- have the detail status ‘In Realization’
Work Package tile

Number of Work Packages assigned to selected Project

Aggregated view on Work Packages per Category and Wave with drill down to details
Work Package tile – additional information on actual vs. planned effort

New Effort tab

Aggregated view per Wave

Detailed view per Work Package

Actual effort includes recorded all efforts of Work Package, related Work Items and Defect Corrections
Work Item tile

Number of Work Items assigned to selected Project
Aggregated view on Work Items per Category and Classification with drill down to details
Schedule tile

Percentage overview on Project Tasks according to their status and due dates.

**Completed:** The tasks which have the status Completed.

**To be done:** Un-completed tasks for which the Finish Date has not been reached yet.

**Overdue:** Un-completed tasks which the Finish Date is in the past.

<table>
<thead>
<tr>
<th>Project Name</th>
<th>Task Description</th>
<th>Status</th>
<th>Completion</th>
<th>Remainders</th>
<th>Start Date</th>
<th>Finish Date</th>
</tr>
</thead>
<tbody>
<tr>
<td>Focused Build Master Project</td>
<td>Wave 1: Q-Gate exit criteria fulfillin</td>
<td>Released</td>
<td>0%</td>
<td>9</td>
<td>04.10.2019</td>
<td>05.10.2019</td>
</tr>
<tr>
<td>Focused Build Master Project</td>
<td>Wave 1</td>
<td>Created</td>
<td>0%</td>
<td>10</td>
<td>21.07.2019</td>
<td>05.10.2019</td>
</tr>
<tr>
<td>Focused Build Master Project</td>
<td>Wave 1 Testing</td>
<td>Created</td>
<td>0%</td>
<td>10</td>
<td>05.10.2019</td>
<td>05.10.2019</td>
</tr>
<tr>
<td>Focused Build - Build Project 2</td>
<td>Wave 1</td>
<td>Created</td>
<td>0%</td>
<td>10</td>
<td>21.07.2019</td>
<td>05.10.2019</td>
</tr>
<tr>
<td>Focused Build - Build Project 2</td>
<td>Wave 1: Q-Gate exit criteria fulfillin</td>
<td>Created</td>
<td>0%</td>
<td>10</td>
<td>05.10.2019</td>
<td>05.10.2019</td>
</tr>
<tr>
<td>Focused Build - Build Project 2</td>
<td>Wave 1 Testing</td>
<td>Created</td>
<td>0%</td>
<td>10</td>
<td>05.10.2019</td>
<td>05.10.2019</td>
</tr>
<tr>
<td>Focused Build - Build Project 1</td>
<td>Wave 1</td>
<td>Released</td>
<td>0%</td>
<td>10</td>
<td>21.07.2019</td>
<td>05.10.2019</td>
</tr>
<tr>
<td>Focused Build - Build Project 1</td>
<td>Wave 1: Scope &amp; Build</td>
<td>Released</td>
<td>0%</td>
<td>10</td>
<td>21.07.2019</td>
<td>05.10.2019</td>
</tr>
<tr>
<td>Focused Build - Build Project 1</td>
<td>Wave 1: Define Wave scope</td>
<td>Released</td>
<td>0%</td>
<td>10</td>
<td>05.10.2019</td>
<td>05.10.2019</td>
</tr>
</tbody>
</table>

© 2021 SAP SE or an SAP affiliate company. All rights reserved. | PUBLIC
Current Wave Progress tile

Progress of work packages assigned to current wave.

The **Schedule** tab visualize the progress of the work packages of a current or selected wave. Timeline of sprints and Milestone for Single Functional Test. You can also display the progress for work items choosing by **Current Wave Progress for Work Items** and if needed drill down to Sprint level.

The **KPIs** tab shows the ratings for status and documentation of work packages.

Work Packages status values are aggregated by 4 status groups:

- **Successfully Tested:** Successfully Tested, Handed over to Release, Productive, Complete
- **In Development:** To be Developed, In Development, In Repair, To be Tested
- **Scoping:** Scoping, Scope Finalized, Scope Extension
- **Created:** Created
Current Wave Progress tile – Details about Work Items

Progress of work items assigned to current wave.

View progress of the work items of a current or selected wave with timeline of sprints and milestone for Single Functional Test. If you select dedicated Sprint the milestone for ‘Unit Test Completed’ is displayed.

Work Item status values are aggregated by 3 status groups:

- **Successfully Tested**: Successfully Tested, Handed over to Release, Productive, Completed
- **In Development**: To be Developed, To be Tested
- **Created**: Approved, Created
Scope Change tile

The percentage of work packages that are rated as scope changes.

Scope changes are work packages that have been newly created since the initial definition of the project scope and related budget.

Choose the **Scope Change** tile to display an overview table of the scope changes. To view work package details, choose the work package ID in the table.

<table>
<thead>
<tr>
<th>Work Package ID</th>
<th>Description</th>
<th>Status</th>
<th>Priority</th>
<th>Type</th>
<th>Category</th>
<th>Wave</th>
<th>Build Completion</th>
</tr>
</thead>
<tbody>
<tr>
<td>8000000586</td>
<td>scope change (dont change)</td>
<td>Created</td>
<td></td>
<td>GAP</td>
<td>Unassigned</td>
<td>Unassigned</td>
<td>19.09.2019</td>
</tr>
<tr>
<td>8000000540</td>
<td>this is scope change (dont)</td>
<td>Created</td>
<td></td>
<td>GAP</td>
<td>Unassigned</td>
<td>Unassigned</td>
<td>19.09.2019</td>
</tr>
<tr>
<td>8000000542</td>
<td>scope change (dont change)</td>
<td>Created</td>
<td></td>
<td>GAP</td>
<td>Unassigned</td>
<td>Unassigned</td>
<td>19.09.2019</td>
</tr>
<tr>
<td>8000000544</td>
<td>scope change (dont change)</td>
<td>Created</td>
<td></td>
<td>GAP</td>
<td>Unassigned</td>
<td>Unassigned</td>
<td>19.09.2019</td>
</tr>
<tr>
<td>8000000550</td>
<td>scope change (dont change)</td>
<td>Created</td>
<td></td>
<td>GAP</td>
<td>Unassigned</td>
<td>Unassigned</td>
<td>19.09.2019</td>
</tr>
</tbody>
</table>
Functional Specification tile

Percentage overview on Work Packages according to KPI definition for Functional Specification and related due dates.

**Completed:** Required document available and released

**To be done:** Required document does not meet KPI definition but Due Date has not been reached yet.

**Milestone Missing:** Date of related milestone or milestone is missing in project for assigned Wave

**Overdue:** Required document does not meet KPI definition and Due Date is in the past.

Click on bar allows drill down to list of relevant Work Packages
Technical Design tile

Percentage overview on Work Items according to KPI definition for Technical Design and related due dates.

**Completed:** Required document available and released

**To be done:** Required document does not meet KPI definition but Due Date has not been reached yet.

**Milestone Missing:** Date of related milestone or milestone is missing in project for assigned Sprint

**Overdue:** Required document does not meet KPI definition and related Due Date is in the past.

Click on bar allows drill down to list of relevant Work Items
Development tile

Percentage of Work Items according to status and due date.

**Completed:** The Work Items have the status To Be Tested or later and the related Due Date has not been reached yet.

**To be done:** Work Items don't have the status To Be Tested yet and the related Due Date has not been reached yet.

**Milestone Missing:** Date of related milestone or milestone is missing in project for assigned Sprint

**Overdue:** The Work Items don't have the status To Be Tested or later and the related Due Date is in the past.
Unit Test tile

Percentage of Work Items according to status and due date.

**Completed:** Work Items have the status ‘Successfully Tested’ or later

**To be done:** Status is not yet ‘Successfully Tested’ and the related Due Date has not been reached yet.

**Milestone Missing:** Date of related milestone or milestone is missing in project for assigned Sprint

**Overdue:** Status is not yet ‘Successfully Tested’ and the related Due Date is in the past.
Defect Corrections tile

Number of Defect Corrections in the selected project assigned to a Work Package with Status ‘Successfully Tested’ or before

**Completed:** Defect Corrections that have the status Confirmed.

**To be done:** Defect Corrections that have one of the following statuses: Created, Being Corrected, Information Required, To be Retested w/o Transport, Transport to Retesting.

**Withdrawn:** Defect Corrections that have the status Withdrawn.

**Overdue:** Defect Corrections do not have the status Confirmed and Due Date ‘Single Func. Test Completed’ in related Work Package is in the past
Tile shows number of risks assigned to the selected project

Risk Matrix:
Visualization of aggregated risk status
Intuitive navigation to details with predefined filters (Status and Risk Level)
Risk Level based on Impact and Probability:

<table>
<thead>
<tr>
<th>Impact</th>
<th>Probability</th>
<th>Risk Level</th>
</tr>
</thead>
<tbody>
<tr>
<td>Low</td>
<td>Low</td>
<td>Low</td>
</tr>
<tr>
<td>Low</td>
<td>Medium</td>
<td>Medium</td>
</tr>
<tr>
<td>Low</td>
<td>High</td>
<td>Medium</td>
</tr>
<tr>
<td>Medium</td>
<td>Low</td>
<td>Medium</td>
</tr>
<tr>
<td>Medium</td>
<td>Medium</td>
<td>Medium</td>
</tr>
<tr>
<td>Medium</td>
<td>High</td>
<td>Medium</td>
</tr>
<tr>
<td>High</td>
<td>Low</td>
<td>High</td>
</tr>
<tr>
<td>High</td>
<td>Medium</td>
<td>High</td>
</tr>
<tr>
<td>High</td>
<td>High</td>
<td>High</td>
</tr>
</tbody>
</table>
Issue Management known from SAP Engagement and Service Delivery can be used together with Focused Build Projects.

Tile shows number of issues assigned to the selected project.
Dashboard View Configuration

Configure* the dashboard to your own needs

Selection of tiles to be displayed and save setting in a configuration

Choose which configuration to be used by default

* Role SAP_OST_FB_TOOLLEAD / authorization object /STDF/APPC is required
Solution Readiness Dashboard
Automated update of dashboard data via report /SALM/DATA_EXTRACTION_PPMITSM

Although real-time update as been introduced with SP07 for Requirements, Work Packages and Work Items, Defect Corrections, Projects and Risks, the default variant of these 2 reports should be scheduled at least once a day.

Focused Build data to be selected for Solution Readiness and Release Dashboard

This option extracts only data that has been changed since last extraction to save runtime. Only deactivate this option when necessary due to issues.

All Focused Build projects with status ‘Created’ or ‘Released’ are considered by the default variant ‘FOCUSED_BUILD1’.

Variant can be changed to allow extraction for dedicated projects based on project id or status.

E.g. if you like to keep data also for completed projects you can adapt the variant accordingly.

Depending on the amount of projects, requirements, work packages etc. you might face longer runtime of the batch job.

With the default variant, the extraction is processed in parallel and uses 50 % of available work processes.

After extraction job is completed the report /SALM/FILL_SRD_CACHE should be scheduled to update data in the cache.
Solution Readiness Dashboard
Cleanup of extractor data via report /SALM/DATA_EXTRACTION_DELETE

This report can be used on demand to cleanup extraction data for un-used projects or compress transactional historic data on a weekly base.

Time frame for aggregation of transactional historic data

If selected, project data with below criteria are deleted from extraction data. If selected, transactional data from time frame above are compressed, so only one entry of a weeks state of an entity will be kept.

Selection criteria for projects to be deleted from extractor data

Project ID - Here you choose the Project IDs for the projects, which will be deleted. When the field is empty, all project with the chosen project status are deleted.

Project Status - Here you choose the Project Status Values for the projects, which will be deleted. Default: Completed, Canceled, To be Archived

Data are only deleted, when both conditions are fulfilled.