Focused Build for SAP Solution Manager 7.2 (SP5)
Solution Readiness Dashboard

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Overview
Focused Build – Architecture Overview and Integration Model

Change Control Landscape

Release Management

Release Number and Cycle

Project Management

Wave 1

Sprint 1..n

Task 1..n

Milestone

Q-Gate

Process Management

Process and Application Landscape

Design Documents

Branches

Test Cases

Requirements / Work Packages / Work Items

Requirements

Work Packages

Work Items

Test Suite

Test Plan

Test Package

Solution Readiness Dashboard

No. of reported gaps

176

No. of work packages

1367

No. of work items

4134

Development

12%
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
- Test Manager
- Release Manager

Solution Readiness Dashboard
Test Suite Dashboard
Release Dashboard
Using project structure and Categorization Schema

Master 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 – Master Project

Aggregated data for all Build-Projects assigned to Master Project

Aggregated data per Build Project

Select Build Project
Solution Readiness Dashboard – Build Project

Aggregated for selected Build-Project

Aggregated data per Category
Solution Readiness Dashboard
Dashboard tiles after Project Preparation

After project preparation following tiles in the Solution Readiness Dashboard already provides some basic data.
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>8000007843</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
Tasks and Quality Checkpoints

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 defined in the build project 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 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>Remaining</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 fulfill</td>
<td>Released</td>
<td>0%</td>
<td>9</td>
<td>04.10.2019</td>
<td></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></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 fulfill</td>
<td>Created</td>
<td>0%</td>
<td>10</td>
<td>05.10.2019</td>
<td></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></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></td>
</tr>
</tbody>
</table>
Current Wave Progress tile

The actual completion rate in percentage across all work packages that are in scope of the current wave.

The Schedule tab displays the progress of the work packages of a selected wave. If you want to view a more detailed view of the current wave progress, you can also display the progress for work items per sprint by choosing Current Wave Progress for Work Items.

The KPIs tab shows the status of the documents for the work packages of the selected wave.
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</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 (don't 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 (don't</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 (don't 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 (don't 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 (don't 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

<table>
<thead>
<tr>
<th>Work Package ID</th>
<th>Title</th>
<th>Project Name</th>
<th>Status</th>
<th>Priority</th>
<th>WP Class</th>
<th>Category</th>
</tr>
</thead>
<tbody>
<tr>
<td>8000000455</td>
<td>WP01</td>
<td>Focused Build - Build Pr...</td>
<td>In Repair</td>
<td></td>
<td>GAP</td>
<td>Application</td>
</tr>
<tr>
<td>8000000456</td>
<td>Work Package 02</td>
<td>Focused Build - Build Pr...</td>
<td>Scoping</td>
<td></td>
<td>WRICEF</td>
<td>Unassigned</td>
</tr>
<tr>
<td>8000000457</td>
<td>Test Project</td>
<td>Focused Build - Build Pr...</td>
<td>Scope Exp</td>
<td></td>
<td>Fit</td>
<td>Unassigned</td>
</tr>
<tr>
<td>8000000462</td>
<td>test BP issue</td>
<td>Focused Build - Build Pr...</td>
<td>Scope Exp</td>
<td></td>
<td>WRICEF</td>
<td>IT Infrastructure</td>
</tr>
<tr>
<td>8000000448</td>
<td>Sales Order improvement</td>
<td>Focused Build - Build Pr...</td>
<td>To Be De...</td>
<td></td>
<td>GAP</td>
<td>Project</td>
</tr>
<tr>
<td>8000000453</td>
<td>Sales Order improvement</td>
<td>Focused Build - Build Pr...</td>
<td>In Develo...</td>
<td></td>
<td>WRICEF</td>
<td>IT Infrastructure</td>
</tr>
</tbody>
</table>
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.

<table>
<thead>
<tr>
<th>Wo...</th>
<th>Type</th>
<th>Title</th>
<th>Status</th>
<th>W...</th>
<th>Cat...</th>
<th>W...</th>
<th>Wave</th>
<th>Dev...</th>
<th>Tester</th>
<th>Dev...</th>
<th>Prio...</th>
</tr>
</thead>
<tbody>
<tr>
<td>800001;</td>
<td>GC</td>
<td>W...</td>
<td>Success</td>
<td>Workflow</td>
<td>Una...</td>
<td>WP_AssignStruct13</td>
<td>Wav...</td>
<td>Kata...</td>
<td>Kata...</td>
<td>4: Low</td>
<td></td>
</tr>
<tr>
<td>800001;</td>
<td>NC</td>
<td>W...</td>
<td>Success</td>
<td>N/A</td>
<td>Una...</td>
<td>WP for W...</td>
<td>Wav...</td>
<td>OST...</td>
<td>OST...</td>
<td>2: High</td>
<td></td>
</tr>
<tr>
<td>800001;</td>
<td>GC</td>
<td>W...</td>
<td>Success</td>
<td>N/A</td>
<td>Una...</td>
<td>WP for W...</td>
<td>Wav...</td>
<td>OST...</td>
<td>OST...</td>
<td>2: High</td>
<td></td>
</tr>
<tr>
<td>800001;</td>
<td>GC</td>
<td>W...</td>
<td>To B...</td>
<td>N/A</td>
<td>Appl...</td>
<td>ST-OST 200 SP 04 - Proj...</td>
<td>Wav...</td>
<td>OST...</td>
<td>FB...</td>
<td>2: High</td>
<td></td>
</tr>
</tbody>
</table>
### 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.

<table>
<thead>
<tr>
<th>Work Item ID</th>
<th>Type</th>
<th>Title</th>
<th>Status</th>
<th>Classification</th>
<th>Cat.</th>
<th>Work Package</th>
<th>Wave</th>
<th>Dev.</th>
<th>Tester</th>
<th>Dev.</th>
<th>Prio</th>
</tr>
</thead>
<tbody>
<tr>
<td>800001</td>
<td>GC</td>
<td>WI_AssignStruct08_01</td>
<td>Success</td>
<td>Workflow</td>
<td>N/A</td>
<td>WP_AssignStruct13</td>
<td>Wav...</td>
<td>Kata...</td>
<td>Kata...</td>
<td></td>
<td>4</td>
</tr>
<tr>
<td>800001</td>
<td>NC</td>
<td>WI_test_02</td>
<td>Success</td>
<td>N/A</td>
<td>N/A</td>
<td>WP for WI test</td>
<td>Wav...</td>
<td>OST...</td>
<td>OST...</td>
<td></td>
<td>2</td>
</tr>
<tr>
<td>800001</td>
<td>GC</td>
<td>WI_test_01</td>
<td>Success</td>
<td>N/A</td>
<td>N/A</td>
<td>WP for WI test</td>
<td>Wav...</td>
<td>OST...</td>
<td>OST...</td>
<td></td>
<td>2</td>
</tr>
<tr>
<td>800001</td>
<td>GC</td>
<td>WI for testing SP04 21</td>
<td>To B...</td>
<td>N/A</td>
<td>Appl...</td>
<td>ST-OST 200 SP 04 - Proj</td>
<td>Wav...</td>
<td>OST...</td>
<td>FB...</td>
<td></td>
<td>2</td>
</tr>
</tbody>
</table>
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

<table>
<thead>
<tr>
<th>Defect Correction</th>
<th>Title</th>
<th>Status</th>
<th>Priority</th>
<th>Category</th>
<th>Work Package</th>
<th>Wave</th>
<th>Created On</th>
</tr>
</thead>
<tbody>
<tr>
<td>8000013032</td>
<td>20190516 standalone</td>
<td>Created</td>
<td>4: Low</td>
<td>Master Data</td>
<td>20190516 standalone</td>
<td>Wave 1</td>
<td>13.06.2019</td>
</tr>
<tr>
<td>8000013784</td>
<td>CPX - TechEd 3</td>
<td>Created</td>
<td>4: Low</td>
<td>Unassigned</td>
<td>CPX - TechEd 3</td>
<td>Wave 2</td>
<td>06.09.2019</td>
</tr>
<tr>
<td>8000012476</td>
<td>Create DC out of W</td>
<td>Created</td>
<td>4: Low</td>
<td>Unassigned</td>
<td>Test ST-OST 200 Si</td>
<td>Wave 1</td>
<td>03.06.2019</td>
</tr>
</tbody>
</table>
Risk tile with Risk Matrix for Focused Build Project

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>1</td>
</tr>
<tr>
<td>Low</td>
<td>Medium</td>
<td>2</td>
</tr>
<tr>
<td>Low</td>
<td>High</td>
<td>3</td>
</tr>
<tr>
<td>Medium</td>
<td>Low</td>
<td>1</td>
</tr>
<tr>
<td>Medium</td>
<td>Medium</td>
<td>2</td>
</tr>
<tr>
<td>Medium</td>
<td>High</td>
<td>3</td>
</tr>
<tr>
<td>Medium</td>
<td>High</td>
<td>4</td>
</tr>
<tr>
<td>High</td>
<td>Low</td>
<td>1</td>
</tr>
<tr>
<td>High</td>
<td>Medium</td>
<td>2</td>
</tr>
<tr>
<td>High</td>
<td>High</td>
<td>3</td>
</tr>
<tr>
<td>High</td>
<td>High</td>
<td>6</td>
</tr>
</tbody>
</table>
**Issue tile**

Issue Management known form SAP Engagement and Service Delivery can be used together with Focused Build Projects.

Tile shows number of issues assigned to the selected project.

### Issue Management Table

<table>
<thead>
<tr>
<th>Issue Id</th>
<th>Description</th>
<th>Status</th>
<th>Priority</th>
<th>Requester</th>
</tr>
</thead>
<tbody>
<tr>
<td>8000012278</td>
<td>Memory not enough</td>
<td>In Process</td>
<td>1: Very High</td>
<td>OST_SA_76</td>
</tr>
<tr>
<td>8000012279</td>
<td>Memory not enough</td>
<td>Completed</td>
<td>1: Very High</td>
<td>OST_SA_76</td>
</tr>
<tr>
<td>8000012277</td>
<td>Project resource not enough</td>
<td>Open</td>
<td>2: High</td>
<td>OST_SA_76</td>
</tr>
<tr>
<td>8000006560</td>
<td>RM_FB_AT_BUILD1_SP02 Issue 1</td>
<td>In Process</td>
<td>3: Medium</td>
<td>ANZEIGER</td>
</tr>
<tr>
<td>8000008559</td>
<td>RM_FB_AT_BUILD1_SP02 Issue 2</td>
<td>Open</td>
<td>3: Medium</td>
<td>ANZEIGER</td>
</tr>
</tbody>
</table>
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

Default variant to be scheduled via Job Scheduler (SM36):

<table>
<thead>
<tr>
<th>General Settings</th>
</tr>
</thead>
<tbody>
<tr>
<td>- Focused Build Data</td>
</tr>
<tr>
<td>- Change Request Management Data</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Extraction Method</th>
</tr>
</thead>
<tbody>
<tr>
<td>- Extract from last succ ext</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Focused Build Project Selection</th>
</tr>
</thead>
<tbody>
<tr>
<td>Project: [ ] 1700</td>
</tr>
<tr>
<td>Status: [ ] 1700</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Runtime Settings</th>
</tr>
</thead>
<tbody>
<tr>
<td>- Multi process mode</td>
</tr>
<tr>
<td>- Maximum Work Processes allowed: [ ]</td>
</tr>
</tbody>
</table>

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.
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.
Thank you.

Contact information:

F name L name
Title
Address
Phone number