

What's New in Enterprise Portfolio and Project Management

SAP S/4HANA On-Premise & Cloud

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Agenda

- Brief Solution Overview – Enterprise Portfolio and Project Management
- Latest Innovations in EPPM On-Premise
- Roadmap S/4HANA on-premise
- EPPM in Cloud (S/4HANA Cloud & BTP)
- Questions & Answers

EPPM Solution Overview

Enterprise Portfolio and Project Management Overview

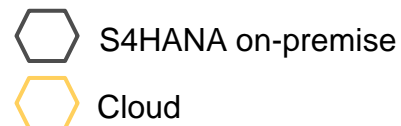


+ RISE S/4HANA

+ S/4HANA Cloud Extended Edition

Solution Capabilities in EPPM

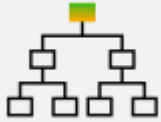
SAP Enterprise Portfolio and Project Management



SAP S/4HANA

- Single source of truth
- Finance - Providing Instant access to detailed financial insights
- Direct access to ERP cost records
- Efficient procurement
- Human Resources integration
- S/4HANA real-time project analytics
- Consistent Fiori UX for SAP S/4HANA

Solution Overview



Manage and control enterprise wide, project related investments

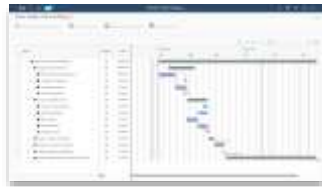
S/4



Project Proposal Mgmt.

- Project Request incl. Benefits and Goals
- Budget & capacity Planning
- Stage/Gate process
- Questionnaires
- Scorings

S/4



Project Planning & Scheduling

- Structure Project Phases and Task, Milestones
- Project Scheduling
- Task and deliverables management
- Simulation and Versions
- Integration with Accounting
- Integration with Oracle P6 and MS Project

S/4



Project Cost Planning & Forecasting

- Detailed Financial Planning
- Plan required Activities, Services and Material Quantities
- Multiple Planning versions
- Automatic price determination or manual input
- Forecasting

S/4



Issue, Risk and Change Management

- Issues and Risks in Projects
- Mitigation Activities
- Request and approve Changes
- Track Changes for Approved, Pending and Current Cost Plan
- Automatic update of Project Cost Plan with approved changes

PIN



Project Collaboration

- Visualization of Project information
- Information Exchange and communication with contractors
- Digital twin in Projects
- Task management with external participants

BTP



Portfolio Analysis

- Review Portfolio Performance
- Real time insights into costs, budget consumption and progress
- Roll Up and Aggregation
- Identification of critical projects
- Alignment of Investments with corporate strategy

Latest Innovations EPPM On-Premise

Customer Connection (SAP Business Suite) Statistics

- [ERP PLM 2022 - Portfolio & Project Management and Project System](#)
 - Collect Phase starts on Oct 1st
 - Kick-off Call on 14th Oct
- [ERP PLM 2021 - Portfolio & Project Management and Project System](#)
 - 1st Delivery Call 14th Oct
 - 13 Improvements planned for PPM,
 - 7 Improvements planned for PS

The screenshot displays the SAP Customer Connection interface for the project 'ERP PLM 2022 - Portfolio & Project Management and Project System'. The dashboard features five project cards, each with a title, description, and status. Below the dashboard is a project overview card with the following details:

- SAP Customer Connection**
- ERP PLM 2022 - Portfolio & Project Management and Project System**
- Collect starts on Oct 1, 2021
- Status: Future

The timeline view shows the following milestones:

- Overall Timeline: Start of Project (Oct 1, 2021) and Selection Call (Oct 14, 2021)
- Collect: Kick-off Call (Oct 14, 2021) and Final Call (Oct 14, 2021)

A callout box highlights the 'Kick-off Call' on Oct 14, 2021, with the text: 'Kick-off Call for Connection Focus Topic for ERP PLM 2022!'. At the bottom, a note states: 'This project collaboration space is reserved for the sub topics: Portfolio & Project Management and Project System:'.

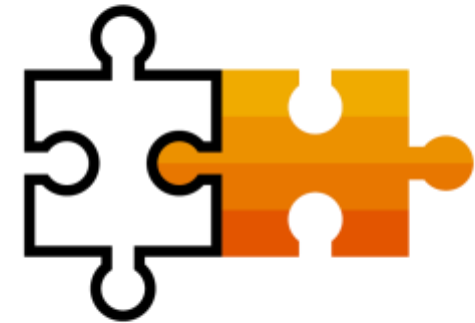
Selected Innovations SAP S/4HANA 2020 FPS1

- SAP UI5 based Network Graphic for Project System
 - Display network activities and their relationships as an interactive graph
 - Use as standalone Fiori App and integrated in Project Builder
- Enhanced Integration between Portfolio Item and Commercial Project
 - Automatic creation and linking of PS or PPM Project and Commercial Project from Portfolio Item
 - Attribute and Status Synchronization
- Risk Management for Portfolio Item and Project
 - Risk Register to track risks and opportunities
 - Risk assessment based on standardized criteria



Selected Innovations SAP S/4HANA 2020 FPS2

- Enhanced field extensibility for projects in Project System
 - Leverage Fiori extensibility fields for PS objects in classical transactions to
 - Maintain customer specific fields
 - Use in Fiori and classical structure reports
 - Accelerated creation of custom fields by business process experts and key users w/o the need of BADI implementations
- Separate archiving option for PPM project versions with associated risks
 - Improved archiving support for project versions with associated risks
- Synchronize additional attributes between commercial projects and portfolio items
 - Synchronize additional attributes between commercial projects and portfolio items
 - Align deletion of object links for commercial projects and projects from portfolio items



Enhanced Field Extensibility and API in Project System

Integration of custom fields defined through extensibility in classic transactions for:

- Project Definition
- WBS element
- Network
- Network activity
- Milestone
- Material component

Additional attributes for Read API for WBS Element

The screenshot displays the SAP Project Builder interface for Project A123. The left sidebar shows the project structure with 'Custom Fields Project Example' selected. The main area shows the 'Custom Fields' tab with the following fields:

- Project type:
- Custom Field Date:
- Project custom description:
- Project Location:
- Final Comments:
- Project text Details:

[Blog Post: Key User Extensibility for PS](#)

Synchronize additional attributes between commercial projects and portfolio items

More **flexible attribute synchronization** between commercial project and portfolio item, i.e. mapping defined in customizing and additional attribute support such as custom fields or reporting attributes

Aligned deletion of object links for commercial projects and projects from portfolio items

Improved display of item attributes on commercial project

The screenshot displays the SAP S/4HANA Project Management interface for a commercial project. The top header shows the project details: Commercial Project: 54M-1012-08, Wunsiedel - Production Line 33-2AB. The left sidebar contains project metadata:

- Commercial Project ID: 54M-1012-08
- Description: Wunsiedel - Production Line 33-2AB
- Commercial Project Type: EDO Project
- Stage: New
- Customer:
- Organization:
- Currency:
- Start Date: 10.03.2021
- End Date: 15.02.2022
- Confidential: No

The main area shows a tree view of structure elements for the project 54M-1012-08, including sub-elements like 54M-1012-0811 (Project), 54M-1012-0812 (Design), 54M-1012-0813 (Engineering), 54M-1012-0814 (Procurement), 54M-1012-0815 (Testing), 54M-1012-0816 (Go Live), and 54M-1012-0818 (Closure). The selected element is 54M-1012-08, with a description of Wunsiedel - Production Line 33-2AB.

Below the structure element list, there are sections for 'Assigned Reporting Attributes', 'Attachments', and 'Attributes'. The 'Attributes' section is expanded, showing 'Object Attributes' and 'Assigned Reporting Attributes'. The 'Portfolio Item Details' section displays the following information:

Item Type:	Capital Project (CPM)
Status:	In Progress
Name:	Wunsiedel - Production Line 33-2AB
Decision Point Name:	Proposal
Decision Point Status:	Approved

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

Extension for Risk Management for Portfolio Item and Project

Separate archiving of project and item versions with associated risks

Assess risks based on **standardized criteria** and define **risk response**

The screenshot displays the SAP Risk Register interface for 'S4M-1012-08: Wunsiedel - Production Line 33-2AB - Risk Management'. The 'Risk Register' section contains a table with the following data:

* Risk Description	Risk/Opportunity	Risk Status	Risk L.	Risk Score	* Category	Probability	Impact	Cost	Quality	Schedule	Risk ID	Scope
Amendment of contract	Opportunity	In Process	👍	3	Bidding	Remote (01)	Moderate Benefit (3)	< 5% Cost saving (2)	Moderate Quality Enhanc	5-10% Ahead of Schedule	1000000420-RSK-00005	Moderate Billable
Delay due to poor weather on site	Risk	In Process	⚠️	-10	Construction	Unlikely (02)	Catastrophic Risk (5-)	< 5% Cost Increase (2-)	Quality Reduction Requir	> 20% Overall Project Slig	1000000420-RSK-00004	Minor Areas of Scop
Design Change in Foundation	Risk	New	⚠️	-10	Construction	Unlikely (02)	Catastrophic Risk (5-)	< 5% Cost Increase (2-)	Project End Item Is Effect	Insignificant Schedule Slig	1000000420-RSK-00003	Minor Areas of Scop
Deficiency in drawings	Risk	In Process	🚨	-20	Design	Near Certain (05)	Major Risk (4-)	10-20% Cost Increase (4)	Quality Reduction Unacce	10-20% Overall Project Sl	1000000420-RSK-00002	Minor Areas of Scop
Resource not available to meet schedule	Risk	New	🚨	-16	Project Devel...	Highly Likely (04)	Major Risk (4-)	5-10% Cost Increase (3-)	Quality Reduction Unacce	10-20% Overall Project Sl	1000000420-RSK-00001	Scope Reduction U

Below the table, the 'Risk Response' tab is active, showing details for the selected risk:

- Response Type: Accept
- Response Owner:
- Response Status: Draft
- Response Mitigation Cost: 25.000,00 EUR
- Response Due Date: 12.04.2021
- Last Reviewed: 21.01.2021

The 'Response Description' field contains: 'Alternative entry to construction site from eastern road planned in case weather gets worse.'

The 'Response Comments' field is currently empty.

Road Map **and** Outlook

EPPM in SAP Road Map Explorer

The screenshot displays the SAP Road Map Explorer interface. At the top, the SAP logo and 'Road Map Explorer' are visible, along with navigation tabs for Products, Processes, and Industries. The main area shows a grid of road map items organized by quarter and year. The current view is for Q1 2021, with other quarters (Q2 2021, Q3 2021, Q4 2021, Q1 2022, Q2 2022, Q3 2022) visible as tabs. The items are categorized into areas like Commercial Project Management, Project Financials Control, Project Logistics Control, and Project Management. Each item includes a title, a description, and a 'SAP S/4HANA' tag. A search bar at the top right shows '34 Road Map Items'.

[EPPM Road Map in SAP S/4HANA](#)

Selected Innovations planned for SAP S/4HANA 2021 FPS0/FPS1



- SAP Fiori app for project Gantt chart: Project Schedule app
 - Visualization of project structure and scheduling information in a graphical way, leveraging the Gantt graphic control for SAPUI5
- Modernized PS text handling option
 - New Fiori app for central PS text handling
 - Storage of PS texts as notes or attachments
- New ODATA based Create, Delete and Update APIs for PS projects and WBS elements
- PPM integration scenarios with SAP Enterprise Product Design
 - New object link to integrate portfolio items and projects with collaboration cloud services
 - Integration with requirements management cloud services



SAP Fiori App for Project Gantt chart

Planned

Visualization of project structure and scheduling information in Gantt chart

Launched from Project Builder or as standalone app

Side Panels for detailed information on project objects and navigation

Flexible handling of variants including graphic settings

The screenshot displays the SAP Fiori Project Gantt chart application. The top navigation bar shows 'SAP Project Schedule'. Below it, the project name 'My Project MARS2103*' is visible. The main interface is divided into three sections:

- Table View (Left):** A table listing project tasks with columns for Name, ID, Basic Start, and Basic Finish. The tasks are organized hierarchically under 'C-MARS_EPPM User Experience Interaction'.
- Gantt Chart (Center):** A visual representation of the project schedule from April 2021 to April 2022. It shows a main bar for 'Trip - Mars Perseverance' and various sub-tasks like 'Launch', 'Flight', and 'Landing' with their respective durations and dependencies.
- Side Panel (Right):** A detailed view for the selected task 'Launch (MARS2103111)'. It provides 'General Information' (Level: 3, Person Responsible, Applicant) and 'Organizational Data' (Controlling Area Name, Business Area Name, Responsible Cost Center Name).

Planned

Enhanced field extensibility for project structure reports

Enabling key user extensibility for output of e.g.

- Project Structure Reports (*CNxx, CNSxx, CNxxN*)
- Milestone Trend Analysis Report
- Batch Variants (*CN70*)
- Change Documents (*CN60/CNS60; CJCD; COCD*)

Project Info System: WBS Elements Overview

WBS element	Name	Level CA	No. resp. Finish (B)	Basic start date Dtl	ZWBSLocation
<input type="checkbox"/> SAT_X11	Header WBS	1 0001	25.05.2021	01.05.2021	Walldorf
<input type="checkbox"/> SAT_X111	WBS 1.1	2 0001			

Integration PPM with Cloud Collaboration Services

Planned

Facilitate project-related collaboration with external parties

- Object Link between project structure elements and collaboration

Collaborate leveraging

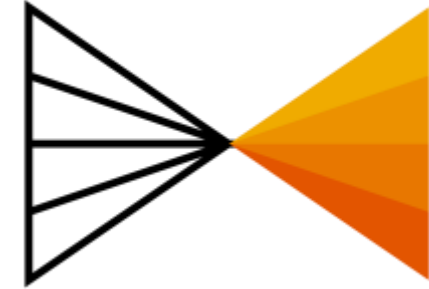
- Document Sharing
- Assignments of Work Item

The screenshot displays the SAP Project: EPD Project for Product Development interface. The main view shows the project structure with a table of project elements. A table of collaborations is visible, with one entry highlighted: 'Smart City Project Collaboration' (Object Type: Collaboration (Enterprise Product)). The 'Details' button for this collaboration is highlighted with a red box. Below the table, the 'Collaboration' details are shown, including the name 'Smart City Project Collaboration' and the description 'This Collaboration is provided by...'. A 'Participants' section lists 'Montz' as a participant. The 'Administrative Data' section is also visible.

Outlook and Future Direction



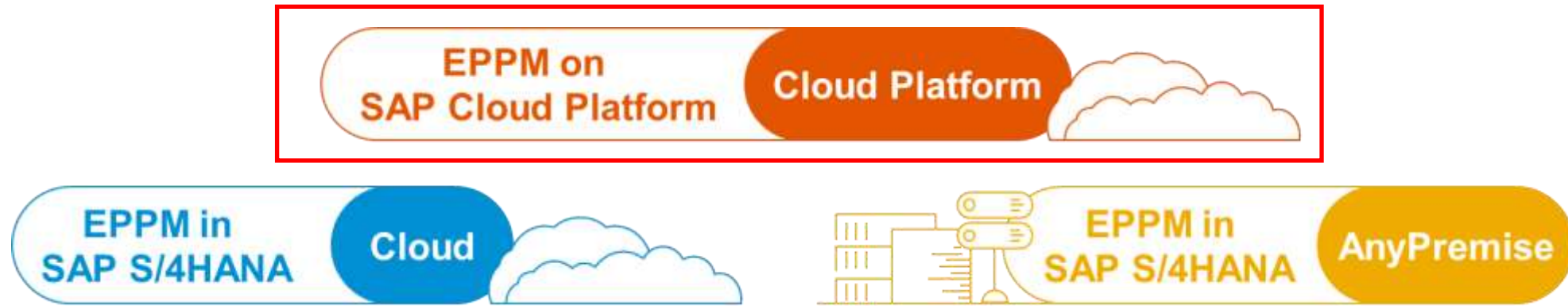
- Modernization of selected compatibility scope items:
 - Reporting
 - Project system logistics capabilities, such as project-oriented procurement
 - Claim management
 - Planning and maintenance of project structure elements
 - Progress tracking components
 - Further topics under preparation*)
- Extended leverage of new Financial Planning and reporting capabilities
 - Activity input planning via SAP Analytics Cloud
 - Storage of network costing data in ACDOCP database table
 - Storage of Easy Cost Planning data in ACDOCP database table
 - Portfolio item financial planning integration with ACDOCP database table
 - Tbd
- Additional ODATA based APIs and support of hybrid scenarios
- SAP Intelligent Robotic Process Automation for EPPM ([CEI](#) started)



*) The latest official status of compatibility scope items can be found in the “way forward” Excel attached to note <https://launchpad.support.sap.com/#/notes/2269324>

EPPM Cloud

Enterprise Portfolio and Project Management Overview



+ RISE S/4HANA

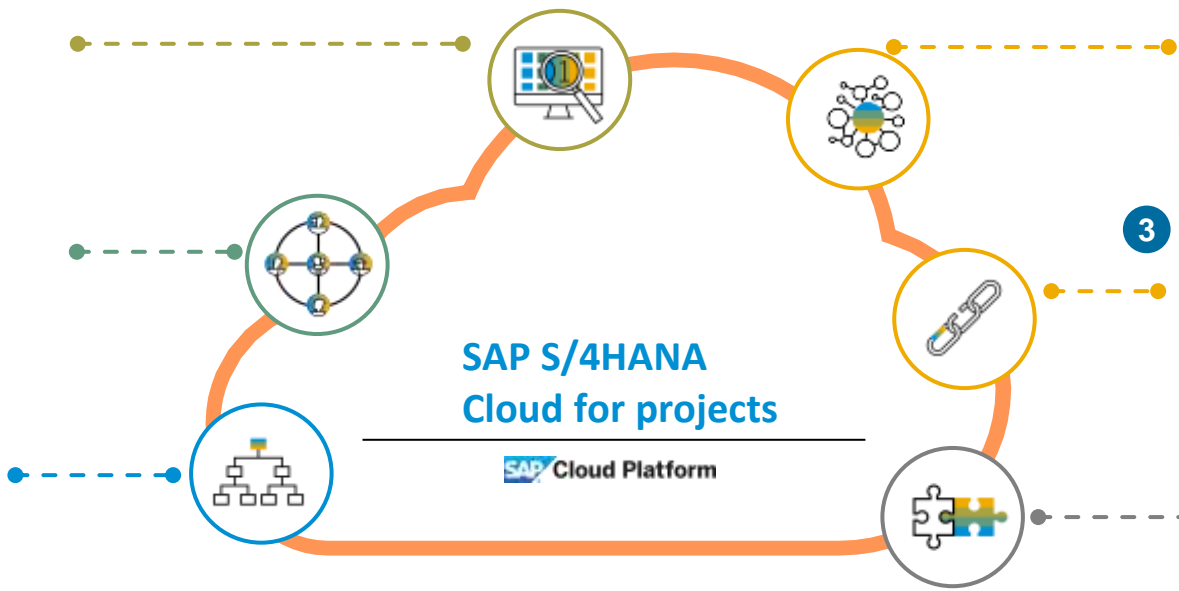
+ S/4HANA Extended Edition

SAP EPPM Cloud – Public Cloud (BTP)

SAP Lab Preview

Covered by : SAP S/4HANA Cloud for projects

- 1 **Portfolio Management**
Do the right Projects – Prioritize based on corporate strategies and business goals (tbd)
- Resource Management**
Gain insights into demands, put resources in the right place at the right time (Q3/20)
- New: Project Management**
Decouple planning processes and connect with ERP at the right point in time (Q2/22)



2 Covered by : SAP S/4HANA Cloud for projects (planned in Q4/2021)

- 2 **Project Collaboration (PIN)**
Connect people, information and processes across intelligent enterprises

3 Included in SAP S/4HANA Cloud for projects

- 3 **Data Connection**
Integration to 3rd party scheduling tools (Q4/21)

- Extensibility**
Extend processes with customer and partner apps

2021: Focus on Professional Service Projects (S4HC)



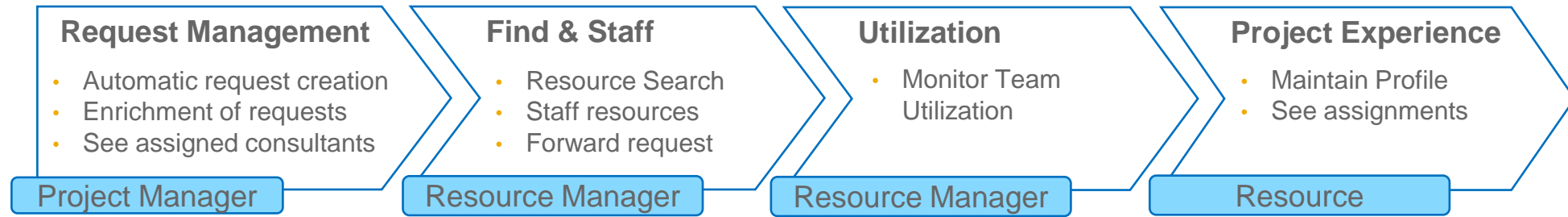
- Project financials control
- Project logistics control
- Professional Service Edition (Project Accounting & Billing)



- Portfolio management
- Project management
- Resource management*
- Project financials control
- Project logistics control

S/4HANA Cloud for projects, Resource Management Process Overview

SAP Lab
Preview - WIP



S/4HANA Cloud for projects, Resource Management

Available for Professional Service Projects



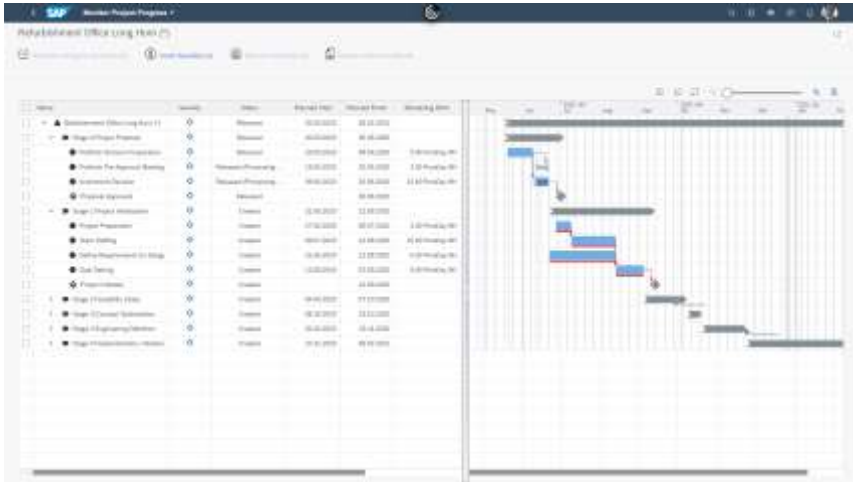
Roadmap Planning
Q4.2021 – «API»
for demand and assignment information*



Enhanced Resource Staffing Processes in EPPM with Cloud for Project Integration Scenario

SAP Lab
Preview - WIP

Project Management



Staffing Requests

S/4HANA Cloud for projects
Resource Management

Req ID	Project Name	Customer	Requested Start Date	Requested End Date	Staffing Plan (Hours)	Position	Request Priority
1000000001	Team	Customer: Subdivision: Route 55	Jan 1, 2021	Jan 31, 2021	1000000001		Medium
1000000002	Senior Consultant	Customer: Central US Customer	Jan 1, 2021	Jan 31, 2021	1000000002	Senior Consultant (1.0000000002)	Medium
1000000003	Developer	Customer: Central US Customer	Jan 1, 2021	Jan 31, 2021	1000000003	Developer (1.0000000003)	Medium
1000000004	Team	Customer: Central US Customer	Jan 1, 2021	Jan 31, 2021	1000000004		Medium
1000000005	Senior Consultant	Customer: Central US Customer	Jan 1, 2021	Jan 31, 2021	1000000005	Senior Consultant (1.0000000005)	Medium

Demand -> Request

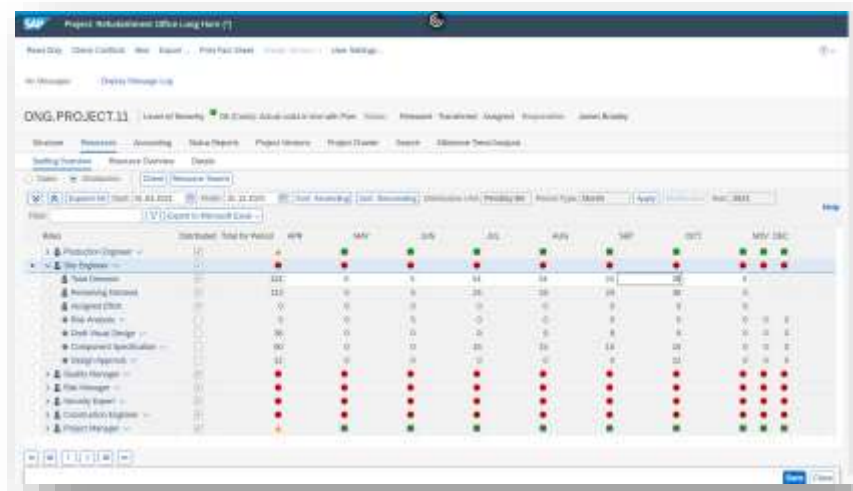
Resource Profile

Harry Whiteford

Internal Work Experience

Assignments (7) - Inactive

Req. ID	Requested Position	Position
1000000001	Senior Consultant	SR Senior Consultant (1.0000000001)
1000000002	Senior Consultant	SR Senior Consultant (1.0000000002)
1000000003	Senior Consultant	SR Senior Consultant (1.0000000003)
1000000004	Senior Consultant	SR Senior Consultant (1.0000000004)
1000000005	Senior Consultant	SR Senior Consultant (1.0000000005)
1000000006	Senior Consultant	SR Senior Consultant (1.0000000006)
1000000007	Senior Consultant	SR Senior Consultant (1.0000000007)



Assignments

My Resources

Req. ID	Requested Position	Position	Start Date	End Date	Hours	Cost	Rate	Unit
1000000001	Senior Consultant	SR Senior Consultant (1.0000000001)	2021-01-01	2021-01-31	100	1000	10	1.0000000001
1000000002	Senior Consultant	SR Senior Consultant (1.0000000002)	2021-01-01	2021-01-31	100	1000	10	1.0000000002
1000000003	Senior Consultant	SR Senior Consultant (1.0000000003)	2021-01-01	2021-01-31	100	1000	10	1.0000000003

Q & A

Thank you.

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Appendix