

Install Guide for mWorkOrder 2604

Connected Worker Solutions



Title and Copyright

Copyright and Terms of Use for Install Guide for mWorkOrder, a Mobile Workorder Management Solution of *Connected Workforce Platform*[™].

Install Guide for mWorkOrder, a Mobile Workorder Management Solution of *Connected Workforce Platform*[™].

Product Version: 2604

Release Date: 13 April 2026

Published Date: 13 April 2026

Document Version: 1.0

Copyright © 2026, Innovapptive Inc. and/or its affiliates. All rights reserved.

Primary Author: Innovapptive Inc.

Copyright Notices: Neither our Application nor any content may be copied without inclusion of all copyright notices and/or disclaimers provided therein. Any third party provider logos or marks provided through the Application shall remain owned by such third party provider as may be indicated in a notice contained in the Application or content and you shall not modify or remove any such notice. Neither we nor our suppliers or any third party providers grant any rights or license to any logos, marks, or copyrighted material other than as expressly set forth herein.

Preface

Understand audience, know related documents and products and conventions followed in this document.

Audience

This guide is for technical configurators who Install and do related configurations for mWorkOrder, a Mobile Workorder Management Solution of *Connected Workforce Platform*TM.

Document Conventions

Table 0-1 Conventions followed in the document

| Convention | Meaning |
|------------------------|--|
| boldface | Indicates graphical user interface elements associated with an action, or terms defined in text or the glossary. |
| <i>italic</i> | Indicates book titles, emphasis, or placeholder variables for which you supply values. |
| <code>monospace</code> | Indicates commands within a paragraph, URLs, code in examples, text that appears on the screen, or text that you enter |

Related Products

- [Work Order Management](#)
- [Inventory and Warehouse Management](#)
- [Operator Rounds](#)
- [Inspections Checklist](#)
- [Fixed Asset Management](#)
- [Field Procurement](#)
- [Analytics and Dashboards](#)

Contact Innovapptive

For information on Innovapptive products, visit the Innovapptive's Support Portal at <http://helpdesk.innovapptive.com>.

The updates to this document are published on this support portal. Check this website periodically for updated documentation.

For additional information about this document, send an email to documentation@innovapptive.com.

Contents

| | |
|---|------------|
| Title and Copyright..... | ii |
| Preface..... | iii |
| 1. Install Supporting Systems..... | 7 |
| 2. Install mWorkOrder..... | 9 |
| 2.1. Install Add Ons..... | 9 |
| 2.2. Install RACE™ Add-ons in SAP® S/4HANA or Hub Systems (ECC & Gateway)..... | 10 |
| 2.3. Install mWorkOrder Add Ons in SAP® S/4HANA or Hub Systems (ECC & Gateway)..... | 16 |
| 2.3.1. Verify SAP® ECC RACE™ and MWO Add-On..... | 31 |
| 2.3.2. Verify SAP® GW RACE™ and MWO Add-On..... | 33 |
| 2.4. Install mWorkOrder Add Ons in SAP® S/4HANA or Hub Systems (ECC & Gateway)..... | 34 |
| 2.5. Import RACE™ and mWorkOrder SAP® ECC and Gateway Transports in Target SAP Environments..... | 49 |
| 2.5.1. Activate RACE™ & mWorkOrder OData Services..... | 69 |
| 2.5.2. Activate UI5 Service..... | 71 |
| 2.5.3. Activate FIORI Service..... | 73 |
| 3. Check Schema Change Indicator..... | 79 |
| 4. Clean SAP Gateway Cache..... | 81 |
| 5. Configure SAP Gateway for mWorkOrder..... | 85 |
| 5.1. Prerequisites for SAP Gateway Configuration..... | 85 |
| 5.2. Configure screens based on Order Types and Notification Types..... | 87 |
| 5.3. Configure Plant Maintenance Emergency Order Types..... | 88 |
| 5.4. Map Measuring Entry List to Mobile User..... | 89 |
| 5.5. Configure Priority and System Status Color Coding..... | 91 |
| 5.6. Configure Work Order Numbers Color Coding..... | 93 |
| 5.7. Configure DMS Document Object Links..... | 94 |
| 5.8. Configure staging table for Equipment and Functional Location master..... | 95 |
| 6. Configure RACE™ for mWorkOrder..... | 100 |
| 6.1. Features of RACE™..... | 101 |

| | |
|---|------------|
| 6.2. How to Configure RACE™ for mWorkOrder | 102 |
| 7. SAP transactions and tables for mWorkOrder..... | 103 |
| 8. Create User Groups..... | 104 |
| 9. View Technician Dashboard..... | 105 |
| 10. Maintenance Tables for mWorkOrder..... | 106 |
| 11. Configure Google Maps..... | 108 |
| 12. Implement BADIs..... | 113 |
| 12.1. Prerequisites for BADI Implementation..... | 113 |
| 12.2. Activate and Implement BADI..... | 114 |
| 12.3. Verify BADI Implementation..... | 119 |
| 12.4. List of BADIs for mWorkOrder..... | 120 |
| 13. Generate Secondary Indices..... | 132 |
| 13.1. Create Secondary Index..... | 132 |
| 14. Update Resource File..... | 136 |
| 15. Download App and Install..... | 143 |

1. Install Supporting Systems

Install the following supporting systems as part of the pre-installation requirements.

Table 1-1 Prerequisites

| | |
|--|---|
| <p>Software</p> | <ul style="list-style-type: none"> • BTP (SAP Business Technology Platform) • SAP Cloud Connector latest version • SAP NetWeaver Gateway 7.4 and above with SAP_GWFND 740 component (SP 13 and above) • Reverse proxy (SAP Web Dispatcher, Apache, Junos Pulse, NetScaler proxy servers are recommended. Others need to be evaluated) • SAP_UI 740 SP13 and above or SAP_UI 750 SP01 and above • SPAM Version 69 and above (only for Add-Ons) |
| <p>SAP Business Suite</p> | <ul style="list-style-type: none"> • ECC 6.0 EHP 5 with SAP_BASIS 702 and above (recommended) • Lower versions are compatible (requires evaluation) • SAP S/4HANA Business Suite 1909, 2021, 2022, and 2023 (lower versions requires evaluation) • SAP S/4HANA Business Suite 1709, 1809, 1909, 2021 and 2022 (lower versions requires evaluation) |
| <p>Compatible Security Authentication Mechanism</p> | <ul style="list-style-type: none"> • SSO2 between BTP and NetWeaver Gateway Active Directory SSO • SAML 2.0 Authentication |

Table 1-1 Prerequisites (continued)

| | |
|--------------------|---|
| Access | <ul style="list-style-type: none">• Sap Basis & security access is required as per the access sheet provided (minimum display access) |
| Assumptions | Access to the RACE™ portal provided with required roles assigned |

2. Install mWorkOrder

Once you complete all pre-installation requirements, proceed with the mWorkOrder installation. The following flow gives you an overview of the installation process.

The sections in the following table guide you with the mWorkOrder installation process

Table 2-1 References

| Task | Reference to section |
|--|---|
| Install RACE™ Add-ons in SAP® S/4HANA or Hub Systems (ECC & Gateway) | Install RACE™ Add-ons in SAP® S/4HANA or Hub Systems (ECC & Gateway) (on page 10) |
| Install mWorkOrder Add Ons in SAP S/4HANA or Hub Systems (ECC & Gateway) | Install mWorkOrder Add Ons in SAP® S/4HANA or Hub Systems (ECC & Gateway) (on page 16) |
| Import RACE™ and mWorkOrder SAP® ECC and Gateway Transports in Target SAP Environments | Install RACE™ Add-ons in SAP® S/4HANA or Hub Systems (ECC & Gateway) (on page 10) |
| Install mWorkOrder Add Ons in SAP® ECC, Gateway, S/4HANA and UI5 | Install mWorkOrder Add Ons in SAP® S/4HANA or Hub Systems (ECC & Gateway) (on page 16) |
| Import RACE™ and mWorkOrder SAP® ECC and Gateway Transports | Import RACE™ and mWorkOrder SAP® ECC and Gateway Transports in Target SAP Environments (on page 49) |
| Activate OData, UI5, and FIORI Services | <ul style="list-style-type: none"> • Activate RACE™ & mWorkOrder OData Services (on page 69) • Activate UI5 Service (on page 71) • Activate FIORI Service (on page 73) |

2.1. Install Add Ons

Add-On/Transports: Install the add-on or transports for the current release that is provided by Innovapptive representative.

Please follow the SAP standard process to install add ons. For more information, see https://help.sap.com/doc/saphelp_gbt10/1.0/en-US/18/e08d38dfc44765e10000009b38f842/content.htm?no_cache=true.

**Note:**

Ask your Innovapptive contact for the latest add-ons and support-packs and these components will be provided in a compressed file format, such as .zip, .rar, and sent to you either through email or through FTP.

2.2. Install RACE™ Add-ons in SAP® S/4HANA or Hub Systems (ECC & Gateway)

Table 2-2 RACE™ ECC Add-On and Support Packages (applicable for both S/4 HANA and Hub)

| Type | Add-On | Description | Dependency |
|--------|----------------------------|--|------------|
| Add-On | EZY0021310268_-0000004.PAT | INNOV:RACE™:2208 SP02 ECC Objects | None |
| SP01 | EZY0021310268_-0000006.PAT | Innov RACE 2208 SP02 HF01 ECC Objects | Dependency |
| SP21 | EZY0021310268_-0000053.PAT | Innov RACE 2208 SP02 HF03-HF25 ECC Objects | Dependency |
| SP31 | EZY0021310268_-0000078.PAT | Innov RACE 2208 SP02 HF26-HF35 ECC Objects | Dependency |
| SP42 | EZY0021310268_-0000104.PAT | Innov RACE 2208 SP02 HF36-HF46 ECC Objects | Dependency |
| SP43 | EZY0021310268_-0000118.PAT | Innov RACE 2208 SP02 HF47.1 ECC Objects | Dependency |
| SP44 | EZY0021310268_-0000119.PAT | Innov RACE 2208 SP02 HF48 ECC Objects | Dependency |

Table 2-2 RACE™ ECC Add-On and Support Packages (applicable for both S/4 HANA and Hub) (continued)

| Type | Add-On | Description | Dependency |
|-------------|--------------------------------|--|-------------------|
| SP45 | EZY0021310268_- 0000121.PAT | Innov RACE 2208 SP02 HF49 ECC Objects | Dependency |
| SP46 | EZY0021310268_- 0000126.PAT | Innov RACE 2208 SP02 HF50 ECC Objects | Dependency |
| SP47 | EZY0021310268_- 0000131.PAT | Innov RACE 2501.1 ECC Objects | Dependency |
| SP48 | EZY0021310268_- 0000140.PAT | Innov RACE 2502.1 ECC Objects | Dependency |
| SP49 | EZY0021310268_- 0000144.PAT | Innov RACE 2502.3 ECC Objects | Dependency |
| SP50 | EZY0021310268_- 0000151.PAT | Innov RACE 2503.3 ECC Objects | Dependency |
| SP51 | EZY0021310268_- 0000153.PAT | Innov RACE 2504.01 ECC Objects | Dependency |
| SP52 | EZY0021310268_- 0000156.PAT | RACE 2504.02 ECC Objects | Dependency |
| SP53 | EZY0021310268_- 0000162.PAT | RACE 2505.1 ECC Ob- jects | Dependency |
| SP54 | EZY0021310268_- 0000163.PAT | RACE 2505.2 ECC Ob- jects | Dependency |
| SP56 | EZY0021310268_- 0000183.PAT | RACE 2505.3 ECC Ob- jects | Dependency |
| SP57 | EZY0021310268_- 0000192.PAT | RACE 2507.1 ECC Ob- jects | Dependency |
| SP58 | EZY0021310268_- 0000195.PAT | RACE 2508.1 ECC Ob- jects | Dependency |
| SP59 | EZY0021310268_- 0000201.PAT | RACE 2509.1 ECC Ob- jects | Dependency |

Table 2-2 RACE™ ECC Add-On and Support Packages (applicable for both S/4 HANA and Hub) (continued)

| Type | Add-On | Description | Dependency |
|-------------|--------------------------------|--------------------------------|-------------------|
| SP60 | EZY0021310268_- 0000203.PAT | RACE 2509.01.01 ECC Objects | Dependency |
| SP61 | EZY0021310268_- 0000205.PAT | RACE 2509.02 ECC Objects | Dependency |
| SP62 | EZY0021310268_- 0000212.PAT | RACE 2510.01 ECC Ob- jects | Dependency |
| SP65 | EZY0021310268_- 0000218.PAT | RACE 2510.02 ECC Objects | Dependency |
| SP66 | EZY0021310268_- 0000222.PAT | RACE 2510.03 ECC Objects | Dependency |
| SP67 | EZY0021310268_- 0000228.PAT | RACE 2510.04 ECC Objects | Dependency |
| SP68 | EZY0021310268_- 0000230.PAT | RACE 2511.01 ECC Ob- jects | Dependency |
| SP69 | EZY0021310268_- 0000233.PAT | RACE 2511.02 ECC Ob- jects | Dependency |
| SP70 | EZY0021310268_- 0000237.PAT | RACE 2511.04 ECC Ob- jects | Dependency |
| SP72 | EZY0021310268_- 0000247.PAT | RACE 2512.01 ECC Ob- jects | Dependency |
| SP74 | EZY0021310268_- 0000252.PAT | RACE 2601.1 ECC Ob- jects | Dependency |
| SP75 | EZY0021310268_- 0000255.PAT | RACE 2601.2 ECC Ob- jects | Dependency |
| SP76 | EZY0021310268_- 0000257.PAT | RACE 2602.01 ECC Objects | Dependency |
| SP77 | EZY0021310268_- 0000272.PAT | RACE 2603.01 ECC Objects | Dependency |

Table 2-2 RACE™ ECC Add-On and Support Packages (applicable for both S/4 HANA and Hub) (continued)

| Type | Add-On | Description | Dependency |
|------|--------------------------------|-----------------------------|------------|
| SP78 | EZY0021310268_- 0000273.PAT | RACE 2603.02 ECC Objects | Dependency |

Table 2-3 RACE™ Gateway Add-On and Support Packages (applicable for both S/4 HANA and Hub)

| Type | Add-On | Description | Dependency |
|--------|--------------------------------|---|--|
| Add-On | NZY0021310268_- 0000006.PAT | INNOV:RACE™:2208 SP02 Gateway Ob- jects | None |
| SP01 | NZY0021310268_- 0000008.PAT | Innov RACE 2208 SP01 UI5 Application | Install RACE™ Add- On NZY0021310268_- 0000006.PAT before importing SP01 |
| SP39 | NZY0021310268_- 0000113.PAT | RACE 2208 SP02 GW Addon(HF03 - HF25) | Install RACE™ Add- On NZY0021310268_- 0000008.PAT before importing SP01 |
| SP58 | NZY0021310268_- 0000148.PAT | RACE 2208 SP02 GW Addon (HF26 - HF35.1) | Dependency |
| SP59 | NZY0021310268_- 0000149.PAT | RACE 2208 SP02 UI5 (HF26 - HF35) | Dependency |
| SP60 | NZY0021310268_- 0000150.PAT | RACE 2208 SP02 Fiori (HF26 - HF35) | Dependency |
| SP61 | NZY0021310268_- 0000152.PAT | RACE 2208 SP02 HF36 GW Objects | Dependency |
| SP62 | NZY0021310268_- 0000154.PAT | RACE 2208 SP02 UI5 (HF03 - HF35) | Dependency |
| SP63 | NZY0021310268_- 0000155.PAT | RACE 2208 SP02 Fiori (HF00 - HF35) | Dependency |

Table 2-3 RACE™ Gateway Add-On and Support Packages (applicable for both S/4 HANA and Hub) (continued)

| Type | Add-On | Description | Dependency |
|-------------|--------------------------------|--|-------------------|
| SP74 | NZY0021310268_- 0000179.PAT | RACE 2208 SP02 GW Addon (HF36 - HF46) | Dependency |
| SP75 | NZY0021310268_- 0000182.PAT | RACE 2208 SP02 Fiori (HF36 - HF46) | Dependency |
| SP76 | NZY0021310268_- 0000183.PAT | RACE 2208 SP02 HF47 GW Objects | Dependency |
| SP77 | NZY0021310268_- 0000184.PAT | RACE 2208 SP02 HF48 GW Objects | Dependency |
| SP78 | NZY0021310268_- 0000186.PAT | RACE 2208 SP02 HF49 GW Objects | Dependency |
| SP79 | NZY0021310268_- 0000191.PAT | RACE 2208 SP02 HF50 GW Objects | Dependency |
| SP80 | NZY0021310268_- 0000194.PAT | RACE 2208 SP02 2501.1 GW Objects | Dependency |
| SP81 | NZY0021310268_- 0000195.PAT | RACE 2208 SP02 2501.1 Fiori Objects | Dependency |
| SP82 | NZY0021310268_- 0000197.PAT | RACE 2208 SP02 2501.2 Fiori Objects | Dependency |
| SP83 | NZY0021310268_- 0000200.PAT | RACE 2208 SP02 2501.3 GW Objects | Dependency |
| SP84 | NZY0021310268_- 0000202.PAT | RACE 2208 SP02 2501.4 GW Objects | Dependency |
| SP85 | NZY0021310268_- 0000215.PAT | RACE 2208 SP02 2503.3 GW Objects | Dependency |
| SP86 | NZY0021310268_- 0000218.PAT | RACE 2208 SP02 2504.01 GW Objects | Dependency |
| SP87 | NZY0021310268_- 0000226.PAT | RACE 2208 SP02 2505.01 GW Objects | Dependency |

Table 2-3 RACE™ Gateway Add-On and Support Packages (applicable for both S/4 HANA and Hub) (continued)

| Type | Add-On | Description | Dependency |
|-------------|--------------------------------|---|-------------------|
| SP90 | NZY0021310268_- 0000249.PAT | RACE 2208 SP02 2505.03 GW Objects | Dependency |
| SP91 | NZY0021310268_- 0000240.PAT | RACE 2208 SP02 2506.01 GW Objects | Dependency |
| SP92 | NZY0021310268_- 0000254.PAT | RACE 2208 SP02 2508.01 GW Objects | Dependency |
| SP93 | NZY0021310268_- 0000256.PAT | RACE 2208 SP02 2508.02 GW Objects | Dependency |
| SP94 | NZY0021310268_- 0000259.PAT | RACE 2208 SP02 2508.02 Fiori Objects | Dependency |
| SP95 | NZY0021310268_- 0000264.PAT | RACE 2509.02 GW Objects | Dependency |
| SP96 | NZY0021310268_- 0000269.PAT | RACE 2509.03 GW Objects | Dependency |
| SP97 | C230021310268_- 0000025.PAT | RACE 2509.03 GW Objects(HANA) | Dependency |
| SP98 | NZY0021310268_- 0000281.PAT | RACE 2510.01 GW Ob- jects | Dependency |
| SP99 | NZY0021310268_- 0000284.PAT | RACE 2511.01 GW Ob- jects | Dependency |
| SP100 | NZY0021310268_- 0000287.PAT | RACE 2511.03 GW Ob- jects | Dependency |
| SP101 | NZY0021310268_- 0000291.PAT | RACE 2512.01 GW Ob- jects | Dependency |
| SP103 | NZY0021310268_- 0000300.PAT | RACE 2601.02 GW Ob- jects | Dependency |
| SP104 | C230021310268_- 0000040.PAT | RACE 2601.02 GW Ob- jects (HANA) | Dependency |

Table 2-3 RACE™ Gateway Add-On and Support Packages (applicable for both S/4 HANA and Hub) (continued)

| Type | Add-On | Description | Dependency |
|-------|--------------------------------|------------------------------|------------|
| SP105 | NZY0021310268_- 0000302.PAT | RACE 2602.01 GW Ob- jects | Dependency |

2.3. Install mWorkOrder Add Ons in SAP® S/4HANA or Hub Systems (ECC & Gateway)

Table 2-4 MWO ECC Add-On and Support Packages (applicable only for Hub (ECC System))

| Type | Add-On | Description | Dependency |
|--------|--------------------------------|---|--|
| Add-On | EZY0021310268_- 0000005.PAT | INNOV: MWO:2208 SP02 ECC Objects | Install RACE™ Add-On (EZY0021310268_- 0000004.PAT) be- fore installing the mWO Add-On (EZY0021310268_- 0000005.PAT) |
| SP01 | EZY0021310268_- 0000007.PAT | INNOV: MWO:2208 SP02 HF01 ECC Ob- jects | Install MWO Add-On (EZY0021310268_- 0000005.PAT) before installing SP01 |
| SP22 | EZY0021310268_- 0000054.PAT | INNOV: MWO:2208 SP02 HF03- HF25 ECC Objects | Install MWO Add-On (EZY0021310268_- 0000007.PAT) before installing SP22 |
| SP31 | EZY0021310268_- 0000076.PAT | INNOV: MWO:2208 SP02 HF26- HF35 ECC Objects | Install MWO Add-On (EZY0021310268_- 0000054.PAT) before installing SP31 |

**Table 2-4 MWO ECC Add-On and Support Packages (applicable only for Hub (ECC System))
(continued)**

| Type | Add-On | Description | Dependency |
|-------------|--------------------------------|---|--|
| SP43 | EZY0021310268_- 0000105.PAT | INNOV: MWO:2208 SP02 HF36- HF46 ECC Objects | Install MWO Add-On (EZY0021310268_- 0000076.PAT) before installing SP43 |
| SP56 | EZY0021310268_- 0000171.PAT | INNOV: MWO:2208 SP02 HF47- 2505.1 ECC Objects | Install MWO Add-On (EZY0021310268_- 0000105.PAT) before installing SP56 |
| SP57 | EZY0021310268_- 0000189.PAT | INNOV: MWO: 2505.3 ECC Objects | Install MWO Add-On (EZY0021310268_- 0000171.PAT) before installing SP57 |
| SP58 | EZY0021310268_- 0000175.PAT | INNOV: MWO: 2506.1 ECC Objects | Install MWO Add-On (EZY0021310268_- 0000189.PAT) before installing SP58 |
| SP59 | EZY0021310268_- 0000178.PAT | INNOV: MWO: 2506.2 ECC Objects | Install MWO Add-On (EZY0021310268_- 0000175.PAT) before installing SP59 |
| SP60 | EZY0021310268_- 0000196.PAT | INNOV: MWO: 2508.1 ECC Objects | Install MWO Add-On (EZY0021310268_- 0000178.PAT) before installing SP60 |
| SP61 | EZY0021310268_- 0000200.PAT | INNOV: MWO: 2508.2 ECC Objects | Install MWO Add-On (EZY0021310268_- 0000196.PAT) before installing SP61 |

**Table 2-4 MWO ECC Add-On and Support Packages (applicable only for Hub (ECC System))
(continued)**

| Type | Add-On | Description | Dependency |
|-------------|--------------------------------|-----------------------------------|--|
| SP62 | EZY0021310268_- 0000202.PAT | INNOV: MWO: 2509.1 ECC Objects | Install MWO Add-On (EZY0021310268_- 0000200.PAT) before installing SP62 |
| SP63 | EZY0021310268_- 0000207.PAT | MWO 2509.02 ECC Objects | Install MWO Add-On (EZY0021310268_- 0000202.PAT) before installing SP63 |
| SP64 | EZY0021310268_- 0000210.PAT | MWO 2509.03 ECC Objects | Install MWO Add-On (EZY0021310268_- 0000207.PAT) before installing SP64 |
| SP65 | EZY0021310268_- 0000213.PAT | MWO 2510.01 ECC Ob- jects | Install MWO Add-On (EZY0021310268_- 0000210.PAT) before installing SP65 |
| SP67 | EZY0021310268_- 0000225.PAT | MWO 2510.02 ECC Objects | Install MWO Add-On (EZY0021310268_- 0000213.PAT) before installing SP67 |
| SP68 | EZY0021310268_- 0000223.PAT | MWO 2510.03 ECC Objects | Install MWO Add-On (EZY0021310268_- 0000225.PAT) before installing SP68 |
| SP69 | EZY0021310268_- 0000229.PAT | MWO 2510.04 ECC Objects | Install MWO Add-On (EZY0021310268_- 0000223.PAT) before installing SP69 |

**Table 2-4 MWO ECC Add-On and Support Packages (applicable only for Hub (ECC System))
(continued)**

| Type | Add-On | Description | Dependency |
|-------------|--------------------------------|------------------------------|--|
| SP70 | EZY0021310268_- 0000235.PAT | MWO 2511.01.1 ECC Objects | Install MWO Add-On (EZY0021310268_- 0000229.PAT) before installing SP70 |
| SP71 | EZY0021310268_- 0000239PAT | MWO 2511.03 ECC Ob- jects | Install MWO Add-On (EZY0021310268_- 0000235.PAT) before installing SP71 |
| SP72 | EZY0021310268_- 0000244.PAT | MWO 2512.01 ECC Ob- jects | Install MWO Add-On (EZY0021310268_- 0000239.PAT) before installing SP72 |
| SP74 | EZY0021310268_- 0000253.PAT | MWO 2601.01 ECC Ob- jects | Install MWO Add-On (EZY0021310268_- 0000244.PAT) before installing SP74 |
| SP75 | EZY0021310268_- 0000256.PAT | MWO 2601.02 ECC Objects | Install MWO Add-On (EZY0021310268_- 0000253.PAT) before installing SP75 |
| SP76 | EZY0021310268_- 0000259.PAT | MWO 2602.02 ECC Objects | Install MWO Add-On (EZY0021310268_- 0000256.PAT) before installing SP76 |
| SP77 | EZY0021310268_- 0000264.PAT | MWO 2602.03 ECC Objects | Install MWO Add-On (EZY0021310268_- 0000259.PAT) before installing SP77 |

Table 2-4 MWO ECC Add-On and Support Packages (applicable only for Hub (ECC System)) (continued)

| Type | Add-On | Description | Dependency |
|-------------|--------------------------------|-------------------------------------|--|
| SP78 | EZY0021310268_- 0000267.PAT | MWO 2602.03 ECC Objects (TAFISA) | Install MWO Add-On (EZY0021310268_- 0000264.PAT) before installing SP78 |
| SP79 | EZY0021310268_- 0000274.PAT | MWO 2603.01 ECC Objects | Install MWO Add-On (EZY0021310268_- 0000267.PAT) before installing SP79 |
| SP80 | EZY0021310268_- 0000278.PAT | MWO 2604.01 ECC Objects | Install MWO Add-On (EZY0021310268_- 0000274.PAT) before installing SP80 |

Table 2-5 MWO Gateway Add-On and Support Packages (applicable only for Hub (Gateway System))

| Type | Add-On | Description | Dependency |
|---------------------|--------------------------------|---|--|
| Add-On | NZY0021310268_- 0000007.PAT | INNOV MWO 2208 SP02 Gateway Ob- jects | Install RACE™ Add- On (NZY0021310268_- 0000006.PAT) be- fore installing the mWO Add-On (NZY0021310268_- 0000007.PAT) |
| Support Pack - SP01 | NZY0021310268_- 0000009.PAT | INNOV MWO 2208 SP01 UI5 Application | Install mWO Add-on (NZY0021310268_- 0000007.PAT) before importing the support pack SP01 |

Table 2-5 MWO Gateway Add-On and Support Packages (applicable only for Hub (Gateway System)) (continued)

| Type | Add-On | Description | Dependency |
|---------------------|--------------------------------|---|---|
| Support Pack - SP02 | NZY0021310268_- 0000055.PAT | INNOV MWO 2208 SP02 FIORI Application | Install mWO Add-on (NZY0021310268_- 0000052.PAT) before importing the support pack SP02 |
| Support Pack - SP40 | NZY0021310268_- 0000114.PAT | INNOV MWO 2208 SP02 HF01 - HF25 Gateway Objects | Install mWO Add-on (NZY0021310268_- 0000009.PAT) before importing the support pack SP01 |
| Support Pack - SP41 | NZY0021310268_- 0000115.PAT | INNOV MWO 2208 SP02 HF01 - HF25 UI5 Application | Install mWO Add-on (NZY0021310268_- 0000114.PAT) before importing the support pack SP40 |
| Support Pack - SP42 | NZY0021310268_- 0000116.PAT | INNOV MWO 2208 SP02 HF01 - HF25 Fiori Application | Install mWO Add-on (NZY0021310268_- 0000114.PAT) before importing the support pack SP42 |
| Support Pack - SP52 | NZY0021310268_- 0000151.PAT | INNOV MWO 2208 SP02 HF26 - HF35 | Install mWO Add-on (NZY0021310268_- 0000114.PAT) before importing the support pack SP52 |
| Support Pack - SP74 | NZY0021310268_- 0000238.PAT | INNOV MWO 2208 SP02 HF36 - 2505.1 | Install mWO Add-on (NZY0021310268_- 0000151.PAT) before importing the support pack SP74 |

Table 2-5 MWO Gateway Add-On and Support Packages (applicable only for Hub (Gateway System)) (continued)

| Type | Add-On | Description | Dependency |
|---------------------|--------------------------------|--------------------------------------|--|
| Support Pack – SP75 | NZY0021310268_- 0000239.PAT | INNOV MWO 2505.03 Gateway Objects | Install mWO Add-on (NZY0021310268_-0000238.PAT) before importing the support pack SP75 |
| Support Pack – SP76 | NZY0021310268_- 0000242.PAT | INNOV MWO 2506.1 Gateway Objects | Install mWO Add-on (NZY0021310268_-0000239.PAT) before importing the support pack SP76 |
| Support Pack – SP77 | NZY0021310268_- 0000244.PAT | INNOV MWO 2506.2 Gateway Objects | Install mWO Add-on (NZY0021310268_-0000242.PAT) before importing the support pack SP77 |
| Support Pack – SP78 | NZY0021310268_- 0000255.PAT | INNOV MWO 2508.1 Gateway Objects | Install mWO Add-on (NZY0021310268_-0000244.PAT) before importing the support pack SP78 |
| Support Pack – SP79 | NZY0021310268_- 0000258.PAT | INNOV MWO 2508.2 Gateway Objects | Install mWO Add-on (NZY0021310268_-0000255.PAT) before importing the support pack SP79 |
| Support Pack – SP80 | NZY0021310268_- 0000260.PAT | INNOV MWO 2509.1 Gateway Objects | Install mWO Add-on (NZY0021310268_-0000258.PAT) before importing the support pack SP80 |

Table 2-5 MWO Gateway Add-On and Support Packages (applicable only for Hub (Gateway System)) (continued)

| Type | Add-On | Description | Dependency |
|---------------------|--------------------------------|--|---|
| Support Pack – SP81 | NZY0021310268_- 0000261.PAT | INNOV MWO 2509.01.01 Gateway Objects | Install mWO Add-on (NZY0021310268_- 0000260.PAT) before importing the support pack SP76 |
| SP82 | NZY0021310268_- 0000263.PAT | MWO 2208 SP02 2509.02 GW | Install mWO Add-on (NZY0021310268_- 0000261.PAT) before importing the support pack SP82 |
| SP83 | NZY0021310268_- 0000270.PAT | MWO 2208 SP02 2509.03 GW | Install mWO Add-on (NZY0021310268_- 0000263.PAT) before importing the support pack SP73 |
| SP84 | NZY0021310268_- 0000272.PAT | MWO 2208 SP02 2510.01 GW | Install mWO Add-on (NZY0021310268_- 0000270.PAT) before importing the support pack SP84 |
| SP85 | NZY0021310268_- 0000274.PAT | MWO 2208 SP02 2510.01.1 GW | Install mWO Add-on (NZY0021310268_- 0000225.PAT) before importing the support pack SP85 |
| SP87 | NZY0021310268_- 0000276.PAT | MWO 2208 SP02 2510.02 GW | Install mWO Add-on (NZY0021310268_- 0000274.PAT) before importing the support pack SP87 |

Table 2-5 MWO Gateway Add-On and Support Packages (applicable only for Hub (Gateway System)) (continued)

| Type | Add-On | Description | Dependency |
|-------------|--------------------------------|-----------------------------|--|
| SP88 | NZY0021310268_- 0000279.PAT | MWO 2208 SP02 2510.03 GW | Install mWO Add-on (NZY0021310268_-0000276.PAT) before importing the support pack SP88 |
| SP89 | NZY0021310268_- 0000283.PAT | MWO 2208 SP02 2510.04 GW | Install mWO Add-on (NZY0021310268_-0000279.PAT) before importing the support pack SP89 |
| SP90 | NZY0021310268_- 0000290.PAT | MWO 2208 SP02 2511.02 GW | Install mWO Add-on (NZY0021310268_-0000283.PAT) before importing the support pack SP90 |
| SP91 | NZY0021310268_- 0000297.PAT | MWO 2208 SP02 2601.01 GW | Install mWO Add-on (NZY0021310268_-0000290.PAT) before importing the support pack SP91 |
| SP92 | NZY0021310268_- 0000301.PAT | MWO 2208 SP02 2601.02 GW | Install mWO Add-on (NZY0021310268_-0000297.PAT) before importing the support pack SP92 |
| SP93 | NZY0021310268_- 0000304.PAT | MWO 2208 SP02 2602.02 GW | Install mWO Add-on (NZY0021310268_-0000301.PAT) before importing the support pack SP93 |

Table 2-5 MWO Gateway Add-On and Support Packages (applicable only for Hub (Gateway System)) (continued)

| Type | Add-On | Description | Dependency |
|-------------|--------------------------------|-----------------------------|---|
| SP94 | NZY0021310268_- 0000310.PAT | MWO 2208 SP02 2602.03 GW | Install mWO Add-on (NZY0021310268_-0000304.PAT) before importing the support pack SP94 |
| SP95 | NZY0021310268_- 0000313.PAT | MWO 2208 SP02 2603.01 GW | Install mWO Add-on (NZY0021310268_-0000310.PAT) before importing the support pack SP95 |
| SP96 | NZY0021310268_- 0000314.PAT | MWO 2208 SP02 2603.02 GW | Install mWO Add-on (NZY0021310268_-00003013.PAT) before importing the support pack SP96 |
| SP97 | NZY0021310268_- 0000316.PAT | MWO 2208 SP02 2604.01 GW | Install mWO Add-on (NZY0021310268_-0000314.PAT) before importing the support pack SP97 |

Table 2-6 MWO Embedded (S/4 HANA) Add-On and Support Packages

| Type | Add-On | Description | Dependency |
|-------------|--------------------------------|----------------------------------|---|
| Add-On | MZY0021310268_- 0000003.PAT | INNOV MWO 2208 SP02 EMB Addon | Install RACE™ Add-On (EZY0021310268_-0000004.PAT) before installing RACE™ Add-On (NZY0021310268_- |

Table 2-6 MWO Embedded (S/4 HANA) Add-On and Support Packages (continued)

| Type | Add-On | Description | Dependency |
|---------------------|--------------------------------|---|---|
| | | | 0000006.PAT) before installing MZY0021310268_- 0000003.PAT |
| Support Pack - SP01 | MZY0021310268_- 0000004.PAT | INNOV MWO 2208 SP01 UI5 Application | Install mWO Add-on (MZY0021310268_- 0000003.PAT) before importing the support pack SP01 |
| Support Pack - SP40 | MZY0021310268_- 0000057.PAT | INNOV MWO 2208 SP02 HF01 – HF25 Gateway Objects | Install mWO Add-on (MZY0021310268_- 0000004.PAT) before importing the support pack SP40 |
| Support Pack – SP41 | MZY0021310268_- 0000058.PAT | INNOV MWO 2208 SP01 HF01 – Hf25 UI5 Application | Install mWO Add-on (MZY0021310268_- 0000057.PAT) before importing the support pack SP41 |
| Support Pack – SP42 | MZY0021310268_- 0000059.PAT | INNOV MWO 2208 SP01 HF01 – HF25 Fiori Application | Install mWO Add-on (MZY0021310268_- 0000057.PAT) before importing the support pack SP42 |
| Support Pack – SP52 | MZY0021310268_- 0000093.PAT | INNOV MWO 2208 SP02 HF26 – HF35 Gateway Objects | Install mWO Add-on (MZY0021310268_- 0000057.PAT) before importing the support pack SP52 |

Table 2-6 MWO Embedded (S/4 HANA) Add-On and Support Packages (continued)

| Type | Add-On | Description | Dependency |
|---------------------|--------------------------------|---|---|
| Support Pack – SP77 | MZY0021310268_- 0000192.PAT | INNOV MWO 2208 SP02 HF36 – 2505.1 Gateway Objects | Install mWO Add-on (MZY0021310268_- 0000093.PAT) before importing the support pack SP77 |
| Support Pack – SP78 | MZY0021310268_- 0000205.PAT | INNOV MWO 2505.3 Gateway Objects | Install mWO Add-on (MZY0021310268_- 0000192.PAT) before importing the support pack SP78 |
| Support Pack – SP79 | MZY0021310268_- 0000195.PAT | INNOV MWO 2506.1 Gateway Objects | Install mWO Add-on (MZY0021310268_- 0000205.PAT) before importing the support pack SP79 |
| Support Pack – SP80 | MZY0021310268_- 0000199.PAT | INNOV MWO 2506.2 Gateway Objects | Install mWO Add-on (MZY0021310268_- 0000195.PAT) before importing the support pack SP80 |
| Support Pack – SP81 | MZY0021310268_- 0000215.PAT | INNOV MWO 2508.1 Gateway Objects | Install mWO Add-on (MZY0021310268_- 0000199.PAT) before importing the support pack SP81 |
| Support Pack – SP82 | MZY0021310268_- 0000223.PAT | INNOV MWO 2508.2 Gateway Objects | Install mWO Add-on (MZY0021310268_- 0000215.PAT) before importing the support pack SP82 |

Table 2-6 MWO Embedded (S/4 HANA) Add-On and Support Packages (continued)

| Type | Add-On | Description | Dependency |
|---------------------|--------------------------------|--|---|
| Support Pack – SP83 | MZY0021310268_- 0000224.PAT | INNOV MWO 2509.1 Gateway Objects | Install mWO Add-on (MZY0021310268_- 0000223.PAT) before importing the support pack SP83 |
| Support Pack – SP84 | MZY0021310268_- 0000225.PAT | INNOV MWO 2509.01.01 Gateway Objects | Install mWO Add-on (MZY0021310268_- 0000224.PAT) before importing the support pack SP84 |
| SP85 | MZY0021310268_- 0000228.PAT | MWO 2208 SP02 2509.02 | Install mWO Add-on (MZY0021310268_- 0000225.PAT) before importing the support pack SP85 |
| SP86 | MZY0021310268_- 0000233.PAT | MWO 2208 SP02 2509.03 | Install mWO Add-on (MZY0021310268_- 0000228.PAT) before importing the support pack SP86 |
| SP87 | MZY0021310268_- 0000235.PAT | MWO 2208 SP02 2510.01 | Install mWO Add-on (MZY0021310268_- 0000233.PAT) before importing the support pack SP87 |
| SP88 | MZY0021310268_- 0000237.PAT | MWO 2208 SP02 2510.01.1 | Install mWO Add-on (MZY0021310268_- 0000235.PAT) before importing the support pack SP88 |

Table 2-6 MWO Embedded (S/4 HANA) Add-On and Support Packages (continued)

| Type | Add-On | Description | Dependency |
|-------------|--------------------------------|--------------------------|--|
| SP90 | MZY0021310268_- 0000239.PAT | MWO 2208 SP02 2510.02 | Install mWO Add-on (MZY0021310268_-0000237.PAT) before importing the support pack SP90 |
| SP91 | MZY0021310268_- 0000244.PAT | MWO 2208 SP02 2510.03 | Install mWO Add-on (MZY0021310268_-0000239.PAT) before importing the support pack SP91 |
| SP92 | MZY0021310268_- 0000247.PAT | MWO 2208 SP02 2510.04 | Install mWO Add-on (MZY0021310268_-0000244.PAT) before importing the support pack SP92 |
| SP93 | MZY0021310268_- 0000251.PAT | MWO 2208 SP02 2511.01 | Install mWO Add-on (MZY0021310268_-0000247.PAT) before importing the support pack SP93 |
| SP94 | MZY0021310268_- 0000257.PAT | MWO 2208 SP02 2511.03 | Install mWO Add-on (MZY0021310268_-0000251.PAT) before importing the support pack SP93 |
| SP95 | MZY0021310268_- 0000259.PAT | MWO 2208 SP02 2512.01 | Install mWO Add-on (MZY0021310268_-0000257.PAT) before importing the support pack SP94 |

Table 2-6 MWO Embedded (S/4 HANA) Add-On and Support Packages (continued)

| Type | Add-On | Description | Dependency |
|-------------|--------------------------------|----------------------------------|---|
| SP96 | MZY0021310268_- 0000273.PAT | MWO 2208 SP02 2601.01 | Install mWO Add-on (MZY0021310268_-0000259.PAT) before importing the support pack SP96 |
| SP97 | MZY0021310268_- 0000276.PAT | MWO 2208 SP02 2601.02 | Install mWO Add-on (MZY0021310268_-0000273.PAT) before importing the support pack SP97 |
| SP98 | MZY0021310268_- 0000279.PAT | MWO 2208 SP02 2602.02 | Install mWO Add-on (MZY0021310268_-0000276.PAT) before importing the support pack SP98 |
| SP99 | MZY0021310268_- 0000287.PAT | MWO 2208 SP02 2602.03 | Install mWO Add-on (MZY0021310268_-0000279.PAT) before importing the support pack SP99 |
| SP100 | MZY0021310268_- 0000290.PAT | MWO 2208 SP02 2602.03(TAFISA) | Install mWO Add-on (MZY0021310268_-0000287.PAT) before importing the support pack SP100 |
| SP101 | MZY0021310268_- 0000293.PAT | MWO 2208 SP02 2603.01 | Install mWO Add-on (MZY0021310268_-0000290.PAT) before importing the support pack SP101 |

Table 2-6 MWO Embedded (S/4 HANA) Add-On and Support Packages (continued)

| Type | Add-On | Description | Dependency |
|-------|--------------------------------|--------------------------|--|
| SP102 | MZY0021310268_- 0000294.PAT | MWO 2208 SP02 2603.02 | Install mWO Add-on (MZY0021310268_- 0000293.PAT) before importing the support pack SP102 |

2.3.1. Verify SAP® ECC RACE™ and MWO Add-On

To verify the SAP® ECC RACE™ and MWO add-on:

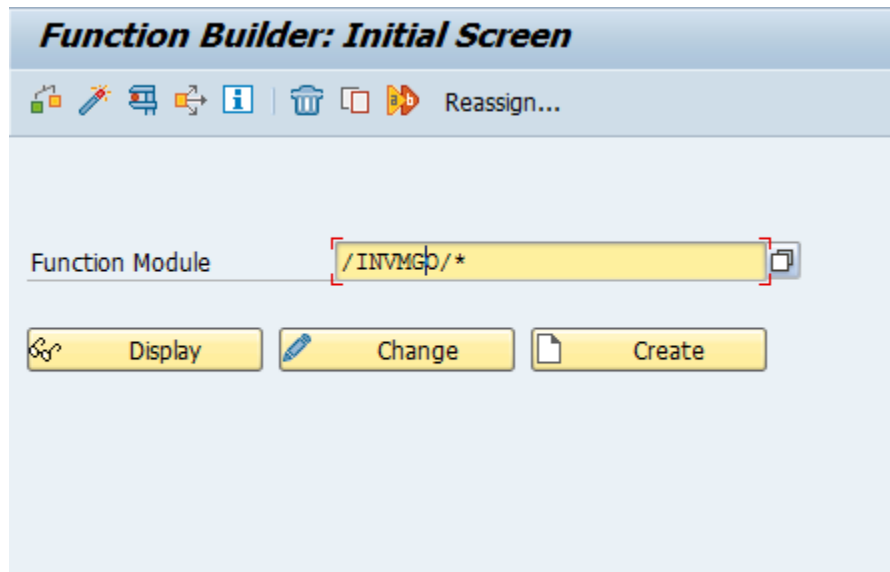
1. Run the transaction code **SE37**.
2. Enter the program name as **/INVMGO/*** in the **Function Module** field.



Note:

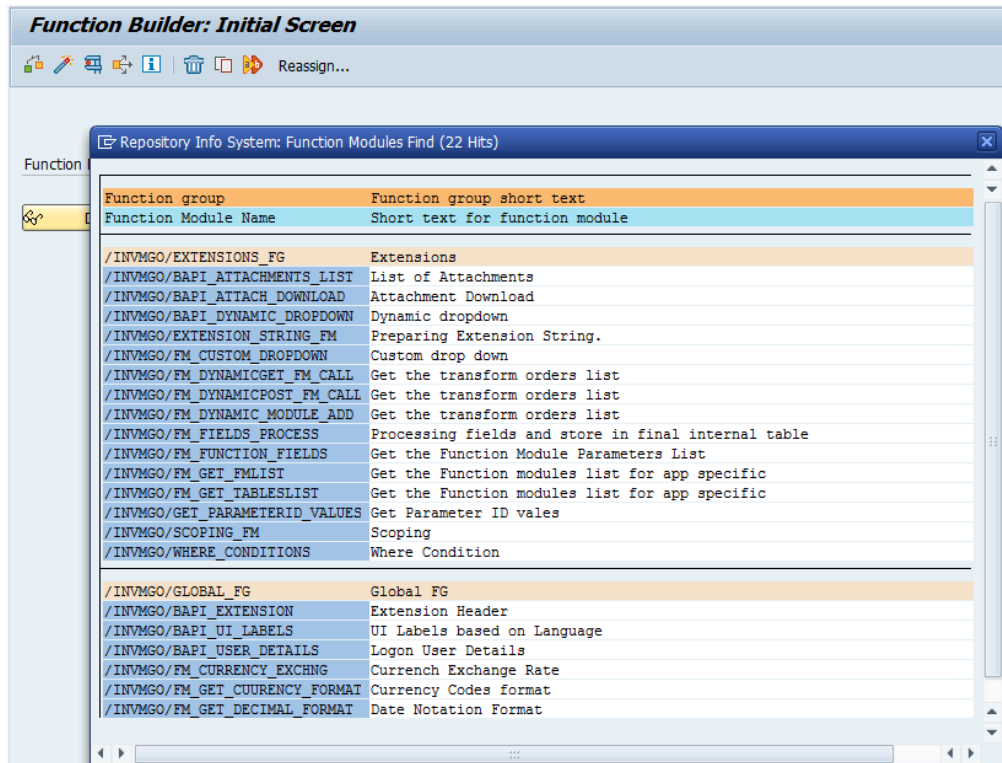
Use the program name as **/INVMWO/*** for MWO.

Figure 2-1 Function Builder Initial Screen



3. Press **<F4>** to view the list of classes and capture the screenshot(s) to share the results.

Figure 2-2 Function Module Classes



2.3.2. Verify SAP® GW RACE™ and MWO Add-On

To verify the SAP® GW RACE™ and MWO Add-On:

1. Navigate to the transaction code **SE24**.
2. Enter **object type** to search for all objects **/INVCEC/***.



Note:

Use the object type as **/INVMWO/*** for MWO.

3. Press **<F4>** to view the list of classes and capture the screenshot(s) to share the results.

Figure 2-3 Object Classes

| Object Type Name | Short Description |
|---------------------------------|---|
| /INVCEC/CL_GW_DP_TRANSPORT | Gateway Data Provider: Interoperability 700 |
| /INVCEC/CL_GW_MP_TRANSPORT | Gateway Model Provider: Interoperability |
| /INVCEC/CL_RACE_DPC | Data Provider Base Class |
| /INVCEC/CL_RACE_DPC_EXT | Data Provider Secondary Class |
| /INVCEC/CL_RACE_MPC | /INVCEC/CL_RACE_MPC |
| /INVCEC/CL_RACE_MPC_EXT | /INVCEC/CL_RACE_MPC_EXT |
| /INVCEC/IF_BAPI_ATTACH_DOWNLOAD | /INVCEC/IF_BAPI_ATTACH_DOWNLOAD |
| /INVCEC/IF_BAPI_ATTACHMENTS_LI | /INVCEC/IF_BAPI_ATTACHMENTS_LI |
| /INVCEC/IF_FM_CUSTOM_DROPDOWN | /INVCEC/IF_FM_CUSTOM_DROPDOWN |
| /INVCEC/IF_ZDYNSCREENCONF | /INVCEC/IF_ZDYNSCREENCONF |

2.4. Install mWorkOrder Add Ons in SAP® S/4HANA or Hub Systems (ECC & Gateway)

Table 2-7 MWO ECC Add-On and Support Packages (applicable only for Hub (ECC System))

| Type | Add-On | Description | Dependency |
|--------|--------------------------------|--|---|
| Add-On | EZY0021310268_- 0000005.PAT | INNOV: MWO:2208 SP02 ECC Objects | Install RACE™ Add-On (EZY0021310268_-0000004.PAT) before installing the mWO Add-On (EZY0021310268_-0000005.PAT) |
| SP01 | EZY0021310268_- 0000007.PAT | INNOV: MWO:2208 SP02 HF01 ECC Objects | Install MWO Add-On (EZY0021310268_-0000005.PAT) before installing SP01 |

**Table 2-7 MWO ECC Add-On and Support Packages (applicable only for Hub (ECC System))
(continued)**

| Type | Add-On | Description | Dependency |
|-------------|--------------------------------|---|--|
| SP22 | EZY0021310268_- 0000054.PAT | INNOV: MWO:2208 SP02 HF03- HF25 ECC Objects | Install MWO Add-On (EZY0021310268_- 0000007.PAT) before installing SP22 |
| SP31 | EZY0021310268_- 0000076.PAT | INNOV: MWO:2208 SP02 HF26- HF35 ECC Objects | Install MWO Add-On (EZY0021310268_- 0000054.PAT) before installing SP31 |
| SP43 | EZY0021310268_- 0000105.PAT | INNOV: MWO:2208 SP02 HF36- HF46 ECC Objects | Install MWO Add-On (EZY0021310268_- 0000076.PAT) before installing SP43 |
| SP56 | EZY0021310268_- 0000171.PAT | INNOV: MWO:2208 SP02 HF47- 2505.1 ECC Objects | Install MWO Add-On (EZY0021310268_- 0000105.PAT) before installing SP56 |
| SP57 | EZY0021310268_- 0000189.PAT | INNOV: MWO: 2505.3 ECC Objects | Install MWO Add-On (EZY0021310268_- 0000171.PAT) before installing SP57 |
| SP58 | EZY0021310268_- 0000175.PAT | INNOV: MWO: 2506.1 ECC Objects | Install MWO Add-On (EZY0021310268_- 0000189.PAT) before installing SP58 |
| SP59 | EZY0021310268_- 0000178.PAT | INNOV: MWO: 2506.2 ECC Objects | Install MWO Add-On (EZY0021310268_- 0000175.PAT) before installing SP59 |

**Table 2-7 MWO ECC Add-On and Support Packages (applicable only for Hub (ECC System))
(continued)**

| Type | Add-On | Description | Dependency |
|-------------|--------------------------------|-----------------------------------|--|
| SP60 | EZY0021310268_- 0000196.PAT | INNOV: MWO: 2508.1 ECC Objects | Install MWO Add-On (EZY0021310268_- 0000178.PAT) before installing SP60 |
| SP61 | EZY0021310268_- 0000200.PAT | INNOV: MWO: 2508.2 ECC Objects | Install MWO Add-On (EZY0021310268_- 0000196.PAT) before installing SP61 |
| SP62 | EZY0021310268_- 0000202.PAT | INNOV: MWO: 2509.1 ECC Objects | Install MWO Add-On (EZY0021310268_- 0000200.PAT) before installing SP62 |
| SP63 | EZY0021310268_- 0000207.PAT | MWO 2509.02 ECC Objects | Install MWO Add-On (EZY0021310268_- 0000202.PAT) before installing SP63 |
| SP64 | EZY0021310268_- 0000210.PAT | MWO 2509.03 ECC Objects | Install MWO Add-On (EZY0021310268_- 0000207.PAT) before installing SP64 |
| SP65 | EZY0021310268_- 0000213.PAT | MWO 2510.01 ECC Ob- jects | Install MWO Add-On (EZY0021310268_- 0000210.PAT) before installing SP65 |
| SP67 | EZY0021310268_- 0000225.PAT | MWO 2510.02 ECC Objects | Install MWO Add-On (EZY0021310268_- 0000213.PAT) before installing SP67 |

**Table 2-7 MWO ECC Add-On and Support Packages (applicable only for Hub (ECC System))
(continued)**

| Type | Add-On | Description | Dependency |
|-------------|--------------------------------|------------------------------|--|
| SP68 | EZY0021310268_- 0000223.PAT | MWO 2510.03 ECC Objects | Install MWO Add-On (EZY0021310268_- 0000225.PAT) before installing SP68 |
| SP69 | EZY0021310268_- 0000229.PAT | MWO 2510.04 ECC Objects | Install MWO Add-On (EZY0021310268_- 0000223.PAT) before installing SP69 |
| SP70 | EZY0021310268_- 0000235.PAT | MWO 2511.01.1 ECC Objects | Install MWO Add-On (EZY0021310268_- 0000229.PAT) before installing SP70 |
| SP71 | EZY0021310268_- 0000239PAT | MWO 2511.03 ECC Ob- jects | Install MWO Add-On (EZY0021310268_- 0000235.PAT) before installing SP71 |
| SP72 | EZY0021310268_- 0000244.PAT | MWO 2512.01 ECC Ob- jects | Install MWO Add-On (EZY0021310268_- 0000239.PAT) before installing SP72 |
| SP74 | EZY0021310268_- 0000253.PAT | MWO 2601.01 ECC Ob- jects | Install MWO Add-On (EZY0021310268_- 0000244.PAT) before installing SP74 |
| SP75 | EZY0021310268_- 0000256.PAT | MWO 2601.02 ECC Objects | Install MWO Add-On (EZY0021310268_- 0000253.PAT) before installing SP75 |

Table 2-7 MWO ECC Add-On and Support Packages (applicable only for Hub (ECC System)) (continued)

| Type | Add-On | Description | Dependency |
|-------------|--------------------------------|-------------------------------------|--|
| SP76 | EZY0021310268_- 0000259.PAT | MWO 2602.02 ECC Objects | Install MWO Add-On (EZY0021310268_- 0000256.PAT) before installing SP76 |
| SP77 | EZY0021310268_- 0000264.PAT | MWO 2602.03 ECC Objects | Install MWO Add-On (EZY0021310268_- 0000259.PAT) before installing SP77 |
| SP78 | EZY0021310268_- 0000267.PAT | MWO 2602.03 ECC Objects (TAFISA) | Install MWO Add-On (EZY0021310268_- 0000264.PAT) before installing SP78 |
| SP79 | EZY0021310268_- 0000274.PAT | MWO 2603.01 ECC Objects | Install MWO Add-On (EZY0021310268_- 0000267.PAT) before installing SP79 |
| SP80 | EZY0021310268_- 0000278.PAT | MWO 2604.01 ECC Objects | Install MWO Add-On (EZY0021310268_- 0000274.PAT) before installing SP80 |

Table 2-8 MWO Gateway Add-On and Support Packages (applicable only for Hub (Gateway System))

| Type | Add-On | Description | Dependency |
|-------------|--------------------------------|---|--|
| Add-On | NZY0021310268_- 0000007.PAT | INNOV MWO 2208 SP02 Gateway Ob- jects | Install RACE™ Add- On (NZY0021310268_- 0000006.PAT) be- fore installing the mWO Add-On (NZY0021310268_- 0000007.PAT) |

Table 2-8 MWO Gateway Add-On and Support Packages (applicable only for Hub (Gateway System)) (continued)

| Type | Add-On | Description | Dependency |
|---------------------|--------------------------------|---|---|
| Support Pack - SP01 | NZY0021310268_- 0000009.PAT | INNOV MWO 2208 SP01 UI5 Application | Install mWO Add-on (NZY0021310268_- 0000007.PAT) before importing the support pack SP01 |
| Support Pack - SP02 | NZY0021310268_- 0000055.PAT | INNOV MWO 2208 SP02 FIORI Application | Install mWO Add-on (NZY0021310268_- 0000052.PAT) before importing the support pack SP02 |
| Support Pack - SP40 | NZY0021310268_- 0000114.PAT | INNOV MWO 2208 SP02 HF01 - HF25 Gateway Objects | Install mWO Add-on (NZY0021310268_- 0000009.PAT) before importing the support pack SP01 |
| Support Pack - SP41 | NZY0021310268_- 0000115.PAT | INNOV MWO 2208 SP02 HF01 - HF25 UI5 Application | Install mWO Add-on (NZY0021310268_- 0000114.PAT) before importing the support pack SP40 |
| Support Pack - SP42 | NZY0021310268_- 0000116.PAT | INNOV MWO 2208 SP02 HF01 - HF25 Fiori Application | Install mWO Add-on (NZY0021310268_- 0000114.PAT) before importing the support pack SP42 |
| Support Pack - SP52 | NZY0021310268_- 0000151.PAT | INNOV MWO 2208 SP02 HF26 - HF35 | Install mWO Add-on (NZY0021310268_- 0000114.PAT) before importing the support pack SP52 |

Table 2-8 MWO Gateway Add-On and Support Packages (applicable only for Hub (Gateway System)) (continued)

| Type | Add-On | Description | Dependency |
|---------------------|--------------------------------|--------------------------------------|--|
| Support Pack – SP74 | NZY0021310268_- 0000238.PAT | INNOV MWO 2208 SP02 HF36 – 2505.1 | Install mWO Add-on (NZY0021310268_-0000151.PAT) before importing the support pack SP74 |
| Support Pack – SP75 | NZY0021310268_- 0000239.PAT | INNOV MWO 2505.03 Gateway Objects | Install mWO Add-on (NZY0021310268_-0000238.PAT) before importing the support pack SP75 |
| Support Pack – SP76 | NZY0021310268_- 0000242.PAT | INNOV MWO 2506.1 Gateway Objects | Install mWO Add-on (NZY0021310268_-0000239.PAT) before importing the support pack SP76 |
| Support Pack – SP77 | NZY0021310268_- 0000244.PAT | INNOV MWO 2506.2 Gateway Objects | Install mWO Add-on (NZY0021310268_-0000242.PAT) before importing the support pack SP77 |
| Support Pack – SP78 | NZY0021310268_- 0000255.PAT | INNOV MWO 2508.1 Gateway Objects | Install mWO Add-on (NZY0021310268_-0000244.PAT) before importing the support pack SP78 |
| Support Pack – SP79 | NZY0021310268_- 0000258.PAT | INNOV MWO 2508.2 Gateway Objects | Install mWO Add-on (NZY0021310268_-0000255.PAT) before importing the support pack SP79 |

Table 2-8 MWO Gateway Add-On and Support Packages (applicable only for Hub (Gateway System)) (continued)

| Type | Add-On | Description | Dependency |
|---------------------|--------------------------------|--|---|
| Support Pack – SP80 | NZY0021310268_- 0000260.PAT | INNOV MWO 2509.1 Gateway Objects | Install mWO Add-on (NZY0021310268_- 0000258.PAT) before importing the support pack SP80 |
| Support Pack – SP81 | NZY0021310268_- 0000261.PAT | INNOV MWO 2509.01.01 Gateway Objects | Install mWO Add-on (NZY0021310268_- 0000260.PAT) before importing the support pack SP76 |
| SP82 | NZY0021310268_- 0000263.PAT | MWO 2208 SP02 2509.02 GW | Install mWO Add-on (NZY0021310268_- 0000261.PAT) before importing the support pack SP82 |
| SP83 | NZY0021310268_- 0000270.PAT | MWO 2208 SP02 2509.03 GW | Install mWO Add-on (NZY0021310268_- 0000263.PAT) before importing the support pack SP73 |
| SP84 | NZY0021310268_- 0000272.PAT | MWO 2208 SP02 2510.01 GW | Install mWO Add-on (NZY0021310268_- 0000270.PAT) before importing the support pack SP84 |
| SP85 | NZY0021310268_- 0000274.PAT | MWO 2208 SP02 2510.01.1 GW | Install mWO Add-on (NZY0021310268_- 0000225.PAT) before importing the support pack SP85 |

Table 2-8 MWO Gateway Add-On and Support Packages (applicable only for Hub (Gateway System)) (continued)

| Type | Add-On | Description | Dependency |
|-------------|--------------------------------|-----------------------------|--|
| SP87 | NZY0021310268_- 0000276.PAT | MWO 2208 SP02 2510.02 GW | Install mWO Add-on (NZY0021310268_-0000274.PAT) before importing the support pack SP87 |
| SP88 | NZY0021310268_- 0000279.PAT | MWO 2208 SP02 2510.03 GW | Install mWO Add-on (NZY0021310268_-0000276.PAT) before importing the support pack SP88 |
| SP89 | NZY0021310268_- 0000283.PAT | MWO 2208 SP02 2510.04 GW | Install mWO Add-on (NZY0021310268_-0000279.PAT) before importing the support pack SP89 |
| SP90 | NZY0021310268_- 0000290.PAT | MWO 2208 SP02 2511.02 GW | Install mWO Add-on (NZY0021310268_-0000283.PAT) before importing the support pack SP90 |
| SP91 | NZY0021310268_- 0000297.PAT | MWO 2208 SP02 2601.01 GW | Install mWO Add-on (NZY0021310268_-0000290.PAT) before importing the support pack SP91 |
| SP92 | NZY0021310268_- 0000301.PAT | MWO 2208 SP02 2601.02 GW | Install mWO Add-on (NZY0021310268_-0000297.PAT) before importing the support pack SP92 |

Table 2-8 MWO Gateway Add-On and Support Packages (applicable only for Hub (Gateway System)) (continued)

| Type | Add-On | Description | Dependency |
|-------------|--------------------------------|-----------------------------|---|
| SP93 | NZY0021310268_- 0000304.PAT | MWO 2208 SP02 2602.02 GW | Install mWO Add-on (NZY0021310268_-0000301.PAT) before importing the support pack SP93 |
| SP94 | NZY0021310268_- 0000310.PAT | MWO 2208 SP02 2602.03 GW | Install mWO Add-on (NZY0021310268_-0000304.PAT) before importing the support pack SP94 |
| SP95 | NZY0021310268_- 0000313.PAT | MWO 2208 SP02 2603.01 GW | Install mWO Add-on (NZY0021310268_-0000310.PAT) before importing the support pack SP95 |
| SP96 | NZY0021310268_- 0000314.PAT | MWO 2208 SP02 2603.02 GW | Install mWO Add-on (NZY0021310268_-00003013.PAT) before importing the support pack SP96 |
| SP97 | NZY0021310268_- 0000316.PAT | MWO 2208 SP02 2604.01 GW | Install mWO Add-on (NZY0021310268_-0000314.PAT) before importing the support pack SP97 |

Table 2-9 MWO Embedded (S/4 HANA) Add-On and Support Packages

| Type | Add-On | Description | Dependency |
|---------------------|--------------------------------|---|---|
| Add-On | MZY0021310268_- 0000003.PAT | INNOV MWO 2208 SP02 EMB Addon | Install RACE™ Add-On (EZY0021310268_- 0000004.PAT) before Installing RACE™ Add- On (NZY0021310268_- 0000006.PAT) before installing MZY0021310268_- 0000003.PAT |
| Support Pack - SP01 | MZY0021310268_- 0000004.PAT | INNOV MWO 2208 SP01 UI5 Application | Install mWO Add-on (MZY0021310268_- 0000003.PAT) before importing the support pack SP01 |
| Support Pack - SP40 | MZY0021310268_- 0000057.PAT | INNOV MWO 2208 SP02 HF01 – HF25 Gateway Objects | Install mWO Add-on (MZY0021310268_- 0000004.PAT) before importing the support pack SP40 |
| Support Pack - SP41 | MZY0021310268_- 0000058.PAT | INNOV MWO 2208 SP01 HF01 – Hf25 UI5 Application | Install mWO Add-on (MZY0021310268_- 0000057.PAT) before importing the support pack SP41 |
| Support Pack - SP42 | MZY0021310268_- 0000059.PAT | INNOV MWO 2208 SP01 HF01 – HF25 Fiori Application | Install mWO Add-on (MZY0021310268_- 0000057.PAT) before importing the support pack SP42 |

Table 2-9 MWO Embedded (S/4 HANA) Add-On and Support Packages (continued)

| Type | Add-On | Description | Dependency |
|---------------------|--------------------------------|---|---|
| Support Pack – SP52 | MZY0021310268_- 0000093.PAT | INNOV MWO 2208 SP02 HF26 – HF35 Gateway Objects | Install mWO Add-on (MZY0021310268_- 0000057.PAT) before importing the support pack SP52 |
| Support Pack – SP77 | MZY0021310268_- 0000192.PAT | INNOV MWO 2208 SP02 HF36 – 2505.1 Gateway Objects | Install mWO Add-on (MZY0021310268_- 0000093.PAT) before importing the support pack SP77 |
| Support Pack – SP78 | MZY0021310268_- 0000205.PAT | INNOV MWO 2505.3 Gateway Objects | Install mWO Add-on (MZY0021310268_- 0000192.PAT) before importing the support pack SP78 |
| Support Pack – SP79 | MZY0021310268_- 0000195.PAT | INNOV MWO 2506.1 Gateway Objects | Install mWO Add-on (MZY0021310268_- 0000205.PAT) before importing the support pack SP79 |
| Support Pack – SP80 | MZY0021310268_- 0000199.PAT | INNOV MWO 2506.2 Gateway Objects | Install mWO Add-on (MZY0021310268_- 0000195.PAT) before importing the support pack SP80 |
| Support Pack – SP81 | MZY0021310268_- 0000215.PAT | INNOV MWO 2508.1 Gateway Objects | Install mWO Add-on (MZY0021310268_- 0000199.PAT) before importing the support pack SP81 |

Table 2-9 MWO Embedded (S/4 HANA) Add-On and Support Packages (continued)

| Type | Add-On | Description | Dependency |
|---------------------|--------------------------------|--|---|
| Support Pack – SP82 | MZY0021310268_- 0000223.PAT | INNOV MWO 2508.2 Gateway Objects | Install mWO Add-on (MZY0021310268_- 0000215.PAT) before importing the support pack SP82 |
| Support Pack – SP83 | MZY0021310268_- 0000224.PAT | INNOV MWO 2509.1 Gateway Objects | Install mWO Add-on (MZY0021310268_- 0000223.PAT) before importing the support pack SP83 |
| Support Pack – SP84 | MZY0021310268_- 0000225.PAT | INNOV MWO 2509.01.01 Gateway Objects | Install mWO Add-on (MZY0021310268_- 0000224.PAT) before importing the support pack SP84 |
| SP85 | MZY0021310268_- 0000228.PAT | MWO 2208 SP02 2509.02 | Install mWO Add-on (MZY0021310268_- 0000225.PAT) before importing the support pack SP85 |
| SP86 | MZY0021310268_- 0000233.PAT | MWO 2208 SP02 2509.03 | Install mWO Add-on (MZY0021310268_- 0000228.PAT) before importing the support pack SP86 |
| SP87 | MZY0021310268_- 0000235.PAT | MWO 2208 SP02 2510.01 | Install mWO Add-on (MZY0021310268_- 0000233.PAT) before importing the support pack SP87 |

Table 2-9 MWO Embedded (S/4 HANA) Add-On and Support Packages (continued)

| Type | Add-On | Description | Dependency |
|-------------|--------------------------------|----------------------------|--|
| SP88 | MZY0021310268_- 0000237.PAT | MWO 2208 SP02 2510.01.1 | Install mWO Add-on (MZY0021310268_-0000235.PAT) before importing the support pack SP88 |
| SP90 | MZY0021310268_- 0000239.PAT | MWO 2208 SP02 2510.02 | Install mWO Add-on (MZY0021310268_-0000237.PAT) before importing the support pack SP90 |
| SP91 | MZY0021310268_- 0000244.PAT | MWO 2208 SP02 2510.03 | Install mWO Add-on (MZY0021310268_-0000239.PAT) before importing the support pack SP91 |
| SP92 | MZY0021310268_- 0000247.PAT | MWO 2208 SP02 2510.04 | Install mWO Add-on (MZY0021310268_-0000244.PAT) before importing the support pack SP92 |
| SP93 | MZY0021310268_- 0000251.PAT | MWO 2208 SP02 2511.01 | Install mWO Add-on (MZY0021310268_-0000247.PAT) before importing the support pack SP93 |
| SP94 | MZY0021310268_- 0000257.PAT | MWO 2208 SP02 2511.03 | Install mWO Add-on (MZY0021310268_-0000251.PAT) before importing the support pack SP93 |

Table 2-9 MWO Embedded (S/4 HANA) Add-On and Support Packages (continued)

| Type | Add-On | Description | Dependency |
|-------------|--------------------------------|----------------------------------|---|
| SP95 | MZY0021310268_- 0000259.PAT | MWO 2208 SP02 2512.01 | Install mWO Add-on (MZY0021310268_-0000257.PAT) before importing the support pack SP94 |
| SP96 | MZY0021310268_- 0000273.PAT | MWO 2208 SP02 2601.01 | Install mWO Add-on (MZY0021310268_-0000259.PAT) before importing the support pack SP96 |
| SP97 | MZY0021310268_- 0000276.PAT | MWO 2208 SP02 2601.02 | Install mWO Add-on (MZY0021310268_-0000273.PAT) before importing the support pack SP97 |
| SP98 | MZY0021310268_- 0000279.PAT | MWO 2208 SP02 2602.02 | Install mWO Add-on (MZY0021310268_-0000276.PAT) before importing the support pack SP98 |
| SP99 | MZY0021310268_- 0000287.PAT | MWO 2208 SP02 2602.03 | Install mWO Add-on (MZY0021310268_-0000279.PAT) before importing the support pack SP99 |
| SP100 | MZY0021310268_- 0000290.PAT | MWO 2208 SP02 2602.03(TAFISA) | Install mWO Add-on (MZY0021310268_-0000287.PAT) before importing the support pack SP100 |

Table 2-9 MWO Embedded (S/4 HANA) Add-On and Support Packages (continued)

| Type | Add-On | Description | Dependency |
|-------|--------------------------------|--------------------------|---|
| SP101 | MZY0021310268_- 0000293.PAT | MWO 2208 SP02 2603.01 | Install mWO Add-on (MZY0021310268_-0000290.PAT) before importing the support pack SP101 |
| SP102 | MZY0021310268_- 0000294.PAT | MWO 2208 SP02 2603.02 | Install mWO Add-on (MZY0021310268_-0000293.PAT) before importing the support pack SP102 |

2.5. Import RACE™ and mWorkOrder SAP® ECC and Gateway Transports in Target SAP Environments

Innovapptive recommends that you install Add-ons instead of importing Transports for error free installation. However, if you prefer to import Transports, import them in the order listed in the table.

Please follow the SAP standard process to import transports. For more information, see https://help.sap.com/doc/saphelp_nw74/7.4.16/en-US/44/c54a4278bbb56be10000000a155106/content.htm?no_cache=true.



Note:

Ask your Innovapptive contact for the latest transports and these components will be provided in a compressed file format, such as .zip, .rar, and sent to you either through email or through FTP.

Table 2-10 RACE™ SAP® ECC Transports

| Transport | Description | Dependency |
|------------|---------------------------------------|------------|
| ERDK913573 | Innov RACE 2208 SP02 ECC Objects | None |
| ERDK913587 | Innov RACE 2208 SP02 HF01 ECC Objects | ERDK913573 |

Table 2-10 RACE™ SAP® ECC Transports (continued)

| Transport | Description | Dependency |
|------------------|--|-------------------|
| ERDK913595 | Innov RACE 2208 SP02 HF03 ECC Objects | ERDK913587 |
| ERDK913634 | Innov RACE 2208 SP02 HF04 ECC Objects | ERDK913595 |
| ERDK913675 | Innov RACE 2208 SP02 HF05 ECC Objects | ERDK913634 |
| ERDK913685 | Innov RACE 2208 SP02 HF06 ECC Objects | ERDK913675 |
| ERDK913716 | Innov RACE 2208 SP02 HF07 ECC Objects | ERDK913685 |
| ERDK913744 | Innov RACE 2208 SP02 HF08 ECC Objects | ERDK913716 |
| ERDK913751 | Innov RACE 2208 SP02 HF09 ECC Objects | ERDK913744 |
| ERDK913815 | Innov RACE 2208 SP02 HF10 ECC Objects | ERDK913751 |
| ERDK913840 | Innov RACE 2208 SP02 HF11 ECC Objects | ERDK913815 |
| ERDK913869 | Innov RACE 2208 SP02 HF12 ECC Objects | ERDK913840 |
| ERDK913908 | Innov RACE 2208 SP02 HF13 ECC Objects | ERDK913869 |
| ERDK913930 | Innov RACE 2208 SP02 HF15 ECC Objects | ERDK913908 |
| ERDK914084 | Innov RACE 2208 SP02 HF17 ECC Objects | ERDK913930 |
| ERDK914106 | Innov RACE 2208 SP02 HF19 ECC Objects | ERDK914084 |

Table 2-10 RACE™ SAP® ECC Transports (continued)

| Transport | Description | Dependency |
|------------------|--|-------------------|
| ERDK914151 | Innov RACE 2208 SP02 HF20 ECC Objects | ERDK914106 |
| ERDK914232 | Innov RACE 2208 SP02 HF21 ECC Objects | ERDK914151 |
| ERDK914280 | Innov RACE 2208 SP02 HF22 ECC Objects | ERDK914232 |
| ERDK914330 | Innov RACE 2208 SP02 HF24 ECC Objects | ERDK914280 |
| ERDK914375 | Innov RACE 2208 SP02 HF25 ECC Objects | ERDK914330 |
| ERDK914416 | Innov RACE 2208 SP02 HF26 ECC Objects | ERDK914375 |
| ERDK914464 | Innov RACE 2208 SP02 HF27 ECC Objects | ERDK914416 |
| ERDK914514 | Innov RACE 2208 SP02 HF28 ECC Objects | ERDK914464 |
| ERDK914534 | Innov RACE 2208 SP02 HF29 ECC Objects | ERDK914514 |
| ERDK914625 | Innov RACE 2208 SP02 HF32 ECC Objects | ERDK914534 |
| ERDK914629 | Innov RACE 2208 SP02 HF33 ECC Objects | ERDK914625 |
| ERDK914803 | Innov RACE 2208 SP02 HF34 ECC Objects | ERDK914629 |
| ERDK914807 | Innov RACE 2208 SP02 HF34.1 ECC Objects | ERDK914803 |
| ERDK914805 | Innov RACE 2208 SP02 HF35 ECC Objects | ERDK914807 |

Table 2-10 RACE™ SAP® ECC Transports (continued)

| Transport | Description | Dependency |
|------------------|--|-------------------|
| ERDK914901 | Innov RACE 2208 SP02 HF36 ECC Objects | ERDK914805 |
| ERDK915056 | Innov RACE 2208 SP02 HF37 ECC Objects | ERDK914901 |
| ERDK915062 | Innov RACE 2208 SP02 HF38 ECC Objects | ERDK915056 |
| ERDK915127 | Innov RACE 2208 SP02 HF39 ECC Objects | ERDK915062 |
| ERDK915233 | Innov RACE 2208 SP02 HF40 ECC Objects | ERDK915127 |
| ERDK915250 | Innov RACE 2208 SP02 HF41 ECC Objects | ERDK915233 |
| ERDK915308 | Innov RACE 2208 SP02 HF42 ECC Objects | ERDK915250 |
| ERDK915415 | Innov RACE 2208 SP02 HF44 ECC Objects | ERDK915308 |
| ERDK915491 | Innov RACE 2208 SP02 HF45 ECC Objects | ERDK915415 |
| ERDK915541 | Innov RACE 2208 SP02 HF46 ECC Objects | ERDK915491 |
| ERDK915582 | Innov RACE 2208 SP02 HF47.1 ECC Objects | ERDK915541 |
| ERDK915640 | Innov RACE 2208 SP02 HF48 ECC Objects | ERDK915582 |
| ERDK915655 | Innov RACE 2208 SP02 HF49 ECC Objects | ERDK915640 |
| ERDK915720 | Innov RACE 2208 SP02 HF50 ECC Objects | ERDK915655 |

Table 2-10 RACE™ SAP® ECC Transports (continued)

| Transport | Description | Dependency |
|------------------|----------------------------------|-------------------|
| ERDK915817 | Innov RACE 2501.1 ECC Objects | ERDK915720 |
| ERDK915970 | Innov RACE 2502.1 ECC Objects | ERDK915817 |
| ERDK916012 | Innov RACE 2502.3 ECC Objects | ERDK915970 |
| ERDK916119 | Innov RACE 2503.3 ECC Objects | ERDK916012 |
| ERDK916142 | Innov RACE 2504.1 ECC Objects | ERDK916119 |
| ERDK916175 | Innov RACE 2504.2 ECC Objects | ERDK916142 |
| ERDK916208 | Innov RACE 2505.1 ECC Objects | ERDK916175 |
| ERDK916228 | Innov RACE 2505.2 ECC Objects | ERDK916208 |
| ERDK916267 | Innov RACE 2505.3 ECC Objects | ERDK916228 |
| ERDK916445 | Innov RACE 2507.1 ECC Objects | ERDK916267 |
| ERDK916543 | Innov RACE 2508.1 ECC Objects | ERDK916445 |
| ERDK916603 | Innov RACE 2509.1 ECC Objects | ERDK916543 |
| ERDK916606 | Innov RACE 2509.1.01 ECC Objects | ERDK916603 |

Table 2-11 RACE™ Gateway Transports

| Transport | Description | Dependency |
|------------------|--|-------------------|
| NG5K903797 | Innov RACE 2208 SP02 Gate- way Objects | None |
| NG5K903799 | Innov RACE 2208 SP01 UI5 Ap- plication | NG5K903797 |
| NG5K903821 | Innov RACE 2208 SP02 HF03 Gateway Objects | NG5K903799 |
| NG5K903817 | Innov RACE 2208 SP02 HF03 UI5 Application | NG5K903821 |
| NG5K903824 | Innov RACE 2208 SP02 HF04 Gateway Objects | NG5K903817 |
| NG5K903858 | Innov RACE 2208 SP02 HF05 Gateway Objects | NG5K903817 |
| NG5K903828 | Innov RACE 2208 SP02 HF05 UI5 Application | NG5K903858 |
| NG5K903869 | Innov RACE 2208 SP02 HF06 Gateway Objects | NG5K903828 |
| NG5K903875 | Innov RACE 2208 SP02 HF06 UI5 Application | NG5K903869 |
| NG5K903910 | Innov RACE 2208 SP02 .01 HF06 GW Objects | NG5K903875 |
| NG5K903904 | Innov RACE 2208 SP02 HF07 Gateway Objects | NG5K903910 |
| NG5K903908 | Innov RACE 2208 SP02 HF07 UI5 Application | NG5K903904 |
| NG5K903947 | Innov RACE 2208 SP02 HF08 Gateway Objects | NG5K903908 |
| NG5K903949 | Innov RACE 2208 SP02 HF09 Gateway Objects | NG5K903947 |

Table 2-11 RACE™ Gateway Transports (continued)

| Transport | Description | Dependency |
|------------------|--|-------------------|
| NG5K903983 | Innov RACE 2208 SP02 HF09 UI5 Application | NG5K903949 |
| NG5K904016 | Innov RACE 2208 SP02 HF10 Gateway Objects | NG5K903983 |
| NG5K904010 | Innov RACE 2208 SP02 HF10 UI5 Application | NG5K904016 |
| NG5K904057 | Innov RACE 2208 SP02 HF11 Gateway Objects | NG5K904010 |
| NG5K904053 | Innov RACE 2208 SP02 HF11 UI5 Application | NG5K904057 |
| NG5K904067 | Innov RACE 2208 SP02 HF12 Gateway Objects | NG5K904053 |
| NG5K904084 | Innov RACE 2208 SP02 HF13 Gateway Objects | NG5K904067 |
| NG5K904077 | Innov RACE 2208 SP02 HF11 UI5 Application | NG5K904084 |
| NG5K904110 | Innov RACE 2208 SP02 Fiori Application | NG5K904077 |
| NG5K904090 | Innov RACE 2208 SP02 HF15 Gateway Objects | NG5K904110 |
| NG5K904103 | Innov RACE 2208 SP02 Fiori Application | NG5K904090 |
| NG5K904133 | Innov RACE 2208 SP02 HF17 Gateway Objects | NG5K904103 |
| NG5K904108 | Innov RACE 2208 SP02 HF17 UI5 Application | NG5K904133 |
| NG5K904158 | Innov RACE 2208 SP02 HF19 Gateway Objects | NG5K904108 |

Table 2-11 RACE™ Gateway Transports (continued)

| Transport | Description | Dependency |
|------------------|---|-------------------|
| NG5K904163 | Innov RACE 2208 SP02 HF20 Gateway Objects | NG5K904158 |
| NG5K904175 | Innov RACE 2208 SP02 HF21 Gateway Objects | NG5K904163 |
| NG5K904161 | Innov RACE 2208 SP02 HF21 UI5 Application | NG5K904175 |
| NG5K904143 | Innov RACE 2208 SP02 HF21 fiori Application | NG5K904161 |
| NG5K904207 | Innov RACE 2208 SP02 HF22 Gateway Objects | NG5K904143 |
| NG5K904211 | Innov RACE 2208 SP02 HF23 Gateway Objects | NG5K904207 |
| NG5K904193 | Innov RACE 2208 SP02 HF23 UI5 Application | NG5K904211 |
| NG5K904217 | Innov RACE 2208 SP02 HF24 Gateway Objects | NG5K904193 |
| NG5K904196 | Innov RACE 2208 SP02 HF25 UI5 Application | NG5K904217 |
| NG5K904227 | Innov RACE 2208 SP02 HF25 Gateway Objects | NG5K904196 |
| NG5K904238 | Innov RACE 2208 SP02 HF26 UI5 Application | NG5K904227 |
| NG5K904232 | Innov RACE 2208 SP02 HF26 UI5 Application | NG5K904238 |
| NG5K904245 | Innov RACE 2208 SP02 HF26.01 UI5 Application | NG5K904232 |
| NG5K904235 | Innov RACE 2208 SP02 HF27 Gateway Objects | NG5K904245 |

Table 2-11 RACE™ Gateway Transports (continued)

| Transport | Description | Dependency |
|------------------|--|-------------------|
| NG5K904253 | Innov RACE 2208 SP02 HF28 Gateway Objects | NG5K904235 |
| NG5K904271 | Innov RACE 2208 SP02 HF29 Gateway Objects | NG5K904253 |
| NG5K904281 | Innov RACE 2208 SP02 HF30 Gateway Objects | NG5K904271 |
| NG5K904247 | Innov RACE 2208 SP02 HF30 UI5 Application | NG5K904281 |
| NG5K904285 | Innov RACE 2208 SP02 HF32 Gateway Objects | NG5K904247 |
| NG5K904294 | Innov RACE 2208 SP02 HF32 Fiori Application | NG5K904285 |
| NG5K904296 | Innov RACE 2208 SP02 HF33 gateway Objects | NG5K904294 |
| NG5K904315 | Innov RACE 2208 SP02 HF34 gateway Objects | NG5K904296 |
| NG5K904298 | Innov RACE 2208 SP02 HF34 Fiori Application | NG5K904315 |
| NG5K904317 | Innov RACE 2208 SP02 HF35 gateway Objects | NG5K904298 |
| NG5K904310 | Innov RACE 2208 SP02 HF35 UI5 Application | NG5K904317 |
| NG5K904337 | Innov RACE 2208 SP02 HF35.1 gateway Objects | NG5K904310 |
| NG5K904198 | Innov RACE 2208 SP02 HF36 Fiori Application | NG5K904337 |
| NG5K904343 | Innov RACE 2208 SP02 HF36 GW Objects | NG5K904198 |

Table 2-11 RACE™ Gateway Transports (continued)

| Transport | Description | Dependency |
|------------------|---|-------------------|
| NG5K904372 | Innov RACE 2208 SP02 HF37 GW Objects | NG5K904343 |
| NG5K904400 | Innov RACE 2208 SP02 HF38 firori Application | NG5K904372 |
| NG5K904402 | Innov RACE 2208 SP02 HF39 GW Objects | NG5K904400 |
| NG5K904428 | Innov RACE 2208 SP02 HF40 GW Objects | NG5K904402 |
| NG5K904432 | Innov RACE 2208 SP02 HF41 GW Objects | NG5K904428 |
| NG5K904452 | Innov RACE 2208 SP02 HF42 GW Objects | NG5K904432 |
| NG5K904481 | Innov RACE 2208 SP02 HF43 GW Objects | NG5K904452 |
| NG5K904471 | Innov RACE 2208 SP02 HF44 GW Objects | NG5K904481 |
| NG5K904502 | Innov RACE 2208 SP02 HF45 GW Objects | NG5K904471 |
| NG5K904504 | Innov RACE 2208 SP02 HF46 GW Objects | NG5K904502 |
| NG5K904509 | Innov RACE 2208 SP02 HF47 GW Objects | NG5K904504 |
| NG5K904519 | Innov RACE 2208 SP02 HF48 GW Objects | NG5K904509 |
| NG5K904541 | Innov RACE 2208 SP02 HF49 GW Objects | NG5K904519 |
| NG5K904543 | Innov RACE 2208 SP02 HF50 GW Objects | NG5K904541 |

Table 2-11 RACE™ Gateway Transports (continued)

| Transport | Description | Dependency |
|------------------|---|-------------------|
| NG5K904552 | Innov RACE 2208 SP02 2501.1 GW Objects | NG5K904543 |
| NG5K904525 | Innov RACE 2208 SP02 2501.1 Firoi Objects | NG5K904552 |
| NG5K904562 | Innov RACE 2208 SP02 2501.2 GW Objects | NG5K904525 |
| NG5K904566 | Innov RACE 2208 SP02 2501.3 GW Objects | NG5K904562 |
| NG5K904573 | Innov RACE 2208 SP02 2501.4 GW Objects | NG5K904566 |
| NG5K904576 | Innov RACE 2208 SP02 2503.3 GW Objects | NG5K904573 |
| NG5K904591 | Innov RACE 2208 SP02 2504.01 GW Objects | NG5K904576 |
| NG5K904601 | Innov RACE 2208 SP02 2505.1 GW Objects | NG5K904591 |
| NG5K904603 | Innov RACE 2208 SP02 2505.3 GW Objects | NG5K904601 |
| NG5K904610 | Innov RACE 2208 SP02 2506.1 GW Objects | NG5K904603 |
| NG5K904619 | Innov RACE 2208 SP02 2508.1 GW Objects | NG5K904610 |
| NG5K904624 | Innov RACE 2508.02 GW Ob- jects | NG5K904619 |
| NG5K904629 | Innov RACE 2508.02 UI5 Appli- cation | NG5K904624 |
| NG5K904632 | Innov RACE 2208 SP02 2508.02 Firoi Objects | NG5K904629 |

Table 2-12 MWO SAP® ECC Transports

| Transport | Description | Dependency |
|------------------|--------------------------------------|---|
| ERDK913571 | Innov MWO 2208 SP02 ECC Objects | Import ERDK913573 before importing ERDK913571 |
| ERDK913575 | Innov MWO 2208 SP02 HF01 ECC Objects | ERDK913571 |
| ERDK913616 | Innov MWO 2208 SP02 HF03 ECC Objects | ERDK913575 |
| ERDK913637 | Innov MWO 2208 SP02 HF04 ECC Objects | ERDK913616 |
| ERDK913664 | Innov MWO 2208 SP02 HF05 ECC Objects | ERDK913637 |
| ERDK913680 | Innov MWO 2208 SP02 HF06 ECC Objects | ERDK913664 |
| ERDK913709 | Innov MWO 2208 SP02 HF07 ECC Objects | ERDK913680 |
| ERDK913740 | Innov MWO 2208 SP02 HF08 ECC Objects | ERDK913709 |
| ERDK913753 | Innov MWO 2208 SP02 HF09 ECC Objects | ERDK913740 |
| ERDK913800 | Innov MWO 2208 SP02 HF10 ECC Objects | ERDK913753 |
| ERDK913828 | Innov MWO 2208 SP02 HF11 ECC Objects | ERDK913800 |
| ERDK913862 | Innov MWO 2208 SP02 HF12 ECC Objects | ERDK913828 |
| ERDK913899 | Innov MWO 2208 SP02 HF13 ECC Objects | ERDK913862 |
| ERDK913968 | Innov MWO 2208 SP02 HF15 ECC Objects | ERDK913899 |

Table 2-12 MWO SAP® ECC Transports (continued)

| Transport | Description | Dependency |
|------------------|---|-------------------|
| ERDK914066 | Innov MWO 2208 SP02 HF17 ECC Objects | ERDK913968 |
| ERDK914117 | Innov MWO 2208 SP02 HF19 ECC Objects | ERDK914066 |
| ERDK914141 | Innov MWO 2208 SP02 HF20 ECC Objects | ERDK914117 |
| ERDK914246 | Innov MWO 2208 SP02 HF21 ECC Objects | ERDK914141 |
| ERDK914248 | Innov MWO 2208 SP02 HF22 ECC Objects | ERDK914246 |
| ERDK914288 | Innov MWO 2208 SP02 HF23 ECC Objects | ERDK914248 |
| ERDK914320 | Innov MWO 2208 SP02 HF24 ECC Objects | ERDK914288 |
| ERDK914385 | Innov MWO 2208 SP02 HF25 ECC Objects | ERDK914320 |
| ERDK914453 | Innov MWO 2208 SP02 HF26 ECC Objects | ERDK914385 |
| ERDK914455 | Innov MWO 2208 SP02 HF27 ECC Objects | ERDK914453 |
| ERDK914557 | Innov MWO 2208 SP02 HF29 ECC Objects | ERDK914455 |
| ERDK914555 | Innov MWO 2208 SP02 HF30 ECC Objects | ERDK914557 |
| ERDK914627 | Innov MWO 2208 SP02 HF32 ECC Objects | ERDK914555 |
| ERDK914695 | Innov MWO 2208 SP02 HF33 ECC Objects | ERDK914627 |

Table 2-12 MWO SAP® ECC Transports (continued)

| Transport | Description | Dependency |
|------------------|--|-------------------|
| ERDK914704 | Innov MWO 2208 SP02 HF34 ECC Objects | ERDK914695 |
| ERDK914887 | Innov MWO 2208 SP02 HF35 ECC Objects | ERDK914704 |
| ERDK914947 | Innov MWO 2208 SP02 HF36 ECC Objects | ERDK914887 |
| ERDK915054 | Innov MWO 2208 SP02 HF37 ECC Objects | ERDK914947 |
| ERDK915059 | Innov MWO 2208 SP02 HF038 ECC Objects | ERDK915054 |
| ERDK915107 | Innov MWO 2208 SP02 HF039 ECC Objects | ERDK915059 |
| ERDK915213 | Innov MWO 2208 SP02 HF40 ECC Objects | ERDK915107 |
| ERDK915305 | Innov MWO 2208 SP02 HF41 ECC Objects | ERDK915213 |
| ERDK915310 | Innov MWO 2208 SP02 HF42 ECC Objects | ERDK915305 |
| ERDK915373 | Innov MWO 2208 SP02 HF43 ECC Objects | ERDK915310 |
| ERDK915410 | Innov MWO 2208 SP02 HF44 ECC Objects | ERDK915373 |
| ERDK915458 | Innov MWO 2208 SP02 HF45 ECC Objects | ERDK915410 |
| ERDK915531 | Innov MWO 2208 SP02 HF46 ECC Objects | ERDK915458 |
| ERDK915623 | Innov MWO 2208 SP02 HF47 ECC Objects | ERDK915531 |

Table 2-12 MWO SAP® ECC Transports (continued)

| Transport | Description | Dependency |
|------------------|---|-------------------|
| ERDK915649 | Innov MWO 2208 SP02 HF48 ECC Objects | ERDK915623 |
| ERDK915687 | Innov MWO 2208 SP02 HF49 ECC Objects | ERDK915649 |
| ERDK915815 | Innov MWO 2208 SP02 HF50(2501.1) ECC Objects | ERDK915687 |
| ERDK915819 | Innov MWO 2208 SP02 2501.2 ECC Objects | ERDK915815 |
| ERDK915895 | Innov MWO 2208 SP02 2502.1 ECC Objects | ERDK915819 |
| ERDK915960 | Innov MWO 2208 SP02 2502.2 ECC Objects | ERDK915895 |
| ERDK916104 | Innov MWO 2502.3 ECC Ob- jects | ERDK915960 |
| ERDK916030 | Innov MWO 2503.2 ECC Ob- jects | ERDK916104 |
| ERDK916063 | Innov MWO 2503.3 ECC Ob- jects | ERDK916030 |
| ERDK916165 | Innov MWO 2504.01 ECC Ob- jects | ERDK916063 |
| ERDK916180 | Innov MWO 2505.01 ECC Ob- jects | ERDK916165 |
| ERDK916274 | Innov MWO 2505.03 ECC Ob- jects | ERDK916180 |
| ERDK916373 | Innov MWO 2506.01 ECC Ob- jects | ERDK916274 |
| ERDK916405 | Innov MWO 2506.02 ECC Ob- jects | ERDK916373 |

Table 2-12 MWO SAP® ECC Transports (continued)

| Transport | Description | Dependency |
|------------------|-------------------------------|-------------------|
| ERDK916401 | Innov MWO 2508.01 ECC Objects | ERDK916405 |
| ERDK916591 | Innov MWO 2508.02 ECC Objects | ERDK916401 |
| ERDK916599 | Innov MWO 2509.01 ECC Objects | ERDK916591 |

Table 2-13 MWO SAP® Gateway Transports

| Transport | Description | Dependency |
|------------------|--|---|
| NGTK910560 | Innov MWO 2208 SP02 Gateway Objects | Import NG5K903797 before importing NGTK910560 |
| NGTK910555 | Innov mWO 2208 SP01 UI5 Application | NGTK910560 |
| NGTK910564 | Innov mWO 2208 SP02 HF01 Gateway Objects | NGTK910555 |
| NGTK910570 | Innov mWO 2208 SP02 HF01 UI5 Application | NGTK910564 |
| NGTK910619 | Innov mWO 2208 SP02 HF03 Gateway Objects | NGTK910570 |
| NGTK910615 | Innov mWO 2208 SP02 HF03 UI5 Application | NGTK910619 |
| NGTK910626 | Innov mWO 2208 SP02 HF04 Gateway Objects | NGTK910615 |
| NGTK910621 | Innov mWO 2208 SP02 HF04 UI5 Application | NGTK910626 |
| NGTK910650 | Innov mWO 2208 SP02 HF05 Gateway Objects | NGTK910621 |
| NGTK910646 | Innov mWO 2208 SP02 HF05 UI5 Application | NGTK910650 |

Table 2-13 MWO SAP® Gateway Transports (continued)

| Transport | Description | Dependency |
|------------------|---|-------------------|
| NGTK910665 | Innov mWO 2208 SP02 HF06 Gateway Objects | NGTK910646 |
| NGTK910668 | Innov mWO 2208 SP02 HF06 UI5 Application | NGTK910665 |
| NGTK910680 | Innov mWO 2208 SP02 HF07 Gateway Objects | NGTK910668 |
| NGTK910685 | Innov mWO 2208 SP02 HF07 UI5 Application | NGTK910680 |
| NGTK910703 | Innov mWO 2208 SP02 HF08 Gateway Objects | NGTK910685 |
| NGTK910712 | Innov mWO 2208 SP02 HF09 Gateway Objects | NGTK910703 |
| NGTK910710 | Innov mWO 2208 SP02 HF09 UI5 Application | NGTK910712 |
| NGTK910762 | Innov mWO 2208 SP02 HF10 Gateway Objects | NGTK910710 |
| NGTK910767 | Innov mWO 2208 SP02 HF10 UI5 Application | NGTK910762 |
| NGTK910790 | Innov mWO 2208 SP02 HF11 Gateway Objects | NGTK910767 |
| NGTK910793 | Innov mWO 2208 SP02 HF11 UI5 Application | NGTK910790 |
| NGTK910815 | Innov mWO 2208 SP02 HF12 Gateway Objects | NGTK910793 |
| NGTK910852 | Innov mWO 2208 SP02 HF13 Gateway Objects | NGTK910815 |
| NGTK910862 | Innov mWO 2208 SP02 HF13 UI5 Application | NGTK910852 |

Table 2-13 MWO SAP® Gateway Transports (continued)

| Transport | Description | Dependency |
|------------------|--|-------------------|
| NGTK910928 | Innov mWo 2208 SP02 Fiori Application | NGTK910862 |
| NGTK910903 | Innov mWO 2208 SP02 HF15 Gateway Objects | NGTK910928 |
| NGTK910996 | Innov mWo 2208 SP02 HF16 Fiori Application | NGTK910903 |
| NGTK910988 | Innov mWO 2208 SP02 HF17 Gateway Objects | NGTK910996 |
| NGTK910990 | Innov mWO 2208 SP02 HF17 UI5 Application | NGTK910988 |
| NGTK911026 | Innov mWo 2208 SP02 HF17 Fiori Application | NGTK910990 |
| NGTK912132 | Innov mWO 2208 SP02 HF19 Gateway Objects | NGTK911026 |
| NGTK912163 | Innov mWo 2208 SP02 HF19 Fiori Application | NGTK912132 |
| NGTK912166 | Innov mWO 2208 SP02 HF20 Gateway Objects | NGTK912163 |
| NGTK912181 | Innov mWO 2208 SP02 HF21 Gateway Objects | NGTK912166 |
| NGTK912192 | Innov mWO 2208 SP02 HF21 UI5 Application | NGTK912181 |
| NGTK912147 | Innov mWo 2208 SP02 HF21 Fiori Application | NGTK912192 |
| NGTK912218 | Innov mWO 2208 SP02 HF22 Gateway Objects | NGTK912147 |
| NGTK912253 | Innov mWO 2208 SP02 HF23 Gateway Objects | NGTK912218 |

Table 2-13 MWO SAP® Gateway Transports (continued)

| Transport | Description | Dependency |
|------------------|---|-------------------|
| NGTK912278 | Innov mWO 2208 SP02 HF24 Gateway Objects | NGTK912253 |
| NGTK912298 | Innov mWO 2208 SP02 HF25 Gateway Objects | NGTK912278 |
| NGTK912304 | Innov mWO 2208 SP02 HF26 Gateway Objects | NGTK912298 |
| NGTK912326 | Innov mWO 2208 SP02 HF27 Gateway Objects | NGTK912304 |
| NGTK912363 | Innov mWO 2208 SP02 HF28 Gateway Objects | NGTK912326 |
| NGTK912379 | Innov mWO 2208 SP02 HF29 Gateway Objects | NGTK912363 |
| NGTK912381 | Innov mWO 2208 SP02 HF30 Gateway Objects | NGTK912379 |
| NGTK912409 | Innov mWO 2208 SP02 HF32 Gateway Objects | NGTK912381 |
| NGTK912424 | Innov mWO 2208 SP02 HF33 Gateway Objects | NGTK912409 |
| NGTK912454 | Innov mWO 2208 SP02 HF34 Gateway Objects | NGTK912424 |
| NGTK912518 | Innov mWO 2208 SP02 HF35 Gateway Objects | NGTK912454 |
| NGTK912570 | Innov mWO 2208 SP02 HF36 Gateway Objects | NGTK912518 |
| NGTK912632 | Innov mWO 2208 SP02 HF37 Gateway Objects | NGTK912570 |
| NGTK912671 | Innov mWO 2208 SP02 HF38 Gateway Objects | NGTK912632 |

Table 2-13 MWO SAP® Gateway Transports (continued)

| Transport | Description | Dependency |
|------------------|---|-------------------|
| NGTK912706 | Innov mWO 2208 SP02 HF39 Gateway Objects | NGTK912671 |
| NGTK912789 | Innov mWO 2208 SP02 HF40 Gateway Objects | NGTK912706 |
| NGTK912817 | Innov mWO 2208 SP02 HF41 Gateway Objects | NGTK912789 |
| NGTK912875 | Innov mWO 2208 SP02 HF42 Gateway Objects | NGTK912817 |
| NGTK912905 | Innov mWO 2208 SP02 HF43 Gateway Objects | NGTK912875 |
| NGTK912936 | Innov mWO 2208 SP02 HF44 Gateway Objects | NGTK912905 |
| NGTK912970 | Innov mWO 2208 SP02 HF45 Gateway Objects | NGTK912936 |
| NGTK913043 | Innov mWO 2208 SP02 HF46 Gateway Objects | NGTK912970 |
| NGTK913093 | Innov mWO 2208 SP02 HF47 Gateway Objects | NGTK913043 |
| NGTK913091 | Innov MWO 2208 SP02 HF46.2 Gateway Objects | NGTK913093 |
| NGTK913114 | Innov mWO 2208 SP02 HF48 Gateway Objects | NGTK913091 |
| NGTK913143 | Innov mWO 2208 SP02 HF49 Gateway Objects | NGTK913114 |
| NGTK913186 | Innov mWO 2501.1 Gateway Objects | NGTK913143 |
| NGTK913221 | Innov mWO 2501.2 Gateway Objects | NGTK913186 |

Table 2-13 MWO SAP® Gateway Transports (continued)

| Transport | Description | Dependency |
|------------------|---|-------------------|
| NGTK913276 | Innov mWO 2502.1 Gateway Objects | NGTK913221 |
| NGTK913295 | Innov mWO 2502.3 Gateway Objects | NGTK913276 |
| NGTK913344 | Innov mWO 2503.3 Gateway Objects | NGTK913295 |
| NGTK913380 | Innov mWO 2504.01 Gateway Objects | NGTK913344 |
| NGTK913436 | Innov mWO 2505.01 Gateway Objects | NGTK913380 |
| NGTK913442 | Innov mWO 2505.03 Gateway Objects | NGTK913436 |
| NGTK913464 | Innov mWO 2506.01 Gateway Objects | NGTK913442 |
| NGTK913462 | Innov mWO 2506.02 Gateway Objects | NGTK913464 |
| NGTK913529 | Innov mWO 2508.01 Gateway Objects | NGTK913462 |
| NGTK913591 | Innov mWO 2508.02 Gateway Objects | NGTK913529 |
| NGTK913613 | Innov mWO 2509.01 Gateway Objects | NGTK913591 |
| NGTK913618 | Innov mWO 2509.01.01 Gate- way Objects | NGTK913613 |

2.5.1. Activate RACE™ & mWorkOrder OData Services

Once add-on and support packs are installed, activate RACE™ and mWorkOrder OData Services.

To activate the RACE™ OData Service:

| 2 - Install mWorkOrder

1. Login to Gateway system.
2. Navigate to the transaction **/IWFND/MAINT_SERVICE**.
3. Select the service **/INVCEC/RACE_SRV**.
4. Click **Activate** from the drop-down list of **ICF Node** options.

A message appears notifying the package selection appears.

Figure 2-4 Activate and Maintain Services

| Type | Technical Service Name | Service Description | External Service Name | Namespace | OAut. | Soft State | Status | Is SAP Service |
|------|-------------------------------|---|-------------------------------|-----------------|----------|------------|---------------|----------------|
| REP | ZPAGE_BUILDER_CUST | 1 Pagebuilder - Customizing level | PAGE_BUILDER_CUST | /UIZ/ | ✓ | | | |
| REP | ZPAGE_BUILDER_PERS | 1 Pagebuilder - Personalization level | PAGE_BUILDER_PERS | /UIZ/ | ✓ | | | |
| REP | ZPAGEBUILDER_SERVICE_V_0_1 | 1 Gateway Data Provider: Pagebuilder v0.1 (DB) | PAGEBUILDER_SERVICE_V_0_1 | /UIZ/ | ✓ | | | |
| REP | ZPP_PRODOPS_CONFIRM_SRV | 1 Confirm Production Order Operation | PP_PRODOPS_CONFIRM_SRV | /UIZ/ | ✓ | | | |
| REP | ZQUICKVIEW | 1 Quickview Service | QUICKVIEW | /UIZ/ | ✓ | | | |
| REP | /INVCEC/RACE_SRV | 1 Global Extensions | RACE_SRV | /INVCEC/ | ✓ | | | |
| REP | ZMITSAMPLEFLIGHT | 1 OData Channel - Reference SFlight Data Provider | BMITSAMPLEFLIGHT | /IWFND/ | ✓ | | | |
| REP | ZMITSAMPLEFLIGHT_2 | 1 OData Channel - Reference SFlight Data Provider | BMITSAMPLEFLIGHT_2 | /IWBEP/ | ✓ | | | |
| REP | RSOA_ODATA_SRV | 1 Tlogo and Bookmark access via Odata | RSOA_ODATA_SRV | | ✓ | | Not Supported | |
| REP | S_EPM_SADL_GW_DEV_SCEN_RO_SRV | 1 EPM: SADL-based GW-Service 'NW 2013 Dev. Sce | S_EPM_SADL_GW_DEV_SCEN_RO_SRV | | ✓ | | | |
| REP | ZSAMPLE_EPM_EMPLOYEE_LIST | 1 Sample employee list service based on EPM | SAMPLE_EPM_EMPLOYEE_LIST | /UIZ/ | ✓ | | | |
| REP | ZSAMPLE_EPM_POWL_CACHED | 1 Sample POWL for APPLID EPM_POWL (customizn | SAMPLE_EPM_POWL_CACHED | /UIZ/ | ✓ | | | |
| REP | ZSAMPLE_EPM_POWL_CODED | 1 Sample POWL for APPLID EPM_POWL (ABAP code) | SAMPLE_EPM_POWL_CODED | /UIZ/ | ✓ | | | |
| REP | ZSAMPLE_EPM_POWL_CUST | 1 Sample POWL for APPLID EPM_POWL (customizn | SAMPLE_EPM_POWL_CUST | /UIZ/ | ✓ | | | |
| REP | ZSAMPLE_POWL_SFLIGHT_ALL | 1 Sample flight service based on POWL framework | SAMPLE_POWL_SFLIGHT_ALL | /UIZ/ | ✓ | | | |
| REP | ZSAMPLE_POWL_SFLIGHT_ALL | 1 Sample flight service based on POWL framework | SAMPLE_POWL_SFLIGHT_ALL | /UIZ/ | ✓ | | | |

5. Click the **Local Object** button and continue to activate the service.

The OData service is activated and the status turns **green**.

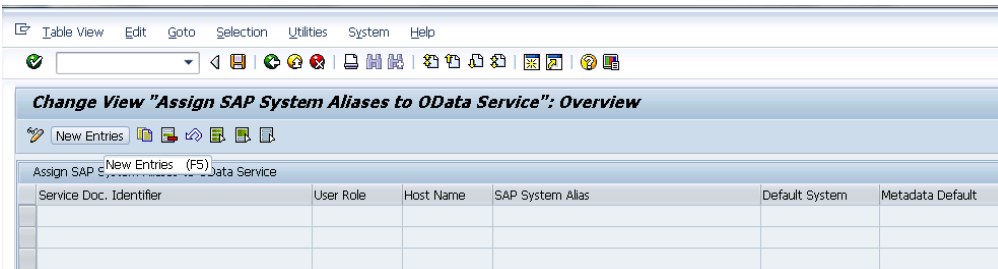
Figure 2-5 Service Status

| Type | Technical Service Name | Service Description | External Service Name | Namespace | OAut. | Soft State | Status | Is SAP Service |
|------|-------------------------------|---|-------------------------------|-----------------|----------|------------|---------------|----------------|
| REP | ZPAGEBUILDER_SERVICE_V_0_1 | 1 Gateway Data Provider: Pagebuilder v0.1 (DB) | PAGEBUILDER_SERVICE_V_0_1 | /UIZ/ | ✓ | | | |
| REP | ZPP_PRODOPS_CONFIRM_SRV | 1 Confirm Production Order Operation | PP_PRODOPS_CONFIRM_SRV | /UIZ/ | ✓ | | | |
| REP | ZQUICKVIEW | 1 Quickview Service | QUICKVIEW | /UIZ/ | ✓ | | | |
| REP | /INVCEC/RACE_SRV | 1 Global Extensions | RACE_SRV | /INVCEC/ | ✓ | | | |
| REP | ZMITSAMPLEFLIGHT | 1 OData Channel - Reference SFlight Data Provider | BMITSAMPLEFLIGHT | /IWFND/ | ✓ | | | |
| REP | ZMITSAMPLEFLIGHT_2 | 1 OData Channel - Reference SFlight Data Provider | BMITSAMPLEFLIGHT_2 | /IWBEP/ | ✓ | | | |
| REP | RSOA_ODATA_SRV | 1 Tlogo and Bookmark access via Odata | RSOA_ODATA_SRV | | ✓ | | Not Supported | |
| REP | S_EPM_SADL_GW_DEV_SCEN_RO_SRV | 1 EPM: SADL-based GW-Service 'NW 2013 Dev. Sce | S_EPM_SADL_GW_DEV_SCEN_RO_SRV | | ✓ | | | |
| REP | ZSAMPLE_EPM_EMPLOYEE_LIST | 1 Sample employee list service based on EPM | SAMPLE_EPM_EMPLOYEE_LIST | /UIZ/ | ✓ | | | |
| REP | ZSAMPLE_EPM_POWL_CACHED | 1 Sample POWL for APPLID EPM_POWL (customizn | SAMPLE_EPM_POWL_CACHED | /UIZ/ | ✓ | | | |
| REP | ZSAMPLE_EPM_POWL_CODED | 1 Sample POWL for APPLID EPM_POWL (ABAP code) | SAMPLE_EPM_POWL_CODED | /UIZ/ | ✓ | | | |
| REP | ZSAMPLE_EPM_POWL_CUST | 1 Sample POWL for APPLID EPM_POWL (customizn | SAMPLE_EPM_POWL_CUST | /UIZ/ | ✓ | | | |
| REP | ZSAMPLE_POWL_SFLIGHT_ALL | 1 Sample flight service based on POWL framework | SAMPLE_POWL_SFLIGHT_ALL | /UIZ/ | ✓ | | | |
| REP | SEPM_HANA_EXT_PAL_ODATA_SRV | 1 SEPM_HANA_EXT_PAL_ODATA | SEPM_HANA_EXT_PAL_ODATA_SRV | | ✓ | | Not Supported | |
| REP | ZSM_CATALOG_SRV | 1 Social Media Remote Catalog OData Service | SM_CATALOG_SRV | | ✓ | | | |

| Status | ICF Node | Session Time-out | Soft State | Description |
|--------|----------|------------------|------------|---------------|
| | ODATA | 00:00:00 | | Standard Mode |

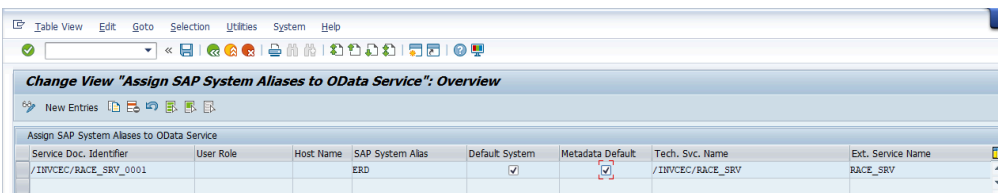
6. Click **Add System Alias** above **System Aliases** on the right to add the SAP System alias for the selected service.
7. Click **New Entries**.

Figure 2-6 New Entries for System Alias



8. Assign the System Alias (ERD in this case) for the service and save changes.

Figure 2-7 Assign SAP System Alias to Service



9. For the below mWorkOrder services, follow the above steps (1-8).

| Service | Technical Service Name |
|---------------------|----------------------------|
| Work Order | /INVMWO/MWORKORDER_SRV |
| Equipment | /INVMWO/MWOEQUIPMENT_SRV |
| Functional Location | /INVMWO/MWOFUNLOCATION_SRV |
| Attachments | /INVMWO/MWOATTACHMENTS_SRV |

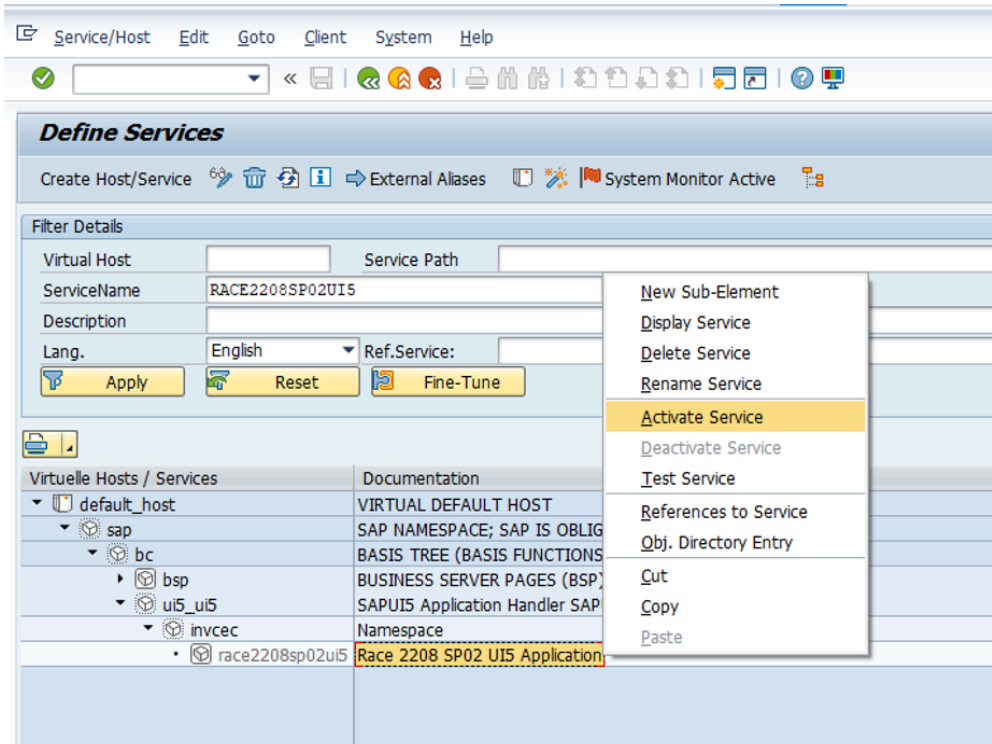
2.5.2. Activate UI5 Service

Activate UI5 Service once you have activated RACE™ and mWorkOrder OData Services.

To activate UI5 Service:

1. Go to the transaction code SICF and navigate to **/default_host/sap/bc/ui5_ui5/ invcec/ race2208sp02ui5**.
2. Right-click **RACE 2208 SP02 UI5** and click **Activate Service**.

Figure 2-8 Activate RACE BSP Service



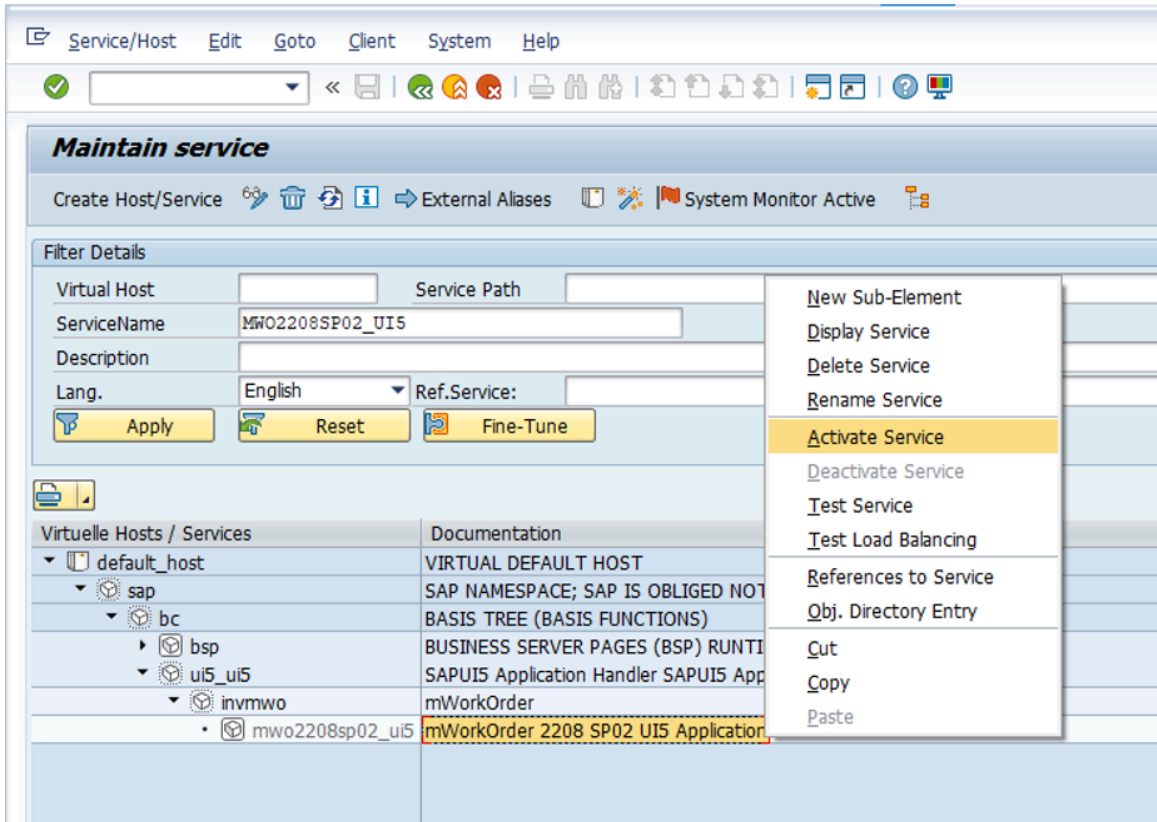
3. Click **Yes**.

Access the SAPUI5 web application by replacing the host name, port number and client number in the following template's URLs to match your SAP NetWeaver Gateway instance: **http://<hostname>:<port_number>/sap/bc/ui5_ui5/invcec/race2208sp02ui5/index.html?sap-client=100**



Note:

To activate the mWorkOrder UI5 service, follow the above steps (1-3).



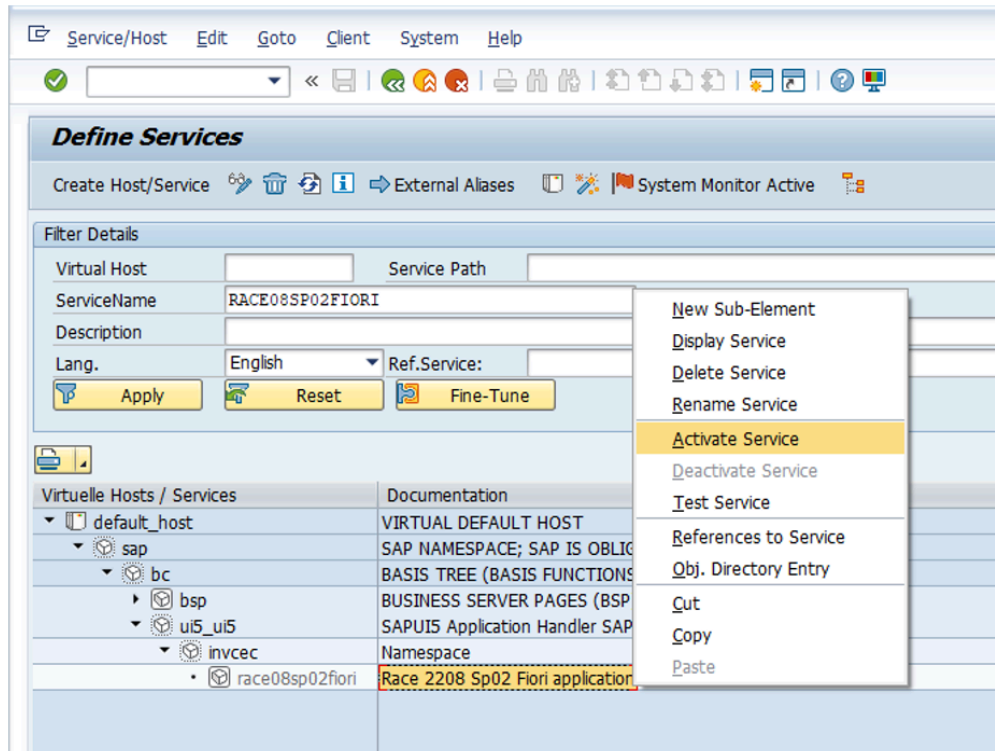
2.5.3. Activate FIORI Service

Activate FIORI service after you have activated UI5 service.

To activate FIORI Service:

1. Go to the transaction code SICF and navigate to **/default_host/sap/bc/ui5_ui5/invcec/race08sp02fiori**.
2. Right-click **RACE 2208 SP02 FIORI** and click **Activate Service**.

Figure 2-9 Activate RACE FIORI Service

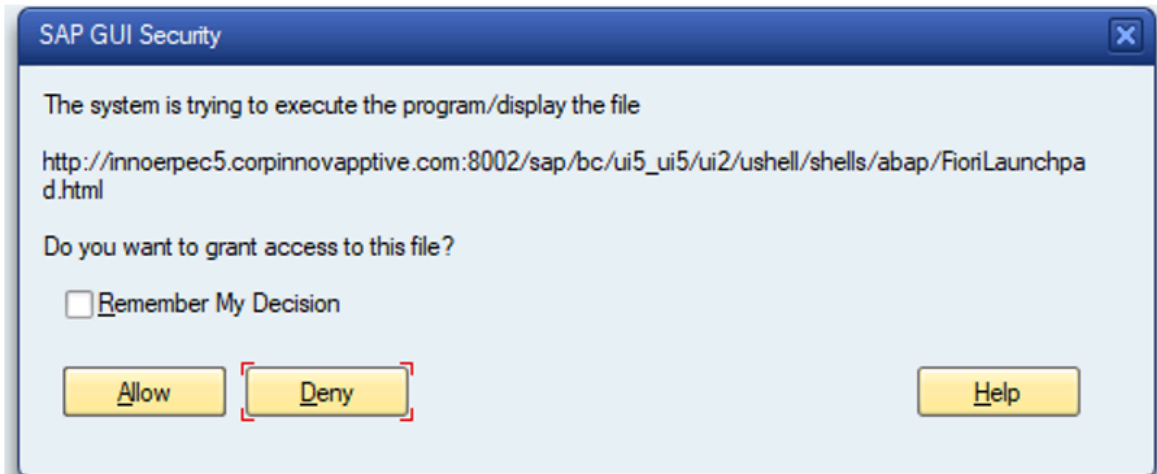


3. Click **Yes**.

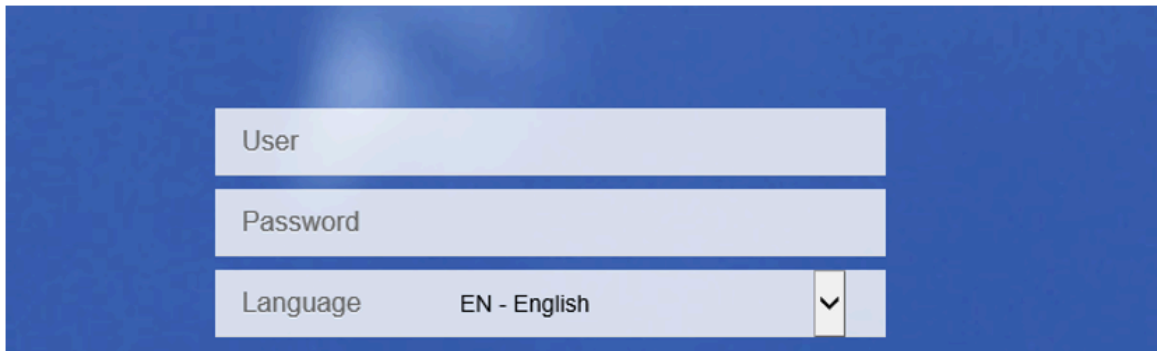
Access the SAP Fiori web application by transaction code **/N/UI2/FLP**. You are redirected to the below template URLs to match your SAP NetWeaver Gateway instance:


- `http://<hostname>:<port_number>/sap/bc/ui5_ui5/invcec/race08sp02fiori/index.html?sap-client=100`

4. Click **Allow**.



5. The steps to assign the catalog or group to the role are as follows:
6. On the login page, provide the credentials to login.



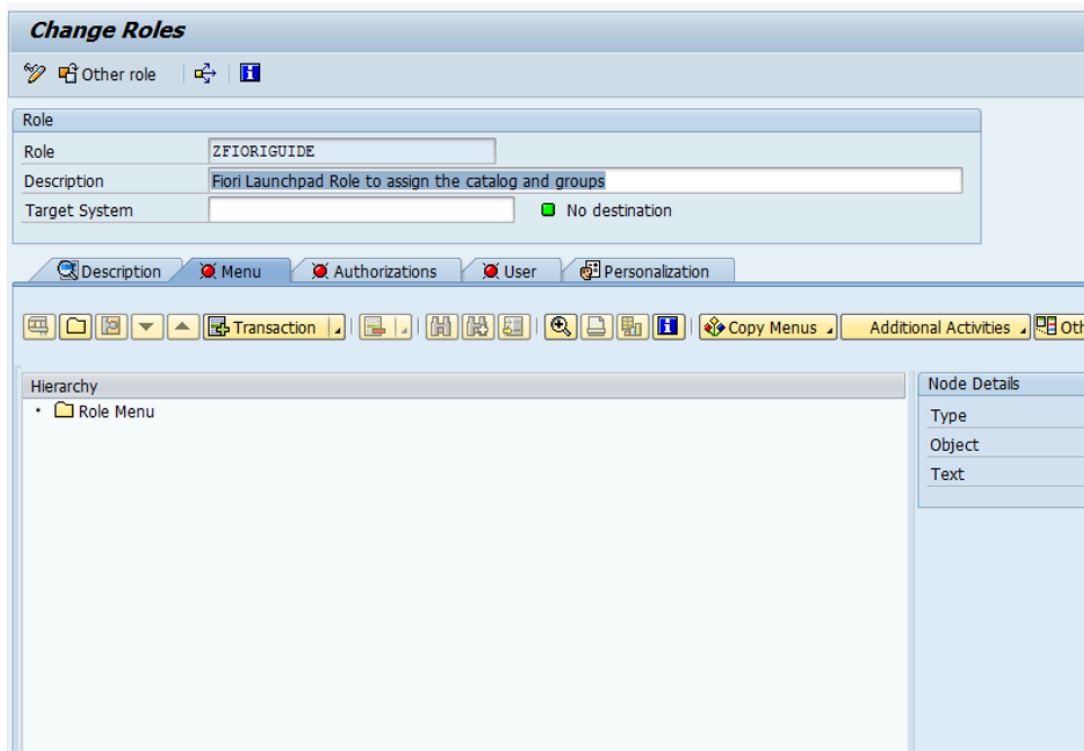
 **Note:**

The logged in user can see only assigned application tiles.

Our team will share Tile & catalog transports along with products add-ons.

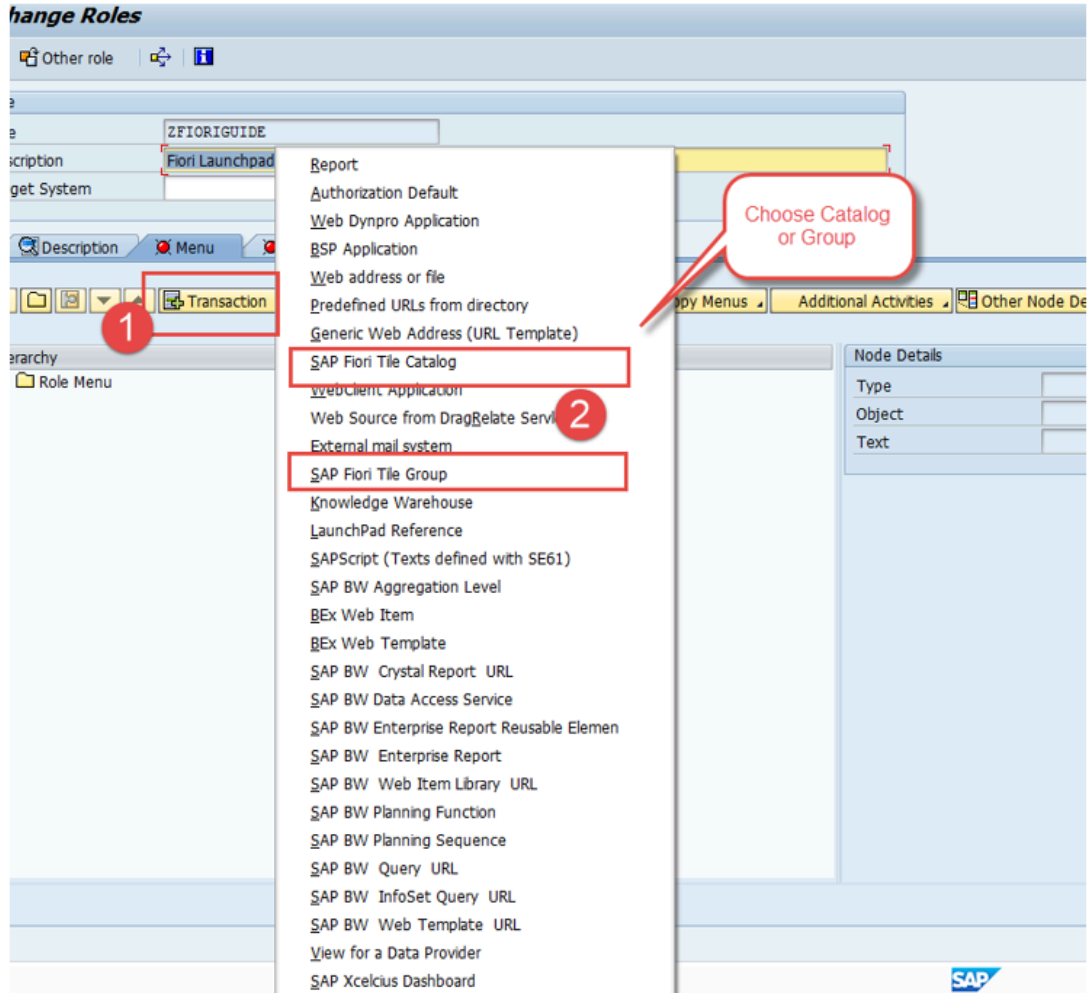
7. The steps to assign the catalog or group to the role are as follows:

- a. Log on to Gateway SAP system and call the transaction PFCG.

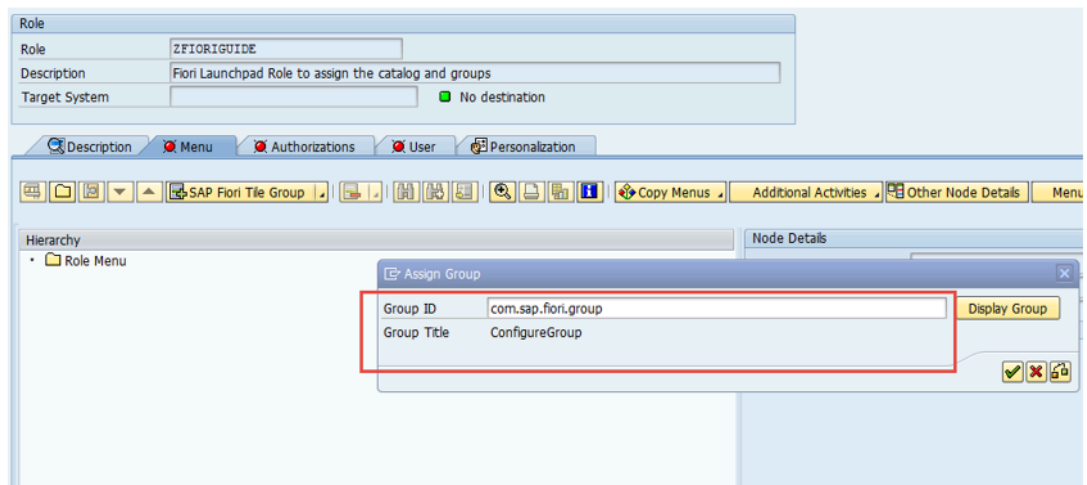


- b. In the Role menu, click on the button with plus symbol and select the option to either add a tile catalog or tile group.

| 2 - Install mWorkOrder



c. Provide the catalog / group name and submit.

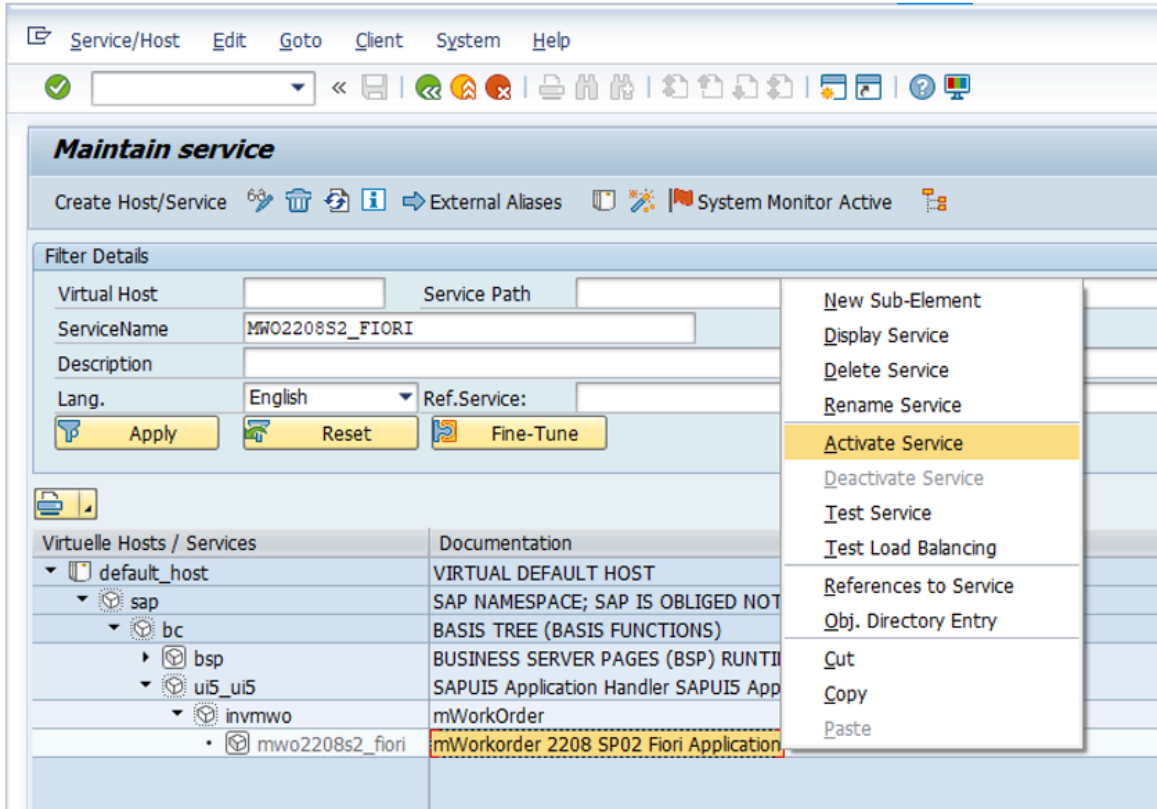


d. Save the changes to the role.



Note:

To activate the mWorkOrder Fiori service, follow the above steps (1-5).

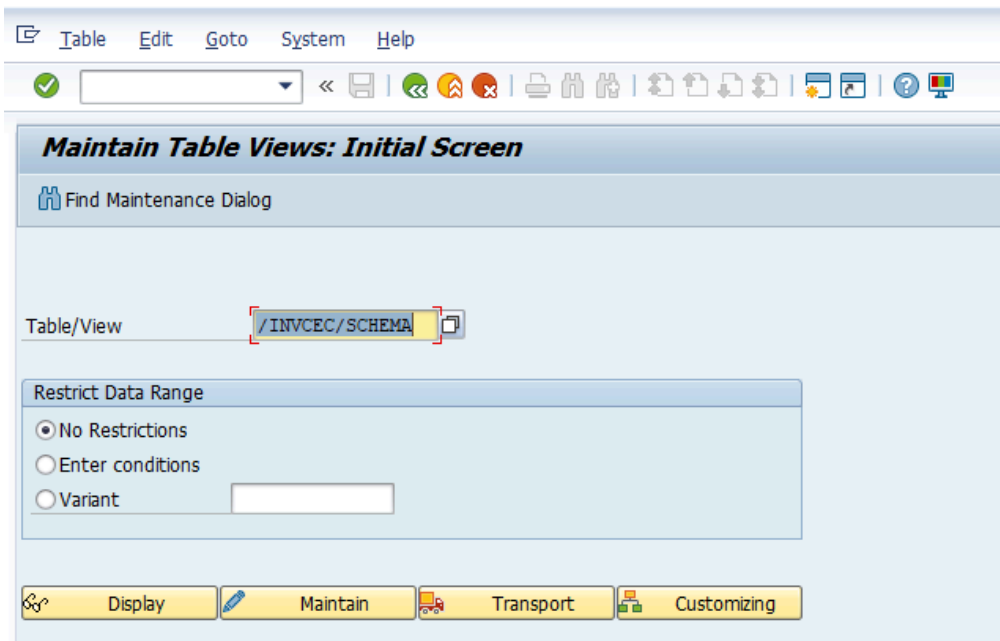


3. Check Schema Change Indicator

After importing support packs into the systems, perform the following steps to check the Schema Change Indicator.

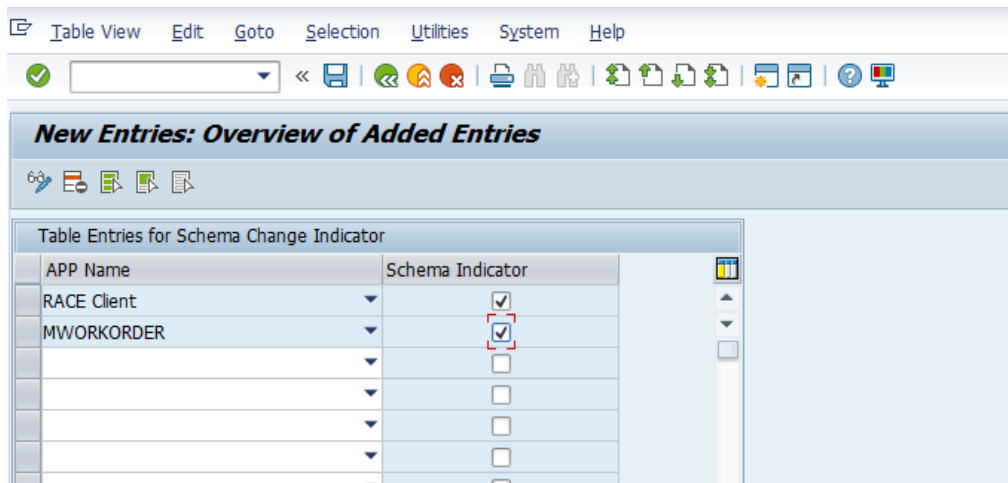
1. Login to SAP Gateway system.
2. Go to **tcode – SM30**.

Figure 3-1 SM30



3. Click **Maintain**.
4. Click **New Entries**.

Figure 3-2 Table Entries for Schema Change Indicator



5. Select RACE™ Client and mWorkOrder from App Name drop-down and select **Schema Indicator** checkbox.
6. Save the changes in Transport Request to move the changes to Quality and Production environment.

Table 3-1 Schema Details

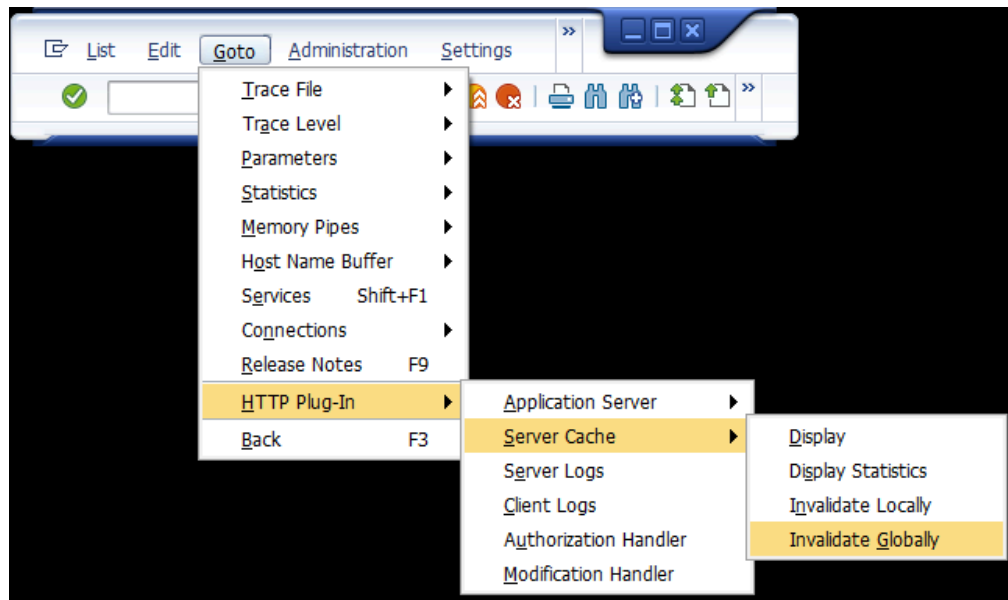
| Base URL | Old Schema | New Schema |
|------------------------------|------------------------------|------------------|
| /INVCEC/RACE_SRV | /INVCEC/RACE_SRV | RACECLIENT |
| /INVMWO/MWORKORDER_SRV | /INVMWO/MWORKORDER_SRV | MWORKORDER |
| /INVMWO/MWOEQUIPMENT_SRV | /INVMWO/MWOEQUIPMENT_SRV | MWOEQUIPMENT |
| /INVMWO/MWOFUNLOCATION_SRV | /INVMWO/MWOFUNLOCATION_SRV | MWOFUNLOCATION |
| /INVMWO/WOATTACHMENTS_SRV | /INVMWO/WOATTACHMENTS_SRV | MWOATTACHMENTS |
| /INVMWO/MWOOPERATORROUND_SRV | /INVMWO/MWOOPERATORROUND_SRV | MWOOPERATORROUND |

4. Clean SAP Gateway Cache

Clean up the SAP Gateway Cache after importing support packs into the systems.

1. Login to SAP Gateway system.
2. Go to transaction `/n/iwfnf/cache_cleanup` in the gateway system.
3. Select the **Cleanup Cache for all Models** checkbox and click **Execute**.
4. Go to transaction `/n/iwbep/cache_cleanup` in the gateway system.
5. Select the **Cleanup Cache for all Models** checkbox and click **Execute**.
6. Go to transaction `smicm` in the gateway system.
7. Navigate to **Goto, HTTP Plugin, Server Cache** and **Invalidate Globally** option.

Figure 4-1 smicm transaction



8. Click **Yes**.

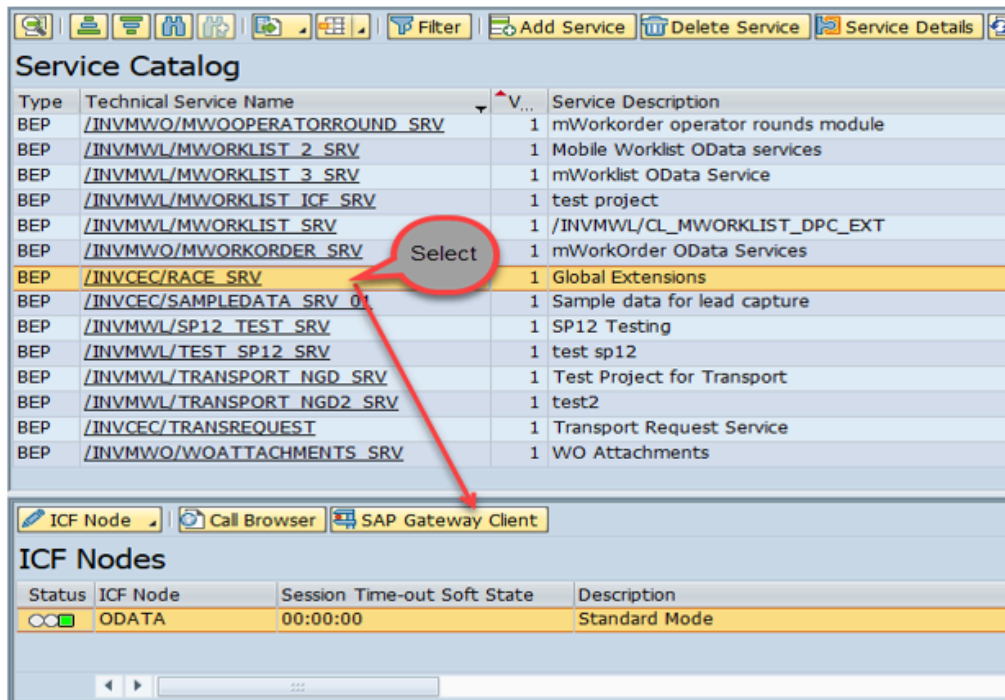
Validate SAP Gateway Cache Cleanup

1. Navigate to t-code: `/n/iwfnf/maint_service`

In HUB systems this step should be done in Gateway system

2. Filter **Technical Service Name** with `/INV*` to view the Innovapptive specific services.
3. Click each service & click **SAP Gateway Client**.

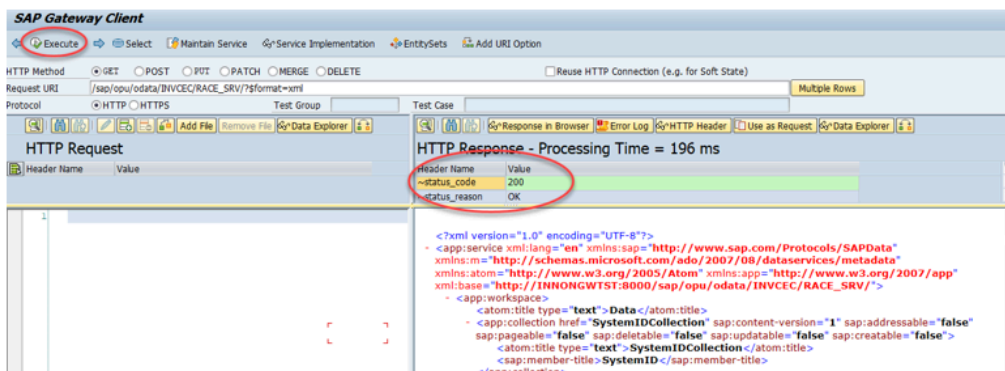
Figure 4-2 Validate Clean up of each service



4. Click **Execute** in the next screen.

You should see the value 200 in green.

Figure 4-3 Validate Clean up

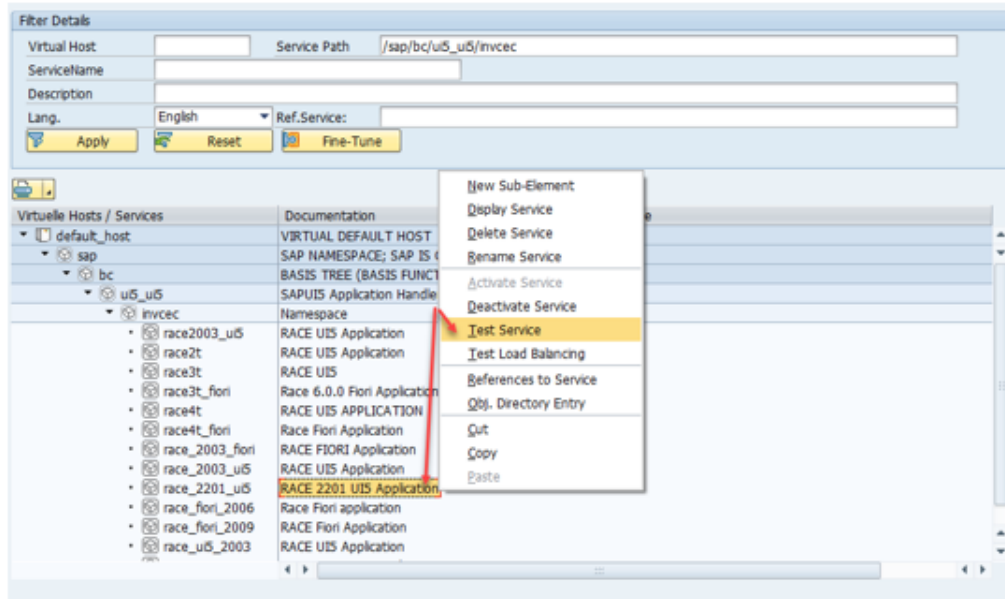


5. Navigate to t-code SICF: **/sap/bc/ui5_ui5/invcec/**

In the following steps you will validate RACE UI5 Application

6. Click **Test Service**.

Figure 4-4 Validate Clean up

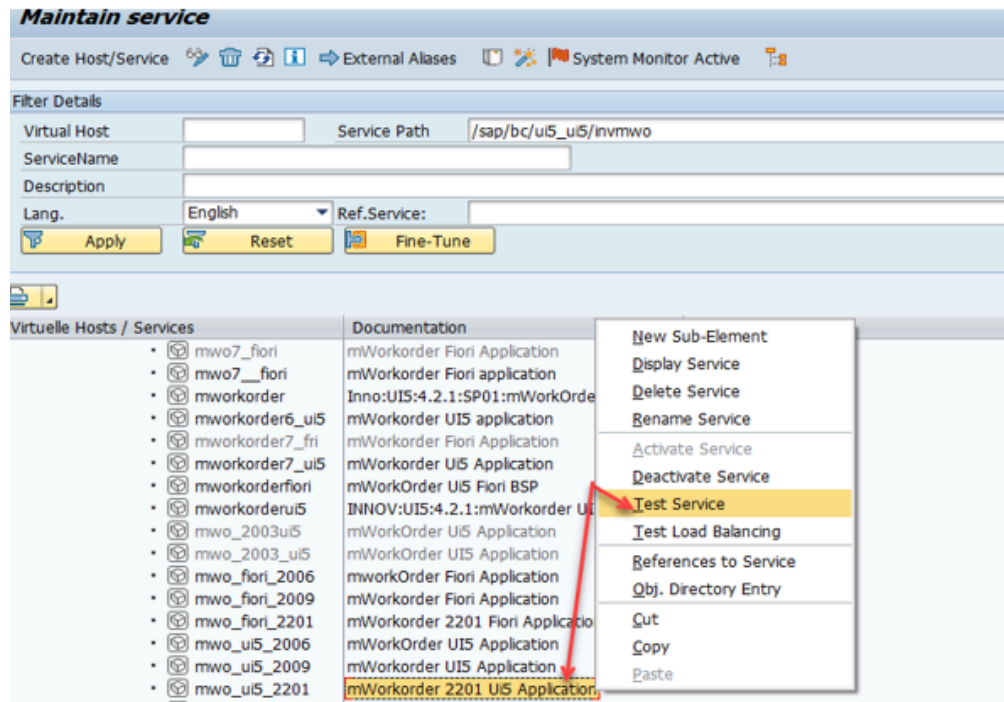


7. Enter user credentials in the RACE Screen (Gateway for HUB Systems) and authenticate.

| 4 - Clean SAP Gateway Cache

8. Share the URL with the Innovapptive team. If there is web dispatcher, prefix the host and port to the path. For example, https://instst.testing.com:44100/sap/bc/ui5_ui5/incc/race_2203_ui5
9. Test **UI 5 application**.

Figure 4-5 Validate Clean up



10. Share the URL with the Innovapptive team. If there is web dispatcher, prefix the host and port to the path. For example, https://instst.testing.com:44100/sap/bc/ui5_ui5/invmwo/mwo_ui5_2203

5. Configure SAP Gateway for mWorkOrder

Plant maintenance workers can use mWorkOrder solution to do the following:

- Download work orders to mobile devices, view workorder history and assigned activities,
- Access asset information to facilitate diagnosis and repair, and issue and return parts
- Log timesheets, view documents, add images and attachments.
- Create personalized to-do lists that include the specific details for a task.
- Capture labor information accurately using start, stop, and pause controls.
- Print workorder reports with an ease.

5.1. Prerequisites for SAP Gateway Configuration

Ensure these components are installed and configured:

- Dependency
 - Innovapptive Add-Ons and Support Packs are installed successfully.
- Assumptions
 - The backend processes required for the app are enabled and related data is set up.
 - The Innovapptive mWorkOrder mobile solution Add-on for SAP ECC and SAP NetWeaver Gateway are installed and validated.
 - Mobile platform (SAP Mobile Platform or SAP Cloud Platform mobile services) is configured with the mobile application.

The mWorkOrder mobile solution helps you do the following with SAP Plant Maintenance (PM) module.

- Work Orders
 - Create Work Order
 - Create Emergency Work Order
 - Change Work Order
 - Release and Complete Work Order
 - Time Confirmation of Work Order Operation
 - Overall Completion Confirmation
 - Component Issue
 - Component Issue Reversal
 - Configurable Dashboard—Work Orders

- Notifications
 - Create Notification
 - Create Follow-up Notification
 - Change Notification
 - Complete Tasks and Activities
 - Complete Notification
 - Configurable Dashboard—Notifications
- Equipment
 - Create Equipment
 - Modify Equipment
 - Display Equipment
 - Create a Notification
 - Create a Work Order
 - Equipment Dashboard
- Functional Locations
 - Create Functional Location
 - Modify Functional Location
 - Display Functional Location
 - Create a Notification
 - Create a Work Order
- Time Sheets
 - Create Time Sheet
 - Change Time Sheet
 - Display Time Sheet
- Measuring Points
 - Rounds processing
 - Measurement Readings
 - Measurement Document creation
- Inspection Lots
 - Inspection Lot display and Characteristics overview
 - Results Recording
- Usage Decisions
 - View Results
 - Usage Decisions

5.2. Configure screens based on Order Types and Notification Types

Configure screens or tabs based on Plant Maintenance Work Order Types or Notification Types.

1. In SAP NetWeaver Gateway, run T-Code **/n/INVMWO/SCRCONFI**. Table is **/INVMWO/SCRCONFI**.
2. Add the following entries:

Figure 5-1 Screens based on Document Type - Notifications

Display View "Screen configuration based on Document Types": Overview

| Screen configuration based on Document Types | | | | | |
|--|---------------|-----------|-------------------------|--------------------------|--------------|
| Module Name | Document Type | Screen ID | Description | Screen Name | Offline Sync |
| NOTIFICATION | M1 | NO_AC | Corrective Notification | Notification Activities | True |
| NOTIFICATION | M1 | NO_AI | Corrective Notification | Notification Attachments | True |
| NOTIFICATION | M1 | NO_CA | Corrective Notification | Notification Causes | True |
| NOTIFICATION | M1 | NO_GIS | Notification GIS | | True |
| NOTIFICATION | M1 | NO_HD | Corrective Notification | Notification Header | True |
| NOTIFICATION | M1 | NO_HI | Corrective Notification | Notification History | True |
| NOTIFICATION | M1 | NO_IT | Corrective Notification | Notification Items | True |
| NOTIFICATION | M1 | NO_TS | Corrective Notification | Notification Tasks | True |
| NOTIFICATION | M2 | NO_AC | Breakdown Notificati | Notification Activities | True |
| NOTIFICATION | M2 | NO_AI | Breakdown Notificati | Notification Attachments | True |
| NOTIFICATION | M2 | NO_CA | Breakdown Notificati | Notification Causes | True |
| NOTIFICATION | M2 | NO_HD | Breakdown Notificati | Notification header | True |
| NOTIFICATION | M2 | NO_HI | Corrective Notification | Notification History | True |
| NOTIFICATION | M2 | NO_IT | Corrective Notification | Notification Items | True |
| NOTIFICATION | M2 | NO_TS | Corrective Notification | Notification Tasks | True |
| NOTIFICATION | S1 | NO_AC | Corrective Notification | Notification Activities | True |
| NOTIFICATION | S1 | NO_AI | Corrective Notification | Notification Attachments | True |
| NOTIFICATION | S1 | NO_CA | Corrective Notification | Notification Causes | True |
| NOTIFICATION | S1 | NO_HD | Corrective Notification | Notification Header | True |

Figure 5-2 Screens based on Document Type - Work Orders

Display View "Screen configuration based on Document Types": Overview

| Screen configuration based on Document Types | | | | | |
|--|---------------|-----------|-------------------|--------------------------|--------------|
| Module Name | Document Type | Screen ID | Description | Screen Name | Offline Sync |
| WORKORDER | EM01 | WOHIER | Hierarchy | Hierarchy | True |
| WORKORDER | EM01 | WO_AI | Maintenance Order | Work Order Attachments | True |
| WORKORDER | EM01 | WO_CO | Maintenance Order | Work Order Components | True |
| WORKORDER | EM01 | WO_GIS | Work Order GIS | | True |
| WORKORDER | EM01 | WO_HD | Maintenance Order | Work Order Header | True |
| WORKORDER | EM01 | WO_HI | Maintenance Order | Work Order History | True |
| WORKORDER | EM01 | WO_OP | Maintenance Order | Work Order Operations | True |
| WORKORDER | EM01 | WO_PL | Maintenance Order | Work Order Planning view | True |
| WORKORDER | EM01 | WO_SG | Work Order Form | Work Order Form | True |
| WORKORDER | EM02 | WOHIER | Hierarchy | Hierarchy | True |
| WORKORDER | EM02 | WO_AI | Maintenance Order | Work Order Attachments | True |
| WORKORDER | EM02 | WO_CO | Maintenance Order | Work Order Components | True |
| WORKORDER | EM02 | WO_HD | Maintenance Order | Work Order Header | True |
| WORKORDER | EM02 | WO_HI | Maintenance Order | Work Order History | True |
| WORKORDER | EM02 | WO_OP | Maintenance Order | Work Order Operations | True |
| WORKORDER | EM02 | WO_PL | Maintenance Order | Work Order Planning View | True |
| WORKORDER | EM06 | WOHIER | Hierarchy | Hierarchy | True |
| WORKORDER | EM06 | WO_AI | Maintenance Order | Work Order Attachments | True |
| WORKORDER | EM06 | WO_CO | Maintenance Order | Work Order Components | True |
| WORKORDER | EM06 | WO_HD | Maintenance Order | Work Order Header | True |

Table 5-1 Screen attributes

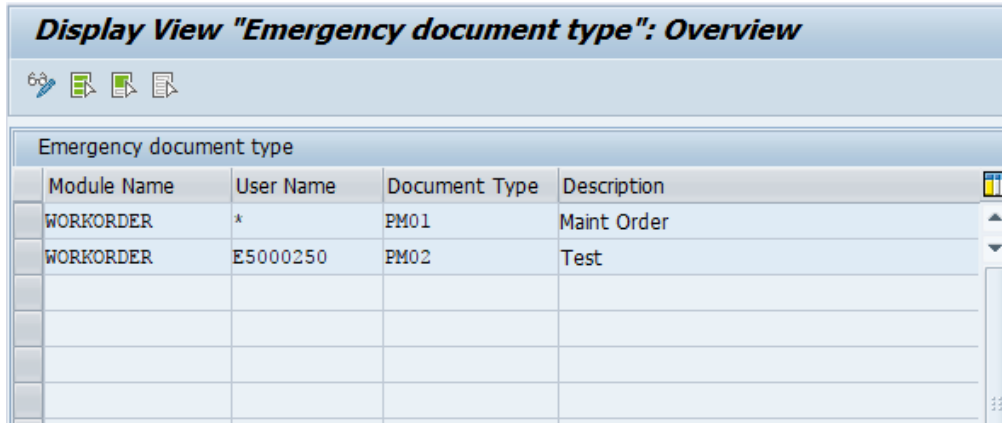
| Field | Description |
|---------------|---|
| Module Name | Module in the mobile app like Notification or Work Order for which the Document Type is configured. |
| Document Type | Document Type (Work Order Type/Notification Type) for use on the mWorkOrder Mobile App. |
| Screen ID | Unique ID of the screen for the Document Type . |
| Description | Description of the Document Type . |
| Screen Name | Description to identify the Screen. |
| Offline Sync | To show/hide screen on the mobile application. |

5.3. Configure Plant Maintenance Emergency Order Types

To configure plant maintenance emergency work order types:


1. In SAP ECC, run T-Code **/n/INVMWO/EMGDOC**. Table is **/INVMWO/EMGDOC**.
2. Add the following entries:

Figure 5-3 Emergency Document Type



| Emergency document type | | | | |
|-------------------------|-----------|---------------|-------------|--|
| Module Name | User Name | Document Type | Description | |
| WORKORDER | * | PM01 | Maint Order | |
| WORKORDER | E5000250 | PM02 | Test | |
| | | | | |
| | | | | |
| | | | | |

Table 5-2 Emergency Order Document Type Attributes

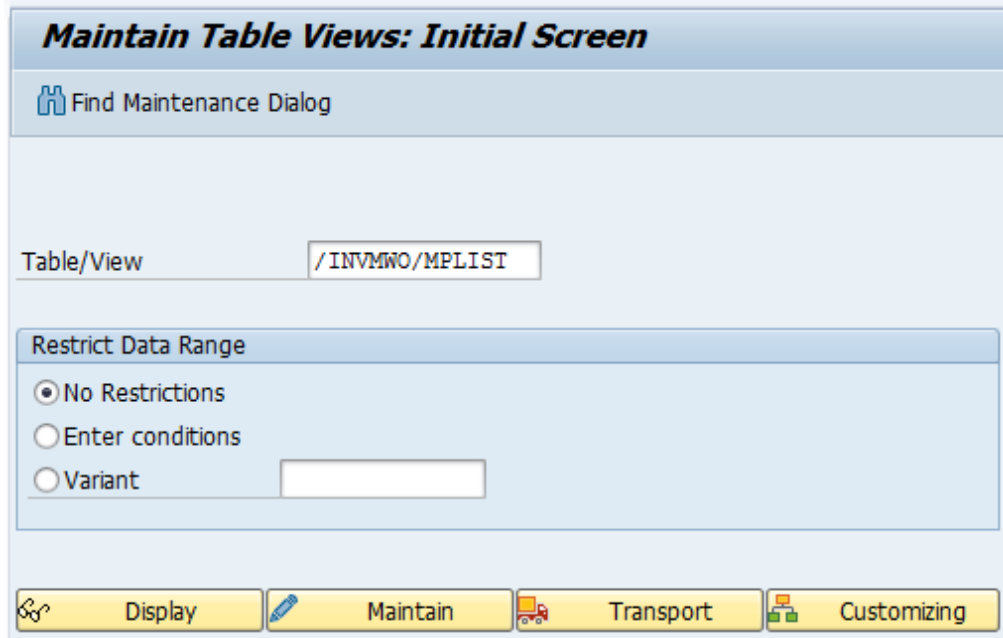
| Field | Description |
|---------------|---|
| Module Name | Name of the module where the Document Type is configured. |
| User Name | User to whom the Document Type is available in the application. <div style="border: 1px solid #0070C0; border-radius: 10px; padding: 10px; background-color: #E6F2FF;"> <p> Note: It is recommended to configure this field as '*' so that the Document Type is available to all the users.</p> </div> |
| Document Type | Indicates the Document Type like Work Order Type. |
| Description | Description of the Document Type. |

5.4. Map Measuring Entry List to Mobile User

To map measuring entry list to users:

1. In SAP ECC, run SM30. Give the Table Name as /INVMWO/MPLIST.
2. Click **Maintain**.

Figure 5-4 SM30



3. Click **New Entries** and maintain new entries. Entry List is the Readings Task List and Reading Taken by is the Mobile user to whom the Task List will be assigned and sent to capture Readings.

Figure 5-5 Measurement Reading Lists Assignment

Change View "Measurement Reading Lists Assignment": Overview

New Entries [Icons]

| Entry list | Reading take... | Description |
|------------|-----------------|-------------|
| 116 | WLTEST1 | |
| 117 | WLTEST1 | |
| 118 | WLTEST1 | |
| 120 | WLTEST1 | |
| 121 | WLTEST1 | |
| 122 | WLTEST1 | |
| 125 | MWORKORDER | |
| 125 | MWORKORDER2 | |
| 125 | WLTEST1 | |
| 126 | KEVINK | |
| 126 | MWORKORDER | |
| 126 | MWORKORDER2 | |
| 127 | MWORKORDER | |
| 127 | MWORKORDER2 | |
| 127 | WLTEST1 | |
| 128 | MWORKORDER | |

5.5. Configure Priority and System Status Color Coding

To configure priority and system status in Work Order and Notification Modules:

1. In SAP ECC, run T-Code SM30. Table is /INVMWO/PRICOLOU.
2. Add the following entries:

Figure 5-6 Priority Color

The screenshot shows the SAP Display View for the table /INVMWO/PRICOLOU. The title is "Display View 'Priority Colour': Overview". Below the title are icons for search, print, and other functions. The main table has the following data:

| App Id | Keys | value | Colour |
|--------|-------|-------|--------|
| APP01 | IPHAS | CRTD | ff0000 |
| APP01 | IPHAS | REL | 6DB580 |
| APP01 | IPHAS | TECO | B0BEC5 |
| APP01 | PRIOK | 1 | 4F5EB0 |
| APP01 | PRIOK | 2 | FBC02D |
| APP01 | PRIOK | 3 | 161e14 |
| APP01 | PRIOK | 4 | B0BEC5 |
| APP01 | PRIOK | 5 | A020F0 |
| APP01 | PRIOK | A | FFA500 |
| APP01 | PRIOK | B | DC5F61 |
| APP01 | PRIOK | C | 6F7BBE |
| APP01 | PRIOK | D | 619DCF |
| APP01 | PRIOK | E | 00A797 |
| APP01 | PRIOK | F | FFA500 |
| APP01 | PRIOK | Z | B0BEC5 |
| APP02 | IPHAS | NOCO | B0BEC5 |
| APP02 | IPHAS | NOPR | 6DB580 |
| APP02 | IPHAS | OSNO | E8C86E |
| APP02 | PRIOK | 1 | 4F5EB0 |

Table 5-3 Priority and System Status configuration attributes

| Field | Description |
|--------|---|
| App ID | Unique application ID to identify the module where the priority color coding is configured. |
| Key | Standard SAP field (Priority/Status) key to configure color coding. |

| Field | Description |
|--------|---|
| Value | SAP field (Priority/Status) value to configure color coding. |
| Colour | Indicates the hexa decimal code of the color for Priority/Status. |

5.6. Configure Work Order Numbers Color Coding

To configure work order numbers color coding in work order module:

1. In SAP ECC, run T-Code **SM30**. Table is **/INVMWO/WO_CLRCD**.
2. Add the following entries:

Figure 5-7 Work Order Color Coding

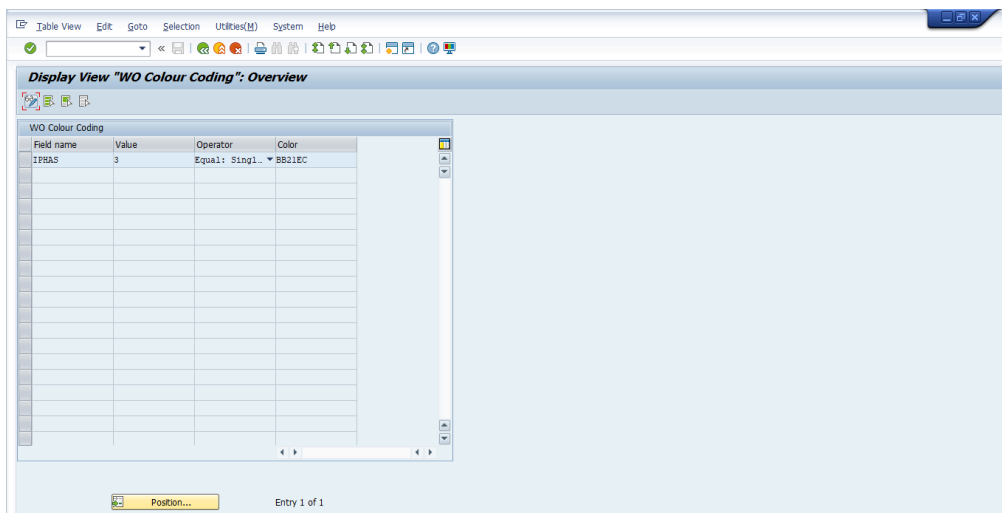


Table 5-4 Work Order Color Coding configuration attributes

| Field | Description |
|------------|-----------------------|
| Field Name | Work Order field key. |

| Field | Description |
|--------------|---|
| Value | Value of the field to be compared. |
| Operator | Formula (<, >, =, ≥, ≤) |
| Color | This field allows you to enter desired color coding for Work Order Numbers. Use the HTML color codes to define the Work Order Number colors. |

5.7. Configure DMS Document Object Links

To configure DMS document object links:

1. In SAP ECC, run T-Code `/n/INVMWO/OBJLINK`. Table is `/INVMWO/OBJLINK`.
2. Add the following entries:

Figure 5–8 DMS Document Object Links

| Module Name | SAP object | Active |
|--------------------|------------|-------------------------------------|
| EQUIPMENT | EQUI | <input checked="" type="checkbox"/> |
| FUNCTIONALLOCATION | IFLOT | <input checked="" type="checkbox"/> |
| WORKORDER | CRVS_B | <input checked="" type="checkbox"/> |
| WORKORDER | EQUI | <input checked="" type="checkbox"/> |
| WORKORDER | IFLOT | <input checked="" type="checkbox"/> |
| WORKORDER | IMPTT | <input checked="" type="checkbox"/> |
| WORKORDER | MARA | <input checked="" type="checkbox"/> |

Table 5–5 DMS Document Object Links attributes

| Field | Description |
|-------------|---|
| Module Name | Name of the module where the object link is configured. |
| SAP Object | Source field to configure DMS document object link. |
| ACTIVE | To enable/disable the object link. |

5.8. Configure staging table for Equipment and Functional Location master

Learn how to configure staging table for standard tables of Equipment and Functional Location master.

This process is applicable only if the Scoping ID **APPSTG** is enabled in RACE™.

To configure staging table:

1. In SAP ECC, run T-Code **/n/INVMWO/EQ_STG**.
2. Enter selection criteria and execute.

Figure 5-9 Equipment Selection Criteria

| Equipment List | | | |
|--------------------------|----------------------|----|----------------------|
| Equipment | <input type="text"/> | to | <input type="text"/> |
| Equipment description | <input type="text"/> | to | <input type="text"/> |
| Status | AVLB | to | <input type="text"/> |
| Equipment category | <input type="text"/> | to | <input type="text"/> |
| Type of Technical Object | <input type="text"/> | to | <input type="text"/> |
| Functional Location | <input type="text"/> | to | <input type="text"/> |
| Main work center | <input type="text"/> | to | <input type="text"/> |
| Created on | <input type="text"/> | to | <input type="text"/> |
| Created by | <input type="text"/> | to | <input type="text"/> |
| Maintenance Plant | 1000 | to | <input type="text"/> |
| Location | <input type="text"/> | to | <input type="text"/> |
| Plant Section | <input type="text"/> | to | <input type="text"/> |
| Work Center | MECHANIK | to | <input type="text"/> |
| ABC indicator | <input type="text"/> | to | <input type="text"/> |
| Sort field | <input type="text"/> | to | <input type="text"/> |
| Business Area | <input type="text"/> | to | <input type="text"/> |
| Cost Center | <input type="text"/> | to | <input type="text"/> |
| Planning plant | 1000 | to | <input type="text"/> |
| Planner group | <input type="text"/> | to | <input type="text"/> |
| Main Asset Number | <input type="text"/> | to | <input type="text"/> |
| Superordinate Equipment | <input type="text"/> | to | <input type="text"/> |

3. Entries are shown in these tables:
 - a. /INVMWO/EQ_HIERA
 - b. /INVMWO/EQ_MEASU
 - c. /INVMWO/EQ_H_SUB
 - d. /INVMWO/EQ_LIST
 - e. /INVMWO/EQ_HEADR
 - f. /INVMWO/EQ_GEOLC
 - g. /INVMWO/EQ_CLSIT
 - h. /INVMWO/EQ_CLSHD
 - i. /INVMWO/EQ_PRTNR

Figure 5-10 Equipment Hierarchy table

Data Browser: Table /INVMWO/EQ_HIERA Select Entries 31

| EQUNR | EQQTX | HEQUI | HEQUI_TXT | MATNR | MAKTX | MENGE | MEINS | FLAG | LA_FLAG | TPLNR | SNO |
|----------|-------|----------|-----------|-------|-------|-------|-------|------|---------|----------------|-----|
| 10008892 | | 10000470 | | | | 0,000 | | | | | 1 |
| 10008895 | | | | | | 0,000 | | X | X | 1000-100-AB-02 | 1 |
| 10008897 | | | | | | 0,000 | | X | | CF1-A309-0026 | 1 |
| 10009900 | | | | | | 0,000 | | X | | CF1-A309-0027 | 1 |
| 10009901 | | | | | | 0,000 | | X | | CF1-A309-0028 | 1 |
| 10009902 | | | | | | 0,000 | | X | | 1000-101-AB-07 | 1 |
| 10009904 | | | | | | 0,000 | | X | | 1000-100-AB-11 | 1 |
| 10009905 | | | | | | 0,000 | | X | | 1000-100-AB-11 | 1 |
| 10009906 | | 10003557 | | | | 0,000 | | | | | 1 |
| 10009907 | | | | | | 0,000 | | X | X | 1000-100-AB-13 | 1 |
| 10009908 | | 10009907 | | | | 0,000 | | | X | | 1 |
| 10009909 | | | | | | 0,000 | | X | X | 1000-100-AB-14 | 1 |
| 10009910 | | | | | | 0,000 | | X | | CF1-A309-0029 | 1 |
| 10009911 | | | | | | 0,000 | | X | | CF1-A309-0030 | 1 |
| 10009912 | | | | | | 0,000 | | X | X | 1000-100-AB-19 | 1 |
| 10009915 | | | | | | 0,000 | | X | | 2108-AUT | 1 |
| 10009918 | | | | | | 0,000 | | X | | CF1-A309-0031 | 1 |
| 10009919 | | | | | | 0,000 | | X | | CF1-A309-0032 | 1 |
| 10009920 | | | | | | 0,000 | | X | | CF1-A309-0033 | 1 |
| 10009921 | | | | | | 0,000 | | X | | CF1-A309-0034 | 1 |
| 10009922 | | | | | | 0,000 | | X | | CF1-A309-0035 | 1 |
| 10009923 | | | | | | 0,000 | | X | | CF1-A309-0036 | 1 |
| 10009924 | | | | | | 0,000 | | X | | CF1-A309-0037 | 1 |
| 10009925 | | | | | | 0,000 | | X | | CF1-A309-0038 | 1 |
| 10009927 | | | | | | 0,000 | | X | | CF1-A309-0039 | 1 |
| 10011273 | | | | | | 0,000 | | X | | CF1-A309-0041 | 1 |

4. In SAP ECC, run T-Code **/n/INVMWO/FL_STG**.
5. Enter selection criteria and execute.

Figure 5-11 Functional Location Selection Criteria

Functional Location Expand for Staging Table

| | | | | |
|------------------------------|----------------------|----|----------------------|--|
| Functional Location | <input type="text"/> | to | <input type="text"/> | |
| Description of functional lo | <input type="text"/> | to | <input type="text"/> | |
| Functional location category | <input type="text"/> | to | <input type="text"/> | |
| Main Work Center | MECHANIK | to | <input type="text"/> | |
| Type of Technical Object | <input type="text"/> | to | <input type="text"/> | |
| Status | <input type="text"/> | to | <input type="text"/> | |
| Created on | <input type="text"/> | to | <input type="text"/> | |
| Created by | <input type="text"/> | to | <input type="text"/> | |
| Maintenance Plant | 1000 | to | <input type="text"/> | |
| Location | <input type="text"/> | to | <input type="text"/> | |
| Plant Section | 100 | to | <input type="text"/> | |
| Work Center | <input type="text"/> | to | <input type="text"/> | |
| ABC indicator | <input type="text"/> | to | <input type="text"/> | |
| Sort field | <input type="text"/> | to | <input type="text"/> | |
| Business Area | 1000 | to | <input type="text"/> | |
| Cost Center | <input type="text"/> | to | <input type="text"/> | |
| Planning plant | 1000 | to | <input type="text"/> | |
| Planner group | <input type="text"/> | to | <input type="text"/> | |
| Main Asset Number | <input type="text"/> | to | <input type="text"/> | |
| WBS Element | <input type="text"/> | to | <input type="text"/> | |
| Construction type | <input type="text"/> | to | <input type="text"/> | |
| Authorization group | <input type="text"/> | to | <input type="text"/> | |

6. Entries are shown in these tables:

- a. /INVMWO/FL_IFLO
- b. /INVMWO/FL_HI_DE
- c. /INVMWO/FCHEADER
- d. /INVMWO/FL_HIER
- e. /INVMWO/FL_MEAS
- f. /INVMWO/NOTF_GEO

Figure 5-12 Functional Location table

Data Browser: Table /INVMWO/FL_IFLO Select Entries 89

| TPLNR | PLTXT | TPLKZ | FLTYP | IWERK | LGWID | INGRP | STTXT | FLTTX | STTXU | EXTENSION | ARBPL | LABELS | HERST |
|----------------|----------------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-----------|----------|---------------------|------------------|
| 1000-100-AB-01 | Production Area | A | | 1000 | | 100 | | | | | MECHANIK | ("entries":{("TP... | Fgh1 |
| 1000-100-AB-02 | Functional location edit | A | | 1000 | | 100 | | | | | MECHANIK | | motors 12 |
| 1000-100-AB-03 | Functional offline1 | A | | 1000 | | 100 | | | | | MECHANIK | | ABC.co |
| 1000-100-AB-04 | Suppository packing line | A | | 1000 | | | | | | | MECHANIK | | Moto |
| 1000-100-BA-01 | REGULATOR STATION R1000 | A | | 1000 | | | | | | | | | |
| 1000-100-PS-41 | Technical Spec | A | | 1000 | | | | | | | MECHANIK | | BMW |
| 2108-AUT | Automation Servers & Hubs | A | | 1000 | | 100 | | | | | | | Automation Serve |
| 2108-BLK | Bulk Storage | A | | 1000 | | 100 | | | | | ELEKTRIK | | |
| 2108-BLK-CH | Bulk Chemical Storage1 | A | | | | | | | | | | | Automation serve |
| DL-EH | Primary Substation EHALLANDALE 1 | WD101 | | 1000 | | | | | | | | | |
| DL-EH-01 | Sub EHALLANDALE - Feeder EHALL 1 | WD101 | | 1000 | | | | | | | | | |
| DL-EH-01-S01 | THE DIPLOMAT 1 | WD101 | | 1000 | | | | | | | | | |
| DL-EH-01-S02 | THE DIPLOMAT 2 | WD101 | | 1000 | | | | | | | | | |
| DL-EH-01-S03 | THE DIPLOMAT 3 | WD101 | | 1000 | | 103 | | | | | ITSERV | | |
| DL-EH-01-S04 | THE DIPLOMAT 4 | WD101 | | 1000 | | | | | | | | | |
| DL-EH-01-S05 | THE DIPLOMAT 5 | WD101 | | 1000 | | | | | | | | | |
| DL-EH-01-S06 | THE DIPLOMAT 6 | WD101 | | 1000 | | | | | | | | | |
| DL-EH-01-S07 | THE DIPLOMAT 7 | WD101 | | 1000 | | | | | | | | | |
| DL-EH-01-S08 | THE DIPLOMAT GOLF RESORT | WD101 | | 1000 | | | | | | | | | |
| DL-EH-02 | Sub EHALLANDALE - Feeder EHALL 2 | WD101 | | 1000 | | 100 | | | | | MECHANIK | | teil |
| DL-EH-02-P01 | PS3345 | WD101 | | 1000 | | 100 | | | | | MECHANIK | | |
| DL-EH-02-P02 | PS3346 | WD101 | | 1000 | | 100 | | | | | MECHANIK | | |
| DL-EH-02-P03 | PS3347 | WD101 | | 1000 | | 100 | | | | | MECHANIK | | |
| DL-EH-02-P04 | PS3348 | WD101 | | 1000 | | 100 | | | | | MECHANIK | | |
| DL-EH-02-P05 | PS3349 | WD101 | | 1000 | | 100 | | | | | MECHANIK | | |



Note:

Update the tables with background scheduled jobs regularly.

- Configure these filters in RACE™, to filter and populate data in the staging table when no value is entered for a field in the selection screen (/INVMWO/FM_EQ_EXPAND_STG).

| Master | Filter |
|---------------------|---------------|
| Equipment | EQSTG_FILTERs |
| Functional Location | FLSTG_FILTERs |

- Configure these when using Staging process:

Table 5-6 Staging Configuration

| Master | Filter | Table Name |
|---------------------|--------------|------------------|
| Equipment | EQSTG_FILTER | /INVMWO/EQ_LIST |
| Functional Location | FLSTG_FILTER | /INVMWO/FCHEADER |



Note:

Data is filtered only for the fields in tables /INVMWO/FCHEADER and /INVMWO/EQ_LIST.

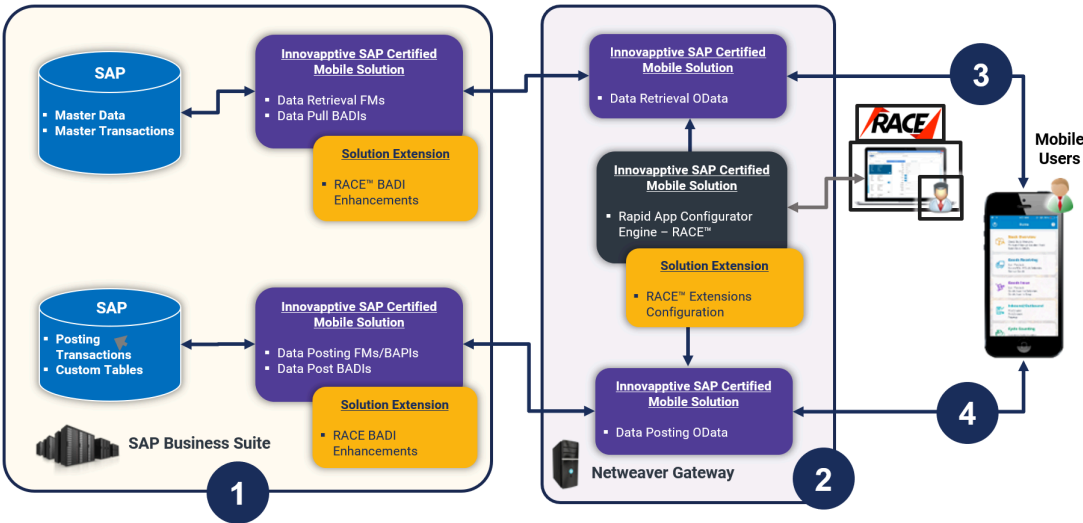
6. Configure RACE™ for mWorkOrder

Innovapptive’s Connected Workforce Platform™ uses built-in integrations to connect your SAP®, IBM Maximo, and other back-office systems with mobile applications. This helps organizations bridge communication and information gaps between executive teams, field technicians, plant operators, warehouse operators, maintenance engineers, and back-office staff. Connect data points across cloud and on-premise networks to quickly and easily.

- Draw powerful insights
- Identify cost-savings opportunities
- Make calculated business decisions
- Respond quickly to trends or problems

To align our solutions with your operations, we built a Rapid App Configuration Engine (RACE™) directly into our mobile Connected Workforce Platform. This sophisticated configuration toolkit gives developers and non-developers complete freedom to customize mobile environments without any coding experience.

Figure 6-1 RACE™ Architecture



Deployment ecosystem consists of the following:

1. **SAP ECC Integration Component (SAP Certified Add-On in Innovapptive Namespace):**

This SAP-certified add-on is developed on ABAP. You can deploy this add-on on SAP ECC through an Add-On Package. You can make enhancements to this through BADI by developing those enhancements in ABAP. This add-on helps you manage Data retrieval and do posting to BAPI's or Function Modules.

2. **SAP NetWeaver Integration Component with OData Web Services:** Developed on ABAP and OData and offered as an SAP Certified Add-On. This add-on is deployed through an Add-On Package on SAP NetWeaver. You can make enhancements through RACE Configurations. This add-on helps manage the OData integration components (i.e. OData Web Services) to interface with the mobile app. The RACE™ Add-On has both the front-end components and the back-end data tables for the RACE™ Lite Configuration tool.

3. **Native App Client + Desktop Web App:** Application front-end solutions are offered on all three major mobile OS as a native application that can run on tablets and smartphones.

- iOS – Developed using native iOS (Swift SDK)
- Android – Developed using Android SDK on JAVA
- Windows OS – Developed using Windows development kits.
- Browser based App for desktop – Developed using SAPUI5 technology.

Changes on the application user interface is managed through the RACE™ Lite Admin tool.

4. **Interface between Mobile App and NetWeaver Gateway:** OData Web Services

5. **Interface between NetWeaver Gateway and SAP ECC:** RFC Connection

6.1. Features of RACE™

You can do the following with RACE™ in your mobile application:

- **Enable and Disable features:** Enable or disable modules on the fly; no additional development or deployments efforts.
- **Define Defaults:** Define default device and application values that you use every day at work like Default Plant or the type of peripherals that you use. When you do this, the fields for specifying those values are automatically populated.
- **Manage Filters:** Create, edit, or delete filters to define the transaction records that you want to view across the modules. For example, you can add a date filter for Purchase Orders to restrict a list of Purchase Orders displayed in a list screen.
- **Add/Modify fields:** Add new fields and modify existing field parameters, such as Field Types, UI Label, UI Positions and visibility. Define mandatory, optional or display/hidden fields.
- **Add and customize search criteria:** Add/modify search fields to filter records based on your work requirements.
- **Create modules and screens:** Create new modules and screens to address your specific business requirements.
- **Optimize Performance:** Enable or disable a collection for Offline storage and configure the page size on the list screen using Skip Token.
- **Localization:** Configure the UI labels in the language of your choice to cater to regional language requirements.
- Apply security access capabilities to modules and features.
- Configure security for newly added fields.
- Map newly added fields with SAP fields.

6.2. How to Configure RACE™ for mWorkOrder

RACE™ configurations are provided in spreadsheets. Upload these spreadsheets to your RACE application instance to enable the latest RACE™ features that are developed for mWorkOrder. Contact your Innovapptive representative for the RACE configuration spreadsheets for your release.

When you use the RACE™ preset configuration spreadsheets, you enable all the recommended features / configurations automatically.

Some non-standard features are developed for a few customers. These features are not enabled by default when you import the spreadsheets with configurations. You can enable these features if required by your business.

For detailed information on RACE configurations, see the *Upload Application Configurations Using RACE™* section in the *Configure mWorkOrder using RACE™* document.

7. SAP transactions and tables for mWorkOrder

The following table provides the list of key SAP transactions and tables that are relevant to the mWorkOrder mobile solution.

Table 7-1 SAP Transactions and Tables

| Module Name | Applicable Table | Transaction Code |
|----------------------|------------------------------------|------------------------------------|
| Work Orders | AUFK, AFIH, AFKO, RESB, MARD, MARA | IW31, IW32, IW33, IW34, IW39, |
| | VIAUFKST | IW41, IW42, IW43, IW45, MIGO, MMBE |
| Notifications | QMEL, QMIH | IW21, IW22, IW23, IW29 |
| | QMSM, QMUR | |
| | QMFE, QPCT | |
| Equipment | EQUI, EQUZ | IE01, IE02, IE03, IH08 |
| | EQKT | |
| Functional Locations | IFLO, IFLOT | IL01, IL02, IL03, IH06 |
| | ILOA | |
| Measuring Points | IMPTT | IK01, IK02, IK03, IK11, IK13, IK34 |
| | IMRG | |
| Time Sheets | CATSDB | CAT2 |
| Usage Decisions | QALS | QA03 |
| | QAMV | |
| Inspection Lots | QALS | QA13 |
| | QMFEL | |

8. Create User Groups

Perform the following steps to create user groups (for user persona) in the client box and assign them to respective users.

1. Login to the ECC system.
2. Go to **tcode – SUGR**.
3. Create the following user groups:
 - Planner - /INVMWO/PLAN
 - Supervisor - /INVMWO/SUPR
 - Technician - /INVMWO/TECH
 - Operator - /INVMWO/OPER



Note:

You can create user groups as you require.

4. User groups have to be set up in each box Dev, Quality and Production environment.
5. Map the created user groups with Innovapptive user groups using the table maintenance (Tcode–SM30) /INVMGO/UGRP_MAP in the ECC system.



Note:

You can do only 1:1 mapping. For example, INVMWO/TECH with <Customer/TECH>.

9. View Technician Dashboard

For specific user to view Technician dashboard view, need to maintain below in ECC system:

1. In the **Scoping** section, activate App id **TECH_V**.
2. Maintain user parameter '/INVMWO/TECH_V' with value 'X' in SU01.



Note:

When the above both settings are active then the user is able to view the Technician dashboard. It's just a view and does not impact any data.

10. Maintenance Tables for mWorkOrder

List of tables available for mWorkOrder.

| Environment | Table Name | Usage |
|-------------|---------------------|--|
| Gateway | /INVM-WO/SCR-CONFI | To maintain Screens/Tabs to display in Work Order and Notifications details. |
| ECC | /INVM-WO/DOC-TYPES | To maintain Document types for Work Order and Notifications. |
| ECC | /INVM-WO/EMG-DOC | To maintain Document types for Emergency Work Order creation. |
| Gateway | /IN-VCEC/SOURCE-TYP | To maintain Source types for getting drop down values in RACE extension source type field. |
| Gateway | /IN-VCEC/STORE-TYP | To maintain store types to display DBs progressing bars, while syncing data to application. Note: Without maintaining these store types configuration, sync cannot be processed. |
| Gateway | /IN-VCEC/SYSTEMS | To maintain system destinations for connection between Gateway and EMS. |
| Gateway | /IN-VCEC/SCHEMA | To maintain Schema to overcome backward slash issue with SMP 3.0 SPI6 library. Note: To Maintain Schema configuration, application names should be defined in the RACE at prior. |
| ECC | /INVM-WO/FC-HEADER | To maintain Functional Location data staging table to fetch data into application. |

| | | |
|--------------|----------------------------|---|
| | | Note: To fill data into Functional Location Staging tables, please use program '/INVMWO/FM_FL_EXPAND_STG'. |
| ECC | /INVM- WO/EQ_- HEADR | To maintain Equipment data staging table to fetch data into application. Note: To fill data into Equipment Staging tables, please use program '/INVMWO/FM_EQ_EXPAND_STG'. |
| Gate- way | /IN- VCEC/FIL- TERS | To configure IDs, to get dropdown values for static filters (Like to Configure WOOPRA to apply filter for operation requirement assignment tab). |
| ECC | /INVM- WO/TASK_- RCS | To maintain Task Skip Reason codes while executing rounds. |
| ECC | /INVM- WO/SCAN_- RCS | To maintain Asset scan skip Reason codes while executing rounds. |
| ECC | /INVM- WO/PRI- COLOU | To maintain color codes for objects based on Priority value. |
| ECC | /INVM- WO/OB- J_STAT | To maintain Filters for WOs and NOs based on System Status and User Status combination. |
| Gate- way | /IN- VCEC/CTRL- TYPK | |

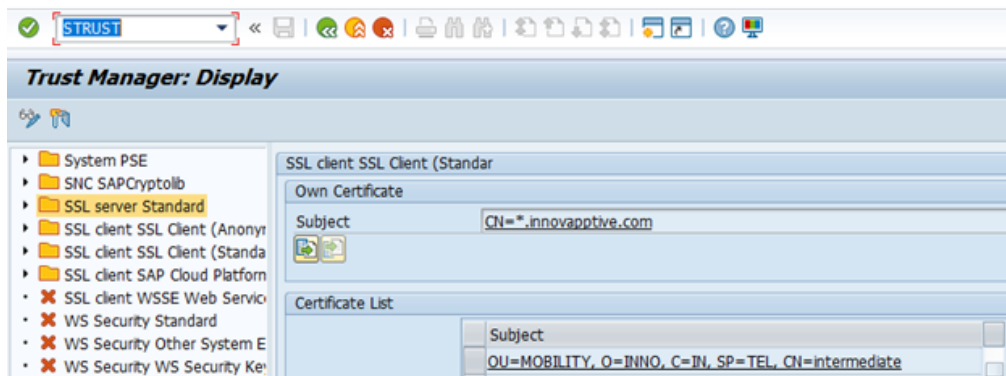
11. Configure Google Maps

Upload the Google certificates to Server and Client standards to access the Maps in the mobile application.

To upload google maps:

1. Login to SAP client.
2. Execute the transaction STRUST.

Figure 11-1 Upload Certificates to Server Standard



3. Upload the following Google certificates to SSL Server Standard:

Figure 11-2 GTS CA 1C3

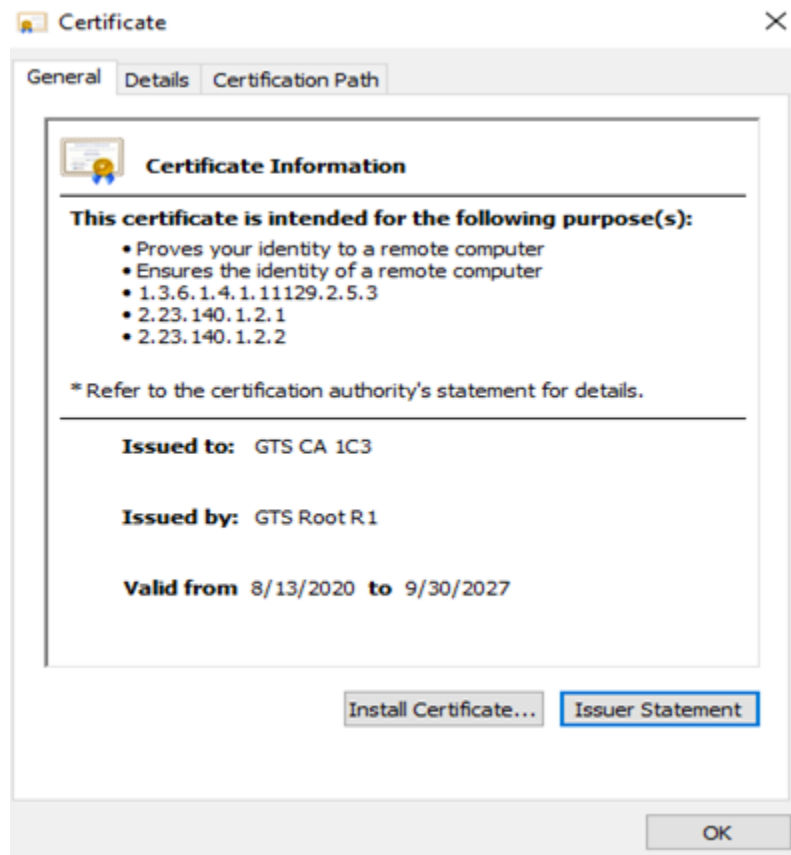
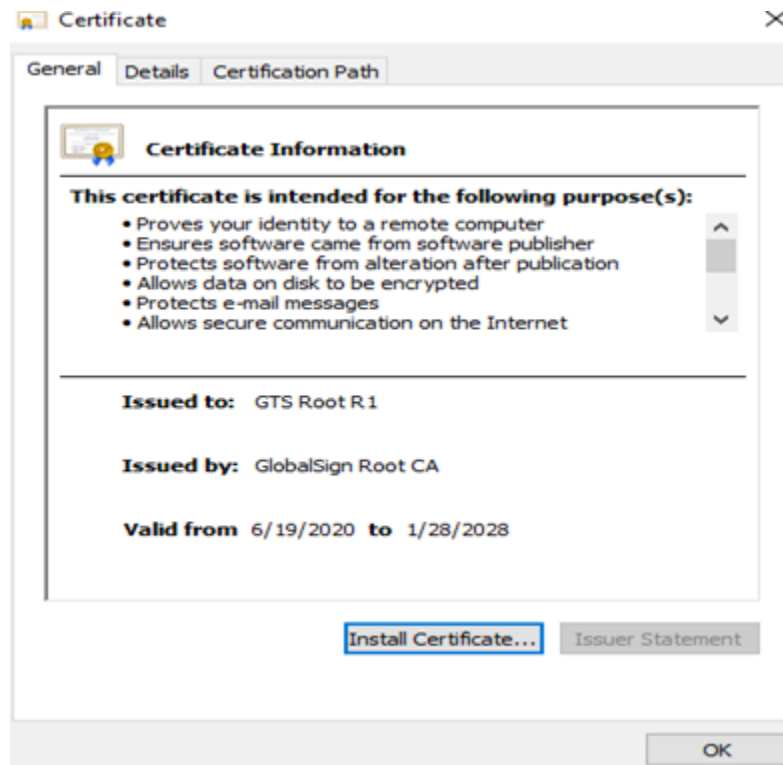
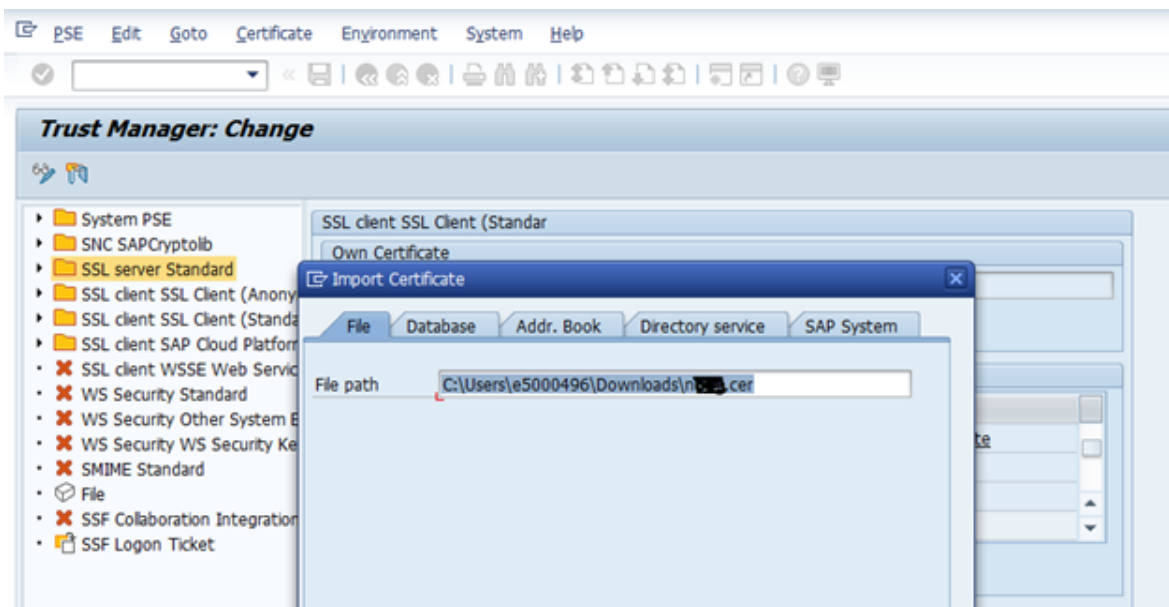


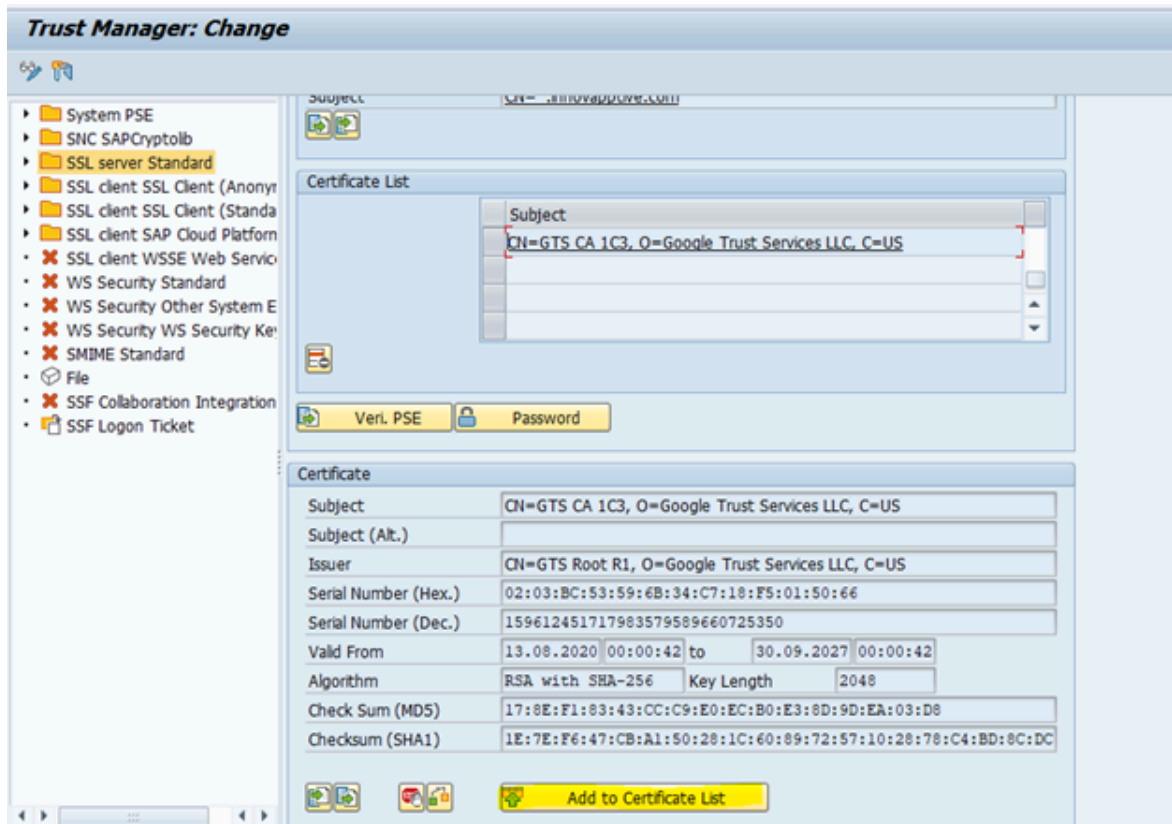
Figure 11-3 GTS Root R1



- Select the **SSL Server Standard** folder on the left side pane.
- Click the **Certificate** button.
- Click the **Import** button and select the above certificates.

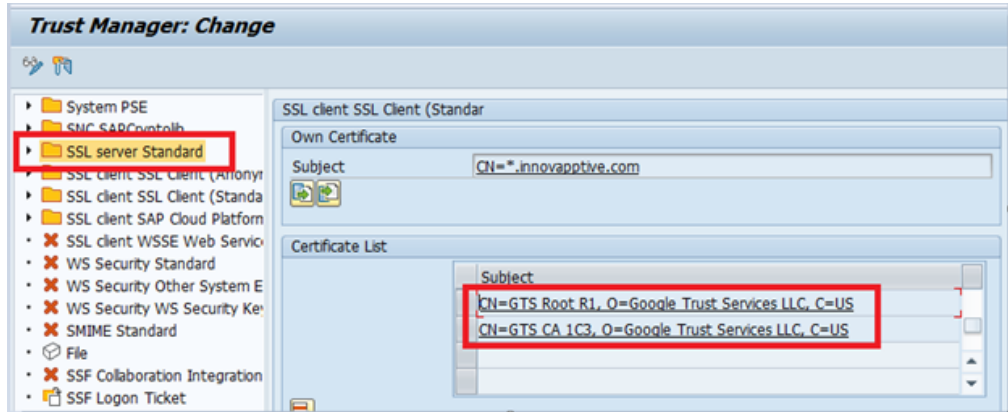


- Click the **Add to Certificate List** button.



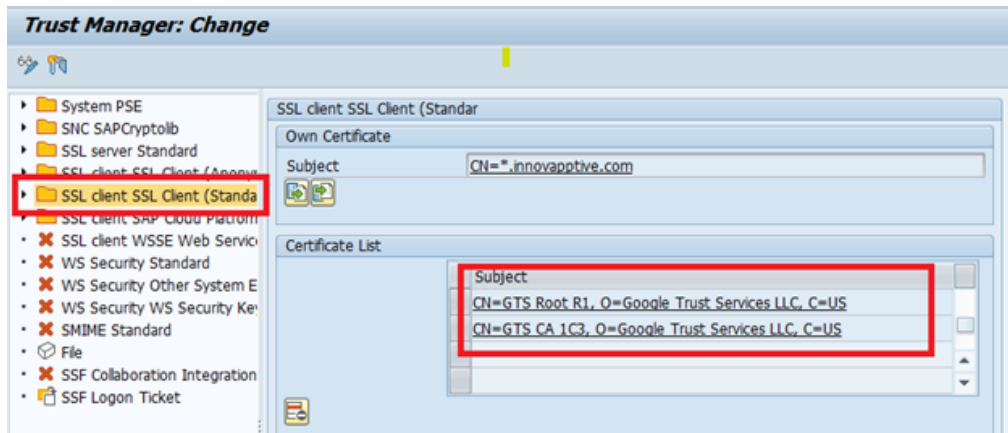
The GTS CA 1C3 and GTS Root R1 certificates are successfully added to SSL Server Standard.

Figure 11-4 Certificates are Added to SSL Server Standard



4. Upload the same certificates into **SSL Client SSL Client (Standard)**.

Figure 11-5 Upload Certificates to Client Standard

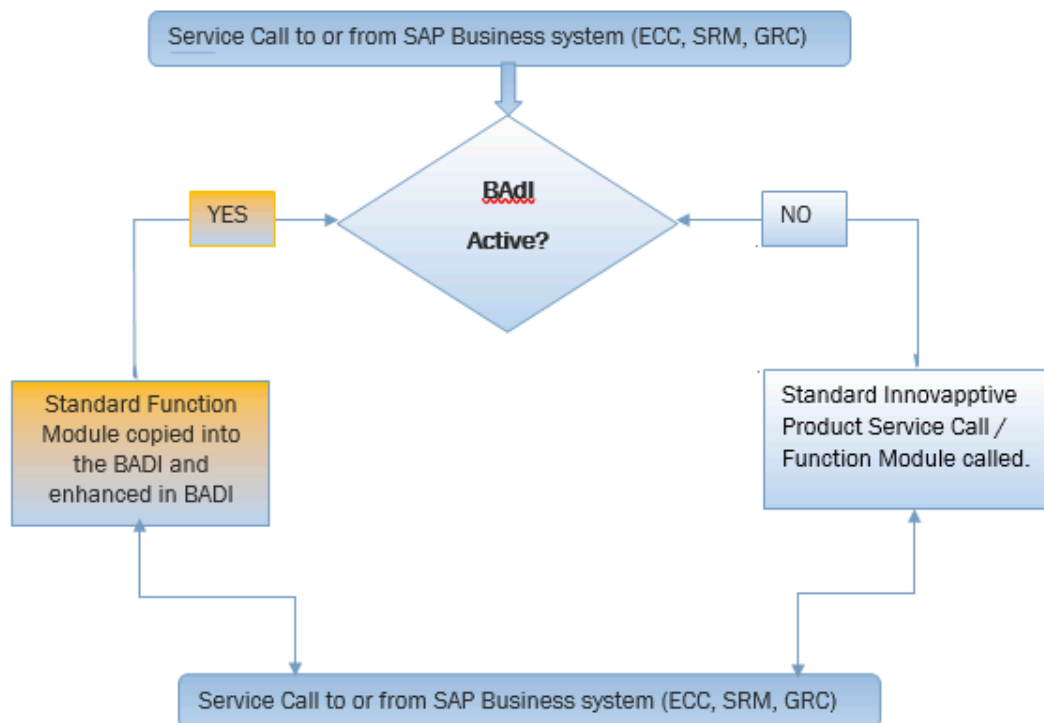


12. Implement BADIs

mWorkOrder uses SAP oDATA based on RESTful design. mWorkOrder performs service calls to read and post data from the SAP Business backend system. These service calls invoke remote enabled function modules in the backend systems to either get or post data depending on the direction of the call. Like Standard SAP code, Innovapptive Add-On code objects cannot be modified in customer systems.

Innovapptive's solution provides the ability for customers to avail additional functionality through BADIs. The enhanced / modified service calls/function modules that are designed to meet special / additional requirements of customers are replaced in the customer environment BADI.

Figure 12-1 BADI Implementation



12.1. Prerequisites for BADI Implementation

Ensure you have the following:

- **Access**

- Access to the ECC system as ABAP Developer.

- **Dependency**

- Installation of ECC and Gateway Add-ons.
- BRD and Fit-GAP analysis has been performed. Gap resolution requires custom enhancement to be performed on the customer SAP system.

- **Assumptions**

- Person who performs the actions outlined has full knowledge and understanding of ABAP Development and has BADIs implementation experience.
- Standard SAP best practices are followed, and the business requirements are documented, the Fit-Gap analysis is performed, FS and TS are documented to ensure that the changes to the standard functionality are done using the SDLC process.
- All changes done in the BADI are owned by the customer and changes and support (during upgrades) are fully owned by the customer as these are enhancements to the Product and thus no longer part of the standard Innovapptive product Add-On code. This is in line with SAP standard methodology, all enhancements/BADIs are fully owned by the customer and need to evaluate during upgrades for impact or adjustments.

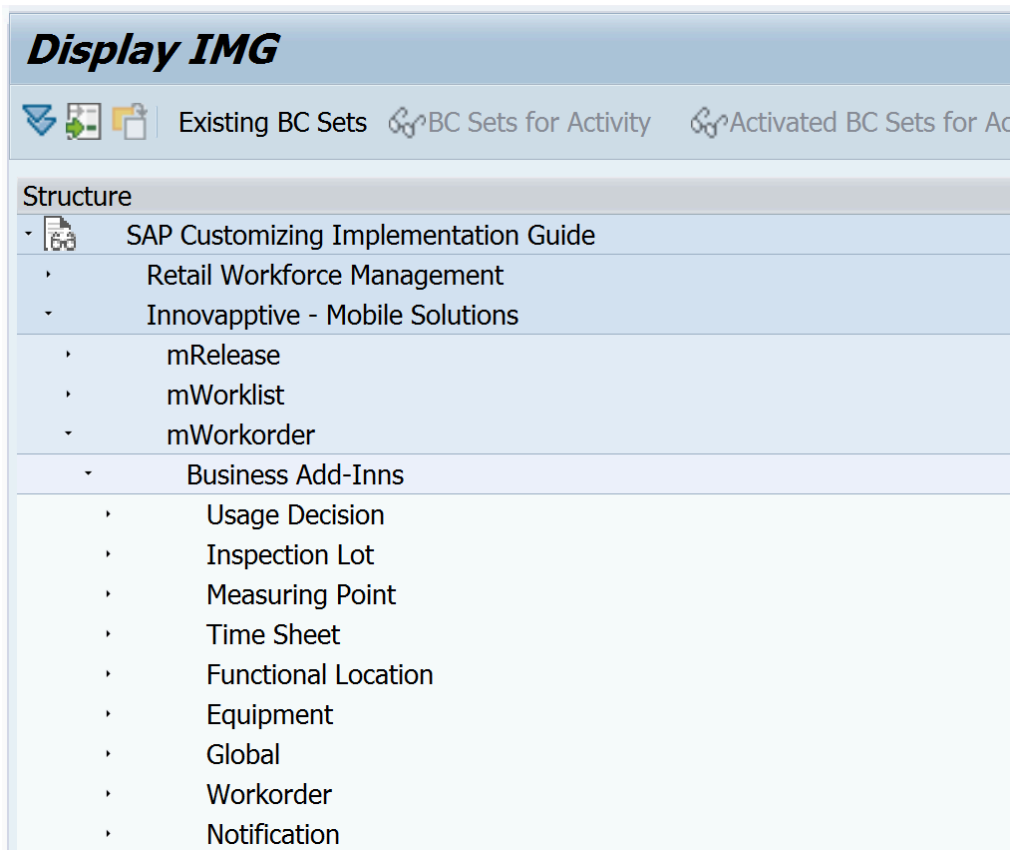
12.2. Activate and Implement BADI

To activate and implement BADI:

1. Log in to SAP.
2. Run transaction SPRO.
3. Click Innovapptive – Mobile Solutions, mWorkOrder and select BADI as shown in the image.

For the list of BADIs available for mWorkOrder, see [List of BADIs for mWorkOrder \(on page 120\)](#).

Figure 12-2 SPRO IMG Structure



4. Click Execute.
5. Alternatively, you can use transaction SE37 and view the function module /INVMWO/BAPI_WO_CONFIG_DB. This FM is related to service call that gets WorkOrder Configurable Dashboard.

Figure 12-3 FM: /INVMWO/BAPI_WO_CONFIG_DB

```

421 |-----*
422 | * Badi Ref Object Declaration
423 | *-----*
424 | DATA : lo_badi_woconfigdb TYPE REF TO
425 | /invmwo/badi_woconfigdb.
426 |
427 |
428 | ** Check condition for initial BADI
429 | GET BADI lo_badi_woconfigdb.
430 | IF lo_badi_woconfigdb IS BOUND.
431 | TRY.
432 | CALL BADI lo_badi_woconfigdb->woconfigdb
433 | EXPORTING
434 |     it_cockpit      = it_cockpit
435 |     it_filter       = it_filters
436 |     im_skip        = im_skip
437 |     im_top         = im_top
438 |     it_ui_labels   = lt_ui_labels
439 | CHANGING
440 |     et_list        = et_list
441 |     ev_skiptoken   = ev_skiptoken
442 |     return         = return.
443 | CATCH cx_badi_not_implemented.           "#EC_NO_HANDLER
444 | ENDMETHOD.
445 | ELSE.

```

6. Search the function module with the string GET BADI
7. Click GET BADI

| Program/Enhancement | Found locs/short description |
|-----------------------------|----------------------------------|
| /INVMWO/LMWORKORDER_WOFGU39 | 429 GET BADI lo_badi_woconfigdb. |

8. Double-click the BADI to navigate to the SE18 transaction

Figure 12-4 SE18

```

] *-----*
  * Badi Ref Object Declaration
  *-----*

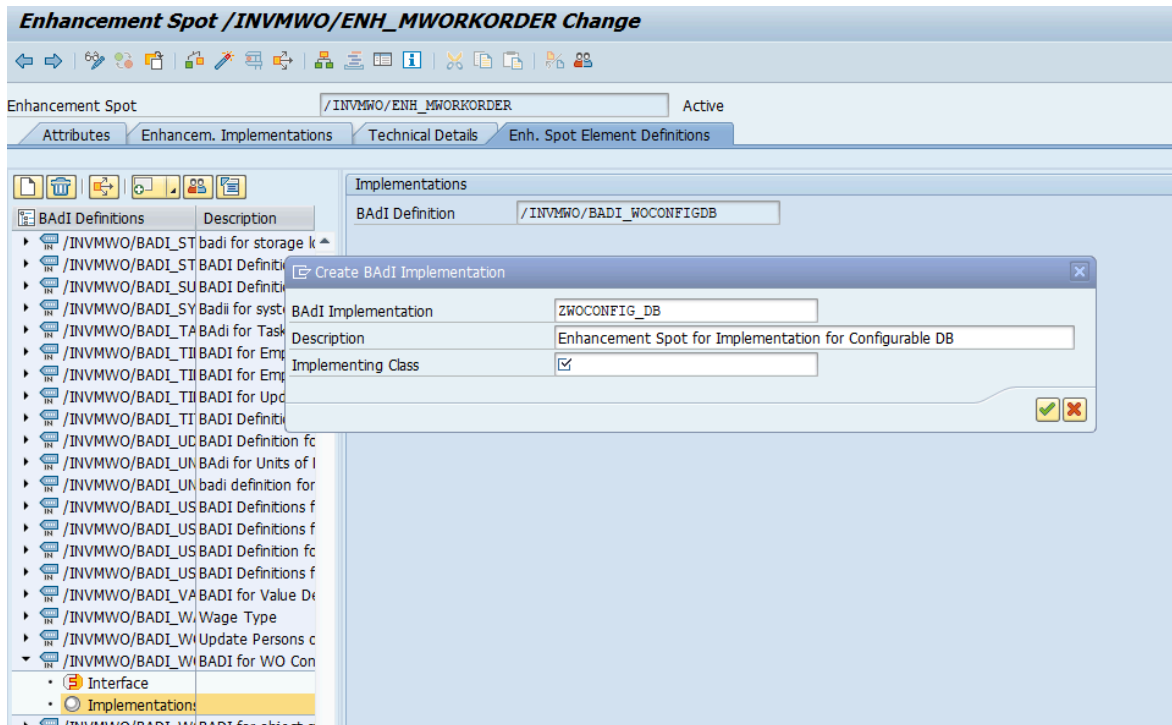
  DATA : lo_badi_woconfigdb TYPE REF TO
         /invmwo/badi_woconfigdb.
    
```



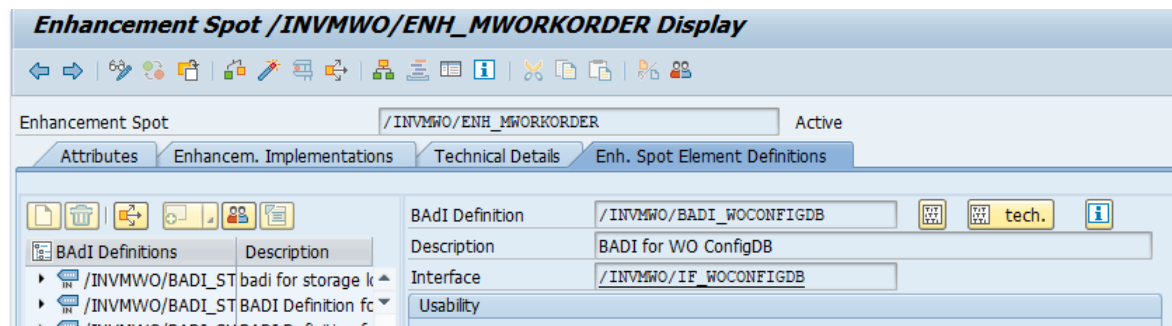
9. Click the Implementation icon for BADI.

The screenshot shows the SAP SE18 interface for configuring an Enhancement Spot. The main window title is "Enhancement Spot /INVMWO/ENH_MWORKORDER Display". The "Enhancement Spot" is set to "/INVMWO/ENH_MWORKORDER" and is "Active". The "Attributes" tab is selected, showing a list of BADI Definitions. The "Implementation" icon is highlighted in the list. The right pane displays the configuration for the selected BADI: "/INVMWO/BADI_WOCONFIGDB". The description is "BADI for WO ConfigDB" and the interface is "/INVMWO/IF_WOCONFIGDB". Under "Usability", the "Multiple Use" checkbox is checked. Under "Instance Creation Mode", "Newly Creating Instantiation" is selected. There is also a "Fallback Class" field.

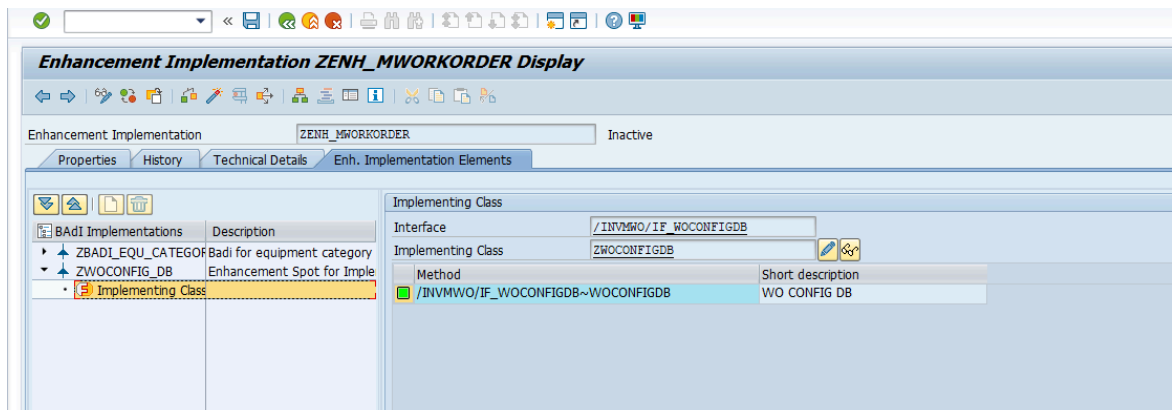
10. Enter an appropriate name (starting with Y/Z) for enhancement of spot implementation. (Follow the naming conventions and standards as per the policies and procedures defined.)



11. Enter the package name.
12. Enter an appropriate name starting with Y/Z for BADI implementation and any Z/Y name for implementing a class.

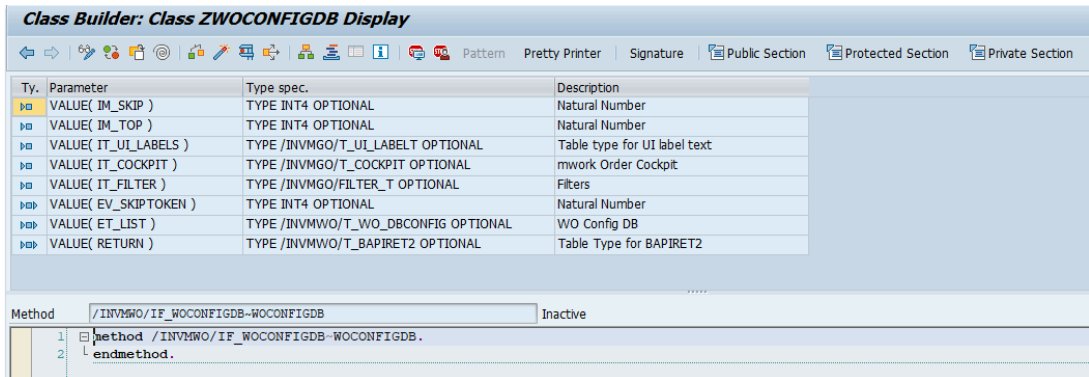


13. Click the method as shown in the following screenshot.



14. Click **Yes**.
15. Perform the development activity (code changes and enhancements) to meet the business requirements:
 - a. By default, the BADI is initially blank.
 - b. Copy all the lines of the code from the standard Innovapptive—delivered FM / INVMWO/BADI_WOCONFIGDB to this section.

The code can now be enhanced by following the standard ABAP development practices.

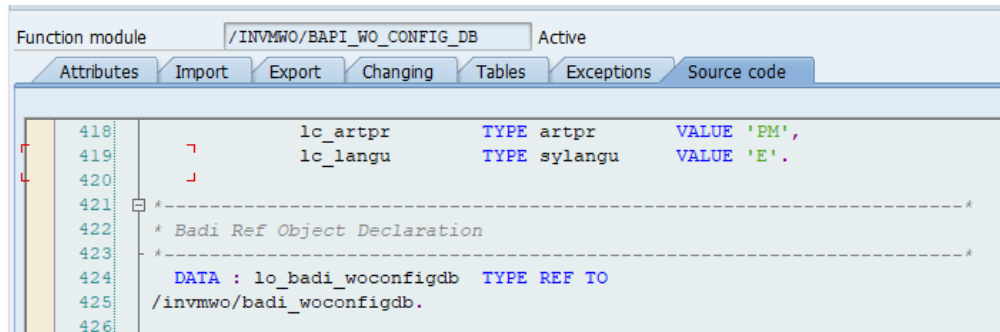


- c. Activate the BADI implementation (while activating, select all the relevant objects in the activation list).

12.3. Verify BADI Implementation

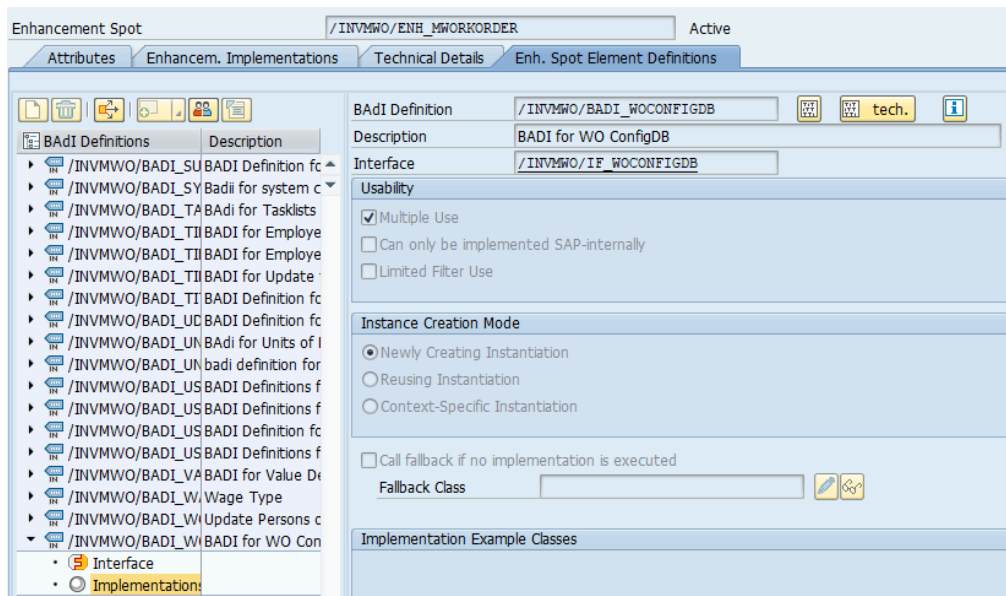
1. Run **SE37** and display the function module **/INVMWO/BAPI_WOCONFIGDB**.

Figure 12-5 Function Module: /INVMWO/BAPI_WOCONFIGDB



2. Double-click the BADI **//INVMWO/BADI_WOCONFIGDB**

Figure 12-6 BADI: //INVMWO/BADI_WOCONFIGDB



This displays the BADI implementation along with the active or inactive status.

3. Verify the **Implementation is active** check box.

12.4. List of BADIs for mWorkOrder

List of BADIs (Business Add-Ins) available as part of the mWorkOrder SAP ECC Add-on component to enhance the standard functionality with ABAP development.

Table 12-1 BADIs in mWorkOrder Application

| MODULE NAME | BADI Name | BADI Description | Screen Description |
|--------------------------|-------------------------------------|--|--|
| EQUIPMENT | /INVMWO/BADI_AD- DRNO_CREATE | BADI Definition for Ad- dress Number Create and Update | Equipment Address Create |
| EQUIPMENT | /INVMWO/BADI_E- QUIPMENT_DETAIL | BADI Definition for Equipment List | Equipment General Display |
| EQUIPMENT | /INVMWO/BADI_E- QUIPMENT_LIST | BADI Definition for Equipment List | Equipment Header Display |
| EQUIPMENT | /INVMWO/BADI_E- QUI_CREATE | BADI definition for Equipment Create | Equipment Location Create |
| EQUIPMENT | /INVMWO/BADI_- MAINTENANCE_PLANS | Maintenance Plans | Equipment Display Maintenance plant |
| EQUIPMENT | /INVMWO/BADI_E- QUIPMENT_BOM | BADI Definition for Equipment BOM | Equipment Display Bill of Material |
| EQUIPMENT | /INVMWO/BADI_E- QUIP_ATTACHMENTS | BADI for Equip At- tachments | Equipment Filters |
| FUNCTIONAL LO- CATION | /INVMWO/BADI_- IFLO_CREATE | BADI Definition for Functional Location Create | Functional Location Header Display |
| FUNCTIONAL LO- CATION | /INVMWO/BADI_FL_- LAST_MEASPOINT | BADI Definition for Last MP List | Functional Location Measuring Counter |
| FUNCTIONAL LO- CATION | /INVMWO/BADI_E- QUIP_NEAR_ME | BADI Definition for Equipment Last Ac- tive Orders | Functional Location Near Me Notification Filters |
| FUNCTIONAL LO- CATION | /INVMWO/BADI_- PARTNER_LIST | BADI Definition for Partner List | Functional Location Partner Create |
| FUNCTIONAL LO- CATION | /INVMWO/BADI_- FUNCTIONAL_DETAIL | BADI Definition for Functional Location | Functional Location Search |
| INSPECTIONLOT | /INVMWO/BADI_- INSP_CHAR_LIST | BADI Definition for In- spection Lot List | Inspection Lot Char- acteristics Display |

Table 12-1 BADIs in mWorkOrder Application (continued)

| MODULE NAME | BADI Name | BADI Description | Screen Description |
|--------------------|-------------------------------------|---|---|
| INSPECTIONLOT | /INVMWO/BADI_- INSP_OPERATIONS | BADI Definition for in- spection Lot Opera- tions | Inspection Lot Opera- tions Display |
| INSPECTIONLOT | /INVMWO/BADI_- INSPECLOT_NO_LIST | BADI Definition for In- spection Lot List | Inspection Lot Search |
| MEASURINGPOINT | /INVMWO/BADI_EN- TRYLIST | BADI for Entry list | Measuring Point Entry List Display |
| MEASURINGPOINT | /INVMWO/BADI_- MEASURING_POINT | BADI Definition for Get List of Measuring point | Measuring Point Range Limits Display |
| MEASURINGPOINT | /INVMWO/BADI_- MEASPOINT_CREATE | BADI Definition for Create Measuring Point | Measuring Point Header Create |
| MEASURINGPOINT | /INVMWO/BADI_- MEASDOC_HISTORY | BADI Definition for MP History | Measuring Point His- tory Display |
| NOTIFICATION | /INVMWO/BADI_- WO_NOTIF_LIST | BADI for Notification List | Notification Map |
| NOTIFICATION | /INVMWO/BADI_- NOTIF_ACTIVITY_LI | BADI for Notification Activity List | Notification Activities Create |
| NOTIFICATION | /INVMWO/BADI_- NOTIF_CREATE | BADI for Notification Create | Notification Header Create |
| NOTIFICATION | /INVMWO/BADI_- NOTIF_ITEM_UPDATE | BADI Definition for No- tify Item Update | Notification Items Create |
| NOTIFICATION | /INVMWO/BADI_- WO_NOTIF_DETAILS | BADI for Notification Details | Notification Header |
| NOTIFICATION | /INVMWO/BADI_- NOTIF_ITEMS_DISP | BADI for Notification Items List | Notification Items |
| NOTIFICATION | /INVMWO/BADI_- NOTIF_CAUSES_LIST | BADI for Notification Causes list | Notification Causes |

Table 12-1 BADIs in mWorkOrder Application (continued)

| MODULE NAME | BADI Name | BADI Description | Screen Description |
|--------------------|--|---|--------------------------------------|
| NOTIFICATION | /INVMWO/BADI_- NOTIF_TASK_LIST | BADI for Notification Task List | Notification Tasks |
| NOTIFICATION | /INVMWO/BADI_- NOTIFTASK_REL_COM | Notification Release and Complete | Notification Task Cre- ate |
| NOTIFICATION | /INVMWO/BADI_- NOTIF_HISTORY | BADI Definition for No- tification History | Notification History |
| NOTIFICATION | /INVMWO/BADI_- NOTIF_CAUSES_UPD | BADI for Notification Causes Update | Notification Header Display |
| WORKORDER | /INVMWO/BADI_- WO_COMPONENT_- LIST | BADI for Components list | Work Order Compo- nents Create |
| WORKORDER | /INVMWO/BADI_- WORKORDERS_LIST | BADI for work order list | Work Order Header Create |
| WORKORDER | /INVMWO/BADI_- WO_OPERATION_LIST | Work Order Operation List | Work Order Opera- tions Create |
| WORKORDER | /INVMWO/BADI_- WORKORDER_CREATE | BADI Definition for Create Workorder | Work Order Header Display |
| WORKORDER | /INVMWO/BADI_- MATERIAL_GETLIST | BADI for Material List | Material Search |
| WORKORDER | /INVMWO/BADI_E- QUI_CREATE | BADI definition for Equipment Create | Work Order Header |
| WORKORDER | /INVMWO/BADI_- PLANNING_VIEW | BADI for PLANNING_- VIEW | Work Order Planning tasks Display |
| WORKORDER | /INVMWO/BADI_- WORKORDER_HISTORY | BADI Definitions for Workorder History | Work Order History Display |
| WORKORDER | /INVMWO/BADI_- WO_OPERATION_LIST | Work Order Operation List | Work Order Opera- tions |
| WORKORDER | /INVMWO/BADI_- WO_BOM_DETAILS | BADI definition for BOM details | Work Order Compo- nents |

Table 12-1 BADIs in mWorkOrder Application (continued)

| MODULE NAME | BADI Name | BADI Description | Screen Description |
|--------------------|--------------------------------------|---|---|
| WORKORDER | /INVMWO/BADI_- OPECONF_DETAILS | BADI Definitions for WO Operations | Work Order Operation Confirmation Create |
| WORKORDER | /INVMWO/BADI_- ALM_CONF_CANCEL | BADI Definitions for Priority Count | Workorder DB search |
| WORKORDER | /INVMWO/BADI_AT- TACHMENT_CREATE | BADI Definition for at- tachment create | Workorder Attach- ments |
| WORKORDER | /INVMWO/BADI_- MATERIAL_STOCK | BADI Definition for Material Stock | Material Availability Filters |
| WORKORDER | /INVMWO/BADI_- WOTYPES_GETLIST | BADI for Work Order Types | WO DocType Filters |
| WORKORDER | /INVMWO/BADI_D- DWORKORDERS_LIST | BADI Definitions for DD Workorders List | Work Order Search |
| WORKORDER | /INVMWO/BADI_- NOTIF_EQUIPT_LIST | BADI for Notification Equipment list | DD Equipment Filters |
| WORKORDER | /INVMWO/BADI_- NOTIF_FUNLOC_LIST | BADI Notification function location list | DD Functional Loca- tion Filters |
| USAGEDECISION | /INVMWO/BADI_- USAGE_DEC_LIST | BADI Definitions for Usage Decision List | Usage Decision Header Display |
| USAGEDECISION | /INVMWO/BADI_DE- FECTS_GET | BADI Definitions for Defects List | Usage Decision De- fects Display |
| USAGEDECISION | /INVMWO/BADI_- USAGE_DEC_SAVE | BADI Definitions for Usage Decision Save | Usage Decision Save |
| TIMESHEET | /INVMWO/BADI_- TIME_ENTRY_OVRVIEW | BADI for Employee Time Entry Overview | Timesheet Filters |
| TIMESHEET | /INVMWO/BADI_- TIME_ENTRY_CREATE | BADI for Employee Time Entry Creation | Time Sheet Create |
| CREWMANAGEMENT | /INVMWO/BADI_W- C_PERSONS_UPD | Update Persons of Work Center | Pernr Search |

Table 12-1 BADIs in mWorkOrder Application (continued)

| MODULE NAME | BADI Name | BADI Description | Screen Description |
|--------------------|-------------------------------------|--|---------------------------|
| CREWMANAGEMENT | /INVMWO/BADI_D- DEMP_LIST | BADI Definitions for Employee List | Pernr Search |
| WORKORDER | /INVMWO/BADI_- WO_ATTACH_DEL | BADI to delete WO at- tachments | Work Order |
| EQUIPMENT | /INVMWO/BADI_E- QUIP_ATTACH_DEL | BADI to delete Equip- ment attachments | Equipment |
| FUNCTIONALLOCATION | /INVMWO/BADI_FL_- ATTACH_DEL | BADI to delete FL at- tachments | Functional location |
| NOTIFICATION | /INVMWO/BADI_- NOTIF_ATTACH_DEL | BADI to delete Notifi- cation attachments | Notification |
| MEASURINGPOINT | /INVMWO/BADI_MP_- ATTACH_DEL | BADI to delete Mea- suring Points attach- ments | Measuring Points |
| WORKORDER | /INVMWO/BADI_- WOCONFIGDB | BADI Definition for WOCONFIGDB | Work Order |
| NOTIFICATION | /INVMWO/BADI_NO- CONFIGDB | BADI Definition for NOCONFIGDB | Notification |
| WORKORDER | /INVMWO/BADI_VAL- UE_DESC | BADI Definition for Value Descriptions | Work Order |
| WORKORDER | /INVMWO/BADI_- WOOBJ_STATUS_LIST | BADI for object status and individual status for an object | Work Order |
| NOTIFICATION | /INVMWO/BADI_- NOOBJ_STATUS_LIST | BADI for Object or In- dividual status for an object | Notification |
| WORKORDER | /INVMWO/BADI_- ALM_CONF_CANCEL | BADI for Confirmation Cancelation | Work Order |

Table 12-1 BADIs in mWorkOrder Application (continued)

| MODULE NAME | BADI Name | BADI Description | Screen Description |
|--------------------|--|--|---------------------------|
| WORKORDER | /INVMWO/BADI_- MULTIOPER_CONF | BADI for Work Order Multi Operation con- firmation | Work Order |
| NOTIFICATION | /INVMWO/BADI_- NOTIF_UPDATE | BADI for Notif Update for overall conf | Notification |
| WORKORDER | /INVMWO/BADI_- WO_OPERATION_UPD | BADI for Updating the work order | Work Order |
| WORKORDER | /INVMWO/BADI_- UNIT_OF_WORK | BADI Definition for Unit of Work | Work Order |
| WORKORDER | /INVMWO/BADI_- WO_TLIST_COMP_- PRT | BADI Definition for Tasklists Components | Work Order |
| WORKORDER | /INVMWO/BADI_- TASKLIST_CREATE | BADI Definition for Tasklists Create | Work Order |
| WORKORDER | /INVMWO/BADI_- TASKLIST_CHANGE | BADI Definition for Tasklists Change | Work Order |
| WORKORDER | /INVMWO/BADI_- IFLO_UPDATE | BADI Definition for Functional Location Update | Work Order |
| WORKORDER | /INVMWO/BADI_- MEASDOC_CREATE | BADI Definition for Create Measuring Document | Work Order |
| WORKORDER | /INVMWO/BADI_- WO_PRT_DOCS | BADI Definition for WO Display PRT's Docu- ment | Work Order |
| WORKORDER | /INVMWO/BADI_- WO_TLIST_PRTS_DOC | BADI Definition for WO Create PRT's Docu- ment | Work Order |

Table 12-1 BADIs in mWorkOrder Application (continued)

| MODULE NAME | BADI Name | BADI Description | Screen Description |
|--------------------|--|---|---------------------------|
| NOTIFICATION | /INVMWO/BADI_- NOTIF_CODEGR_LIST | BADI Definition for No- tification Code group List | Notification |
| WORKORDER | /INVMWO/BADI_- WO_OBJECTS_DETAIL | BADI Definition to get Object list | Work Order |
| WORKORDER | /INVMWO/BADI_- WO_OBJECTS_UP- DATE | BADI Definition to up- date object details | Work Order |
| WORKORDER | /INVMWO/BADI_- WO_OBJECTS_CRE- ATE | BADI Definition to cre- ate new object | Work Order |
| WORKORDER | /INVMWO/BADI_- MULTDFORM_DISPLAY | BADI Definition to get multiple form list of Workorder | Work Order |
| NOTIFICATION | /INVMWO/BADI_- MULTDFORM_DISPLAY | BADI Definition to get multiple form list of Notification | Notification |
| WORKORDER | /INVMWO/BADI_- MULDFORM_UPDATE | BADI Definition to up- date forms of worko- rder | Work Order |
| NOTIFICATION | /INVMWO/BADI_- MULDFORM_UPDATE | BADI Definition to up- date forms of Notifi- cation | Notification |
| TIMESHEET | /INVMWO/BADI_- TIME_ENTRY_CONFRM | BADI definition for timesheet confirma- tion | Timesheet |
| TIMESHEET | /INVMWO/BADI_- TIMESHEET_RELEASE | BADI for Timesheet Release | Timesheet |

Table 12-1 BADIs in mWorkOrder Application (continued)

| MODULE NAME | BADI Name | BADI Description | Screen Description |
|--------------------|--|---|----------------------------------|
| WORKORDER | /INVMWO/BADI_- WO_DASHBOARD | BADI Definition for Work Order and Op- erations Dashboard | Work Order Dash- board screen |
| WORKORDER | /INVMWO/BADI_- WO_DASHBOARD_- LIST | BADI Definition for Work Order and Op- erations Dashboard | Work Order Dash- board screen |
| WORKORDER | /INVMWO/BADI_- WO_WC_PERSONS | BADI Definition for Work Center and Per- sons Relation | Work Order Dash- board screen |
| WORKORDER | /INVMWO/BADI_- NOTIFSCODEGROUP | Badi for Notifications Code-group in offline. | Notification |
| WORKORDER | /INVMWO/BADI_- NOTIFICATIONCODE | Badi for Notification Codes | Notification |
| WORKORDER | /INVMWO/BADI_- WO_NO_EXPAND_- NEW | Badi for Workorder store(General store) in offline | Work Order |

Table 12-2 BADIs for mWorkOrder

| Module Name | BADI Name | BADI Description |
|--------------------|-------------------------------------|--|
| WORKORDER | /INVMWO/BADI_WOORDER- ENTITYSET | BADI Definition for to get workorder details |
| WORKORDER | /INVMWO/BADI_WO- ORDEROPER | BADI Definition for to get op- eration details |
| WORKORDER | /INVMWO/BADI_WO- ORDEROPERDEL | BADI Definition for Workorder Operations delete |
| WORKORDER | /INVMWO/BADI_WO_DYND- DENTITYSET | Dynamic Dropdown |
| WORKORDER | /INVMWO/BADI_WO_DYN_- CREATE | Create Dynamic extension collection |

Table 12-2 BADIs for mWorkOrder (continued)

| Module Name | BADI Name | BADI Description |
|--------------------|-------------------------------------|--|
| WORKORDER | /INVMWO/BADI_WO_HAN- DLCHANGESET | Workorder Handle change set |
| WORKORDER | /INVMWO/BADI_WO_OPER_- UPDATE | Work order Operation Update |
| WORKORDER | /INVMWO/BADI_WO_OR- DERSUPDATE | Work order update |
| WORKORDER | /INVMWO/BADI_WOORDER- COMPDEL | Work Order Component Delete |
| WORKORDER | /INVMWO/BADI_WOORDER- COMP | WorkOrder Component |
| WORKORDER | /INVMWO/BADI_WODYNEX- TUPDATESET | Dynamic Extension Update |
| WORKORDER | /INVMWO/BADI_WODYNEX- TENTITYSET | Dynamic Extension |
| WORKORDER | /INVMWO/BADI_WODYNEX- TUPDATESET | Dynamic Extension Update |
| WORKORDER | /INVMWO/BADI_WOORDER- COMP | WorkOrder Component |
| WORKORDER | /INVMWO/BADI_WOORDER- COMPDEL | Work Order Component Delete |
| WORKORDER | /INVMWO/BADI_WOORDER- ENTITYSET | Work order collection |
| WORKORDER | /INVMWO/BADI_WO- ORDEROPER | BADI Definition for Workorder Operations |
| WORKORDER | /INVMWO/BADI_WO- ORDEROPERDEL | BADI Definition for Workorder Operations delete |
| WORKORDER | /INVMWO/BADI_WO_DYND- DENTITYSET | Dynamic Dropdown |

Table 12-2 BADIs for mWorkOrder (continued)

| Module Name | BADI Name | BADI Description |
|--------------------|------------------------------------|-------------------------------------|
| WORKORDER | /INVMWO/BADI_WO_DYN_CREATE | Create Dynamic extension collection |
| WORKORDER | /INVMWO/BADI_WO_HANDLECHANGESET | Workorder Handle change set |
| WORKORDER | /INVMWO/BADI_WO_OPERATION_UPDATE | Work order Operation Update |
| WORKORDER | /INVMWO/BADI_WO_ORDERSUPDATE | Work order update |
| WORKORDER | /INVMWO/BADI_WODYNEX-TENTITYSET | Dynamic Extension |
| WORKORDER | /INVMWO/BADI_WOCOUNTENTITYSET | Count Entity |
| WORKORDER | /INVMWO/BADI_WOATTACHMENTENTITYSET | Workorder Attachment |
| WORKORDER | /INVMWO/BADI_WOAPP-DATAENTITYSE | App Data Configuration |
| WORKORDER | /INVMWO/BADI_USER-DETAILS | User details |
| WORKORDER | /INVMWO/BADI_SEARCH-FILTER | Search and filters |
| WORKORDER | /INVMWO/BADI_OPERATION_LIST | Operation List |
| WORKORDER | /INVMWO/BADI_DD_DROP-DOWN | Dynamic drop down : sub |
| WORKORDER | /INVMWO/BADI_COMPONENT_UPDATE | Component update |
| WORKORDER | /INVMWO/BADI_COMPONENT_LIST | Get Component List |

Table 12-2 BADIs for mWorkOrder (continued)

| Module Name | BADI Name | BADI Description |
|--------------------|-----------------------------------|-------------------------|
| WORKORDER | /INVMWO/BADI_ATTACHCRE- ATESET | Attachment creation |

13. Generate Secondary Indices

To improve the application performance, for tables containing large amounts of data, generate secondary indices for key tables relevant for the product.



Note:

Ensure you have ABAP Developer access to ECC system with authorization to maintain tables and set up table indexes.

Table 13-1 Secondary Index - Table and Field

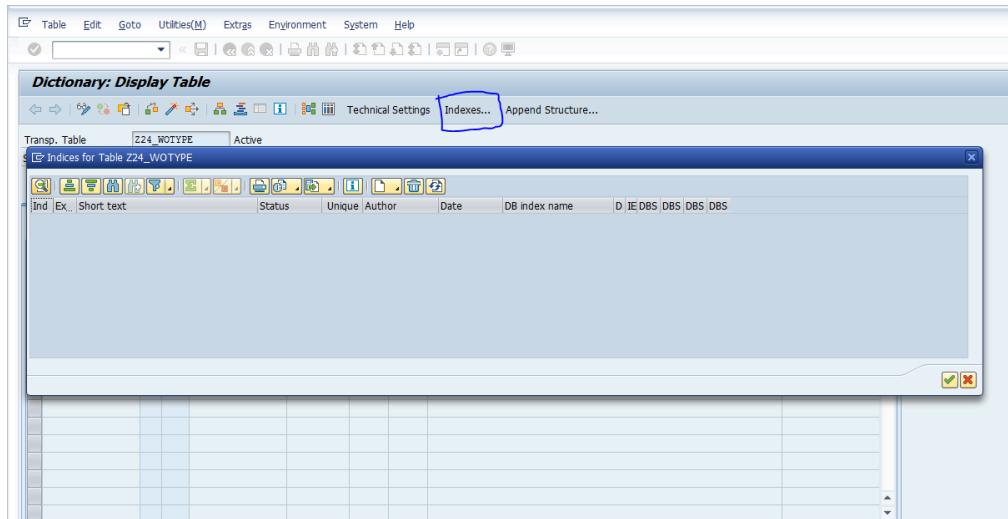
| Table | Field for Secondary Index |
|-------|---------------------------|
| PLKO | WERKS |
| AFIH | GEWRK |
| AUFK | WERKS |

13.1. Create Secondary Index

To create secondary index:

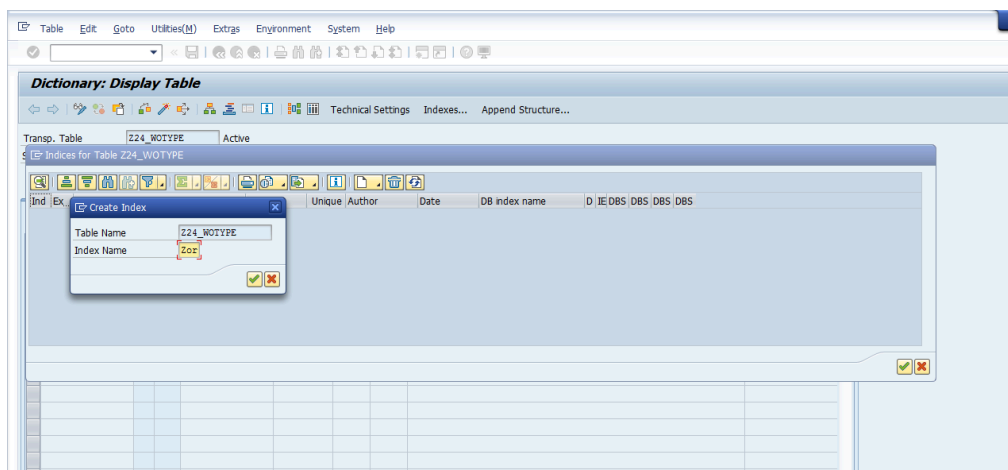
1. Log in to SAP ECC.
2. Go to transaction SE11.
3. Enter the Table name.
4. Click Display to view the table.
5. Click Indexes.

Figure 13-1 Display Table - Indexes



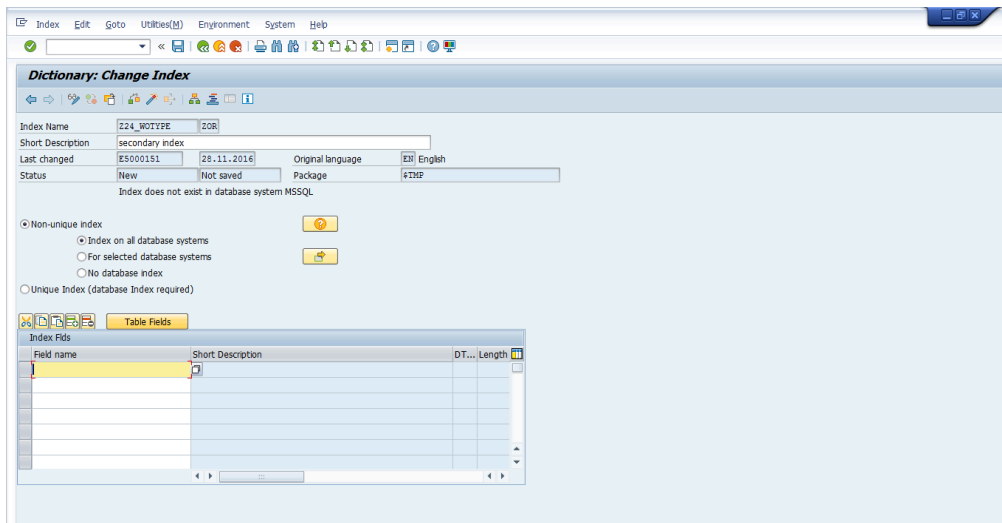
6. Click Create and select Create Index.
7. Enter the Index Name.

Figure 13-2 Create Index - Index Name



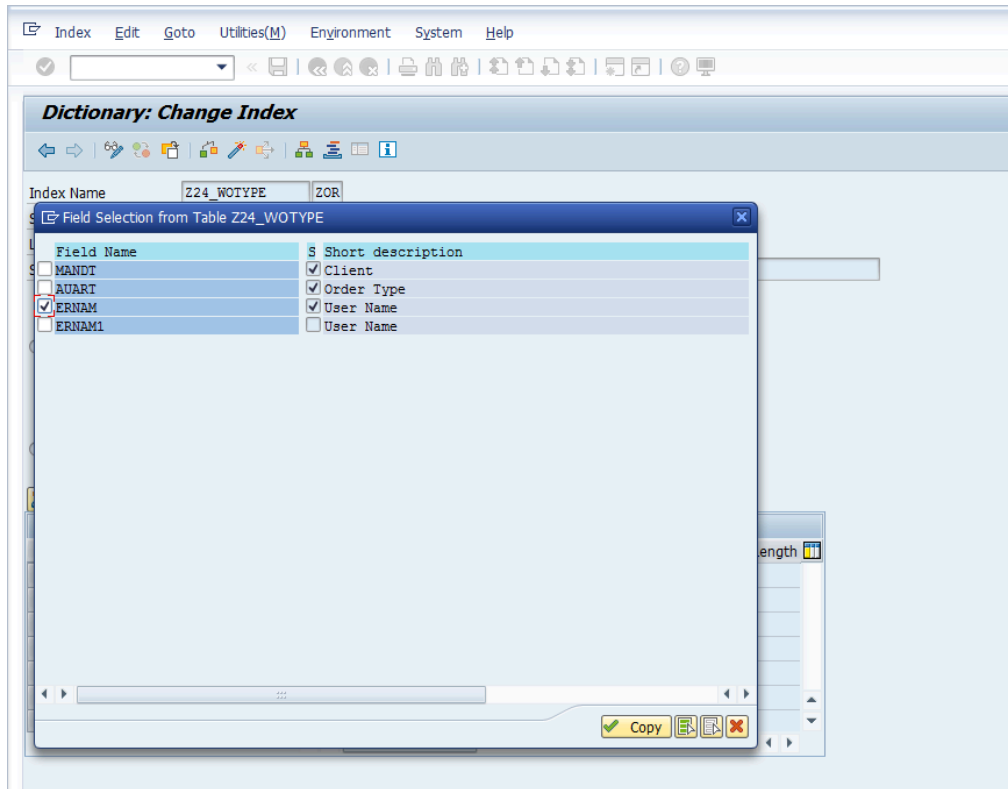
8. Enter description in the displayed fields.
9. Select **Table Fields** option to enter the Field name.

Figure 13-3 Table Fields



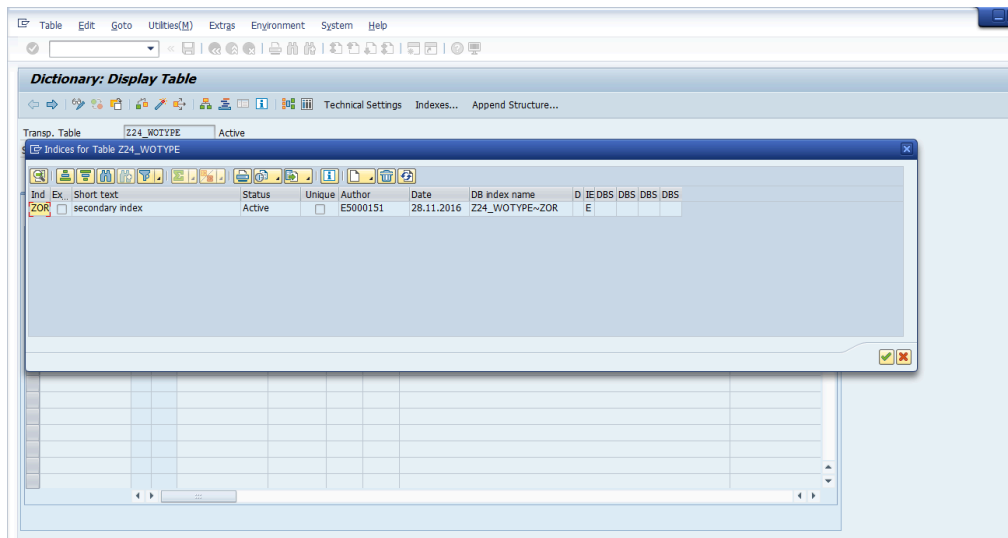
10. Select the required field for secondary index and click Copy.

Figure 13-4 Select Table Fields



11. Click **Activate**.

Figure 13-5 Activate Index



14. Update Resource File

This section describes the steps to view and modify the content, format, and structure of the Resources file.

As part of the initial product deployment, Innovapptive will provide a default zip file that needs to be updated to reflect your settings and branding needs.

mWorkOrder application resource file **resources_mworkorder.zip** on Windows platform is used as an example to demonstrate the steps and actions that are needed to be performed. The same steps can be followed for other products and platforms as well using the appropriate file and product names for other products.

To prepare and update the resource file:

1. Download the resources_mworkorder_zip file to the local drive.
2. Extract the resource_mmworkorder.zip file.


The folder structure: **resource_mworkorder, Dev, ios** is displayed after successful extraction:

3. Navigate to the iOS folder. (Same file and settings are applicable for iOS, Android, and Windows).
Standard images, logo, and the settings file are displayed in the folder.
4. Open the file **settings.json** in Notepad/Notepad++ (any standard text file editor).
5. Modify the default setting from **settings.json** file as required.

Table 14-1 json file attributes

| Attribute | Description |
|-----------|---|
| AppName | This field is used to identify the Innovapptive product name. Conditions: Use uppercase alphabets. Possible Values: Based on the product, refer to the table Table 14-3: AppName and App id (on page 142) . Example: MWORKORDER |

| Attribute | Description |
|----------------|--|
| Environment | <p>Identifies the landscape to which the mobile application is connected. This value is displayed on the Login page of the mobile app.</p> <p>Conditions: None</p> <p>Possible Values: Development/Quality/Production</p> |
| ShowDemoButton | <p>Set to True to display the Sample Data button on the application Login page. Upon clicking the sample data, the user can view the demo data.</p> <p>Conditions: Use lowercase alphabets.</p> <p>Possible Values: true/false</p> |
| hcolor | <p>Custom header color for application. Use this parameter to customize the app screen elements, such as the header bar, to meet your corporate branding needs. Work with your appropriate branding team to identify the color that meets your enterprise palette.</p> <p>Tip: Using the Google Hex color picker, you can identify the Hex color code value that needs to be set up. To find the hex color code, go to www.google.com and search for "hex color picker." Select the desired color and you will see the color code.</p> <p>Condition: Use the Hex color code value based on the color you would like to see on the mobile app screen elements.</p> <p>Possible Values: As per the requirement.</p> |

| Attribute | Description |
|---------------|---|
| | Example: #42c2f4 |
| TouchId | Set the value as True to enable the Touch ID feature in application. |
| AppPassCode | Set the value as True to enable the App Passcode feature in application. |
| ForgotPwd | Set the value as True to enable the Forgot Password feature in application. |
| ForgotPwdLink | Set the value as True to display the website link to reset password. |
| ForgotPwdMsg | Set the value as True to display the message to reset password. |
| Languages | <p>Languages that are configured in the settings.json file are displayed to the user as a drop-down menu for selection. Additional languages can be added provided the language is available in SAP and the necessary translations are maintained.</p> <p>Syntax:</p> <pre data-bbox="873 1247 1414 1373">{"id":<SequenceNumber>,"key": "<SAPLanguageCode>","value": "<LanguageName>"}</pre> <p>Possible Values: Languages supported by SAP</p> <p>Example: {"id":1,"key":"E","value":"English"}</p> <div data-bbox="862 1591 1421 1766" style="border: 1px solid #00a0e3; border-radius: 10px; padding: 10px; background-color: #e6f2ff;"> <p> Note: For RACE™ Dynamic Forms, only English language is supported.</p> </div> |

| Attribute | Description |
|-----------|--|
| Timeout | Application idle Timeout (in minutes). This setting allows the administrator to specify the automatic time out when apps are left idle. Example: D30 |

- Review and update the content block for each environment (Development, Quality, and Production).



Note:

Values described in the following table are case sensitive and are recommended to be used in the same format as mentioned in the Description section. All the values are mandatory.

Table 14-2 json parameters

| Parameter | Description |
|-----------|---|
| Server | The DNS/HostName of the SMP/SCPms servers, which will be used for mobile application connection. Example: smp.innovapptive.com |
| Port | The application establishes the communication to the server based on the specified port number. Possible Values: 8080, 8081, 443 Example: HTTP/HTTPs (SMP default HTTP port 8080, HTTPs 8081, SCPms HTTPs 443 and custom ports for proxy) |

| Parameter | Description |
|---------------|---|
| ApplicationID | <p>ApplicationID is the ID configured in SMP/ SCPms and the mobile application will use it to connect to server for the registration.</p> <p>Condition: Use the same application ID as defined in SMP/SCPms.</p> <p>Possible Values: Based on the product, refer to the table below.</p> <p>Example:..com.innovapptive.mworkorder</p> |
| SecurityType | <p>This field is used to identify the security type configured in SMP/SCPms server for the application. Security types are used based on authentication mechanism/login mechanism selected for the application.</p> <p>Condition: Use the same security profile name as defined in SMP/SCPms.</p> <p>Example: Basic Authentication (SSO2), SAML Authentication (SAML) and x509 authentication(x509) mechanisms.</p> |
| https | <p>This field is used to identify the protocol type. The default value should be set to false.</p> <p>Conditions: Use lowercase alphabets.</p> <p>Possible Values: true/false</p> |

| Parameter | Description |
|---------------------------|---|
| Whitelist [ApplicationID] | <p>All Innovapptive applications require connection settings for RACE™ services and may require other connection settings also.</p> <p>mWorkOrder application requires connection setting for RACE™, EQUIPMENT, FUNCTIONALLOCATION, and ATTACHMENT.</p> <p>Example. com.innovapptive.race, mwo.equipment, mwo.funloc and mwo.attach.</p> |
| Whitelist [StoreName] | <p>This field describes the name Offline stores for whitelist ApplicationIDs. RACE™ store is common for all Innovapptive applications.</p> <p>mWorkOrder application requires to configure for following StoreName – RACE™, EQUIPMENT, FUNCTIONALLOCATION, and ATTACHMENT.</p> |

Figure 14-1 Sample JSON Settings file

```

{
  "Server": "smphost",
  "Port": "8080",
  "ApplicationID": "com.innovapptive.mworkorder",
  "SecurityType": "SSO2",
  "https": false,
  "AppName": "MWORKORDER",
  "Environment": "Development",
  "ShowDemoButton": true,
  "hcolor": "#449E75",
  "TouchId": true, "AppPassCode": true, "ForgotPwd": true, "ForgotPwdLink": false, "ForgotPwdMsg": "http://www.innovapptive.com/", "StoreName": "",
  "Languages": [{"id": 1, "key": "E", "value": "English"}, {"id": 2, "key": "D", "value": "German"}, {"id": 3, "key": "F", "value": "French"},
  {"id": 4, "key": "S", "value": "Spanish"}, {"id": 5, "key": "P", "value": "Portuguese"}, {"id": 6, "key": "I", "value": "Chinese"}, {"id": 7, "key": "M", "value": "Thai"}],
  "Timeout": "D30", "Whitelist": [{"ApplicationID": "com.innovapptive.mworace", "StoreName": "RACE"}, {"ApplicationID": "mwo.equipment", "StoreName": "EQUIPMENT"},
  {"ApplicationID": "mwo.funloc", "StoreName": "FUNCTIONALLOCATION"}, {"ApplicationID": "mwo.attach", "StoreName": "ATTACHMENT"}]
}

```

ApplicationID and **AppName** depend on the app that you configure. The following table will help to configure the details.

Table 14-3 AppName and App id

| Name | APP ID | AppName |
|----------------------|-----------------------------------|------------------|
| Mobile Asset Tag | com.innovapptive.masset-tag | MASSETTAG |
| Mobile Inventory | com.innovapptive.minventory | MINVENTORY |
| Mobile Service Order | com.innovapptive.mserserviceorder | MSERVICEORDER |
| Mobile Shopping Cart | com.innovapptive.mshop | MSHOP |
| Mobile Worklist | com.innovapptive.mworklist | MWORKLIST |
| Mobile Work Order | com.innovapptive.mworkorder | MWORKORDER |
| RACE™ Dynamic Forms | com.innovapptive.racedynamicforms | RACEDYNAMICFORMS |

7. Save the **settings.json** file with the same name. (As a best practice, maintain a backup of the file with a different name)
8. Update the Image files.
The .png image files that are provided can be replaced with images to meet your branding needs. Ensure that the file format, image size, quality, resolution, and so on are aligned with the image that is being replaced.
9. Compress the following files with the updated files from Part 1 & 2 into a zip file with the name **resources_ios.zip**. Ensure that the content and filenames are exactly matching.
 - App_BG_iPad_Landscape.png
 - App_BG_iPad_Protrait.png
 - App_BG_iPhone.png
 - App_Logo.png
 - settings.json

15. Download App and Install

Download the latest version of mWorkOrder app from Apple App Store, Google Play or the Microsoft Store and install it on your devices.