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Getting Started Guide for Integration via Integration Services

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1 Getting Started with Integration via Integration Services

This tutorial guides you through the main steps for setting up and using SAP Warehouse Robotics integrated with robots via integration services for SAP Warehouse Robotics.

To view more detailed information about the steps, see the links provided.

Here are the main steps:

1. [Get Onboarded in the SAP BTP Cockpit \[page 3\]](#)
2. [Configure Edge Nodes \[page 3\]](#)
3. [Configure SAP EWM \[page 4\]](#)
4. [Use SAP Warehouse Robotics \[page 4\]](#)

1.1 Get Onboarded in the SAP BTP Cockpit

Before using SAP Warehouse Robotics, you need to perform the following steps in the SAP BTP cockpit:

1. Define a role collection and assign it to users.
There are three business roles for SAP Warehouse Robotics: warehouse clerk, business configuration expert, and robot administrator. For more information, see [Defining and Bundling Roles](#).
2. Configure the Cloud Connector to connect to an on-premise system, for example, SAP EWM.
3. Create HTTP destinations, for example, to connect to an SAP EWM system.

For more information, see the relevant how-to guide in SAP Note [3198030](#) .

1.2 Configure Edge Nodes

For a robot that is integrated via integration services for SAP Warehouse Robotics, you connect the robot to an edge node, and then connect the edge node to SAP Warehouse Robotics.

Perform the following steps to connect an edge node to SAP Warehouse Robotics:

1. Deploy the Kubernetes environment.
For more information, see the relevant how-to guide in SAP Note [3329638](#) .
2. Prepare the software environment.
For more information, see [System Requirements](#).
3. Install integration services for SAP Warehouse Robotics.
For more information, see [Business Configurations for Integration Services for SAP Warehouse Robotics](#).

1.3 Configure SAP EWM

The relevant configuration in SAP EWM includes, for example, defining the OData service and assigning OData service authorizations. To do this, implement the SAP Notes [3147663](#) and [3247030](#).

1.4 Use SAP Warehouse Robotics

The following steps show an example of how you can configure and use SAP Warehouse Robotics for robots integrated with SAP Warehouse Robotics via integration services for SAP Warehouse Robotics:

1. Onboard robots.
 1. Open the *Onboard Robots - Integration Services* app.
 2. Create an edge node for each robot, and ensure that the edge node is connected.
 3. Create robots, and assign an edge node to a robot.
 4. Specify the deployed solution for an edge node of a robot. Ensure that the solution is deployed successfully.
2. Configure your solution.
 1. Open the *Configure Your Solution* app.
 2. Create one or more warehouses.
 3. Define integration settings for the warehouse management system. For more information, see [Define EWM Integration Settings](#).
 4. Upload warehouse data. For more information, see [Upload Warehouse Data](#).
3. Define robot settings.
 1. Open the *Define Robot Settings - Integration Services* app.
 2. Assign robots to a warehouse.
 3. In the *Set Up Robots* configuration step, create one or more robot types, choose a robot type for a robot, and map each robot to a resource of the warehouse management system, for example, SAP EWM.
 4. Define charging-relevant settings.
 5. Define exception handling.
 6. Recommended: activate the optimization of warehouse order assignments to robots in a warehouse.
4. Monitor robots.
 1. Open the *Monitor Robots* app.
 2. Enable robots for use. Then, the robots can process warehouse orders.
 3. Check the robot statuses.
 4. If necessary, handle exceptions for robots.

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