|  |  |
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|  |  |
| Master Data Script  SAP S/4HANA - 18-09-20 | public |
| Create Resource (3X8) |

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# Purpose

A resource means of production and persons involved in a production process that have capacities assigned to them. Resources are divided into resource categories, such as production line, labor, storage.

Using resources, you can:

* Create a resource network structure to define the sequence of the resources used
* Define a resource hierarchy to group resources for evaluation
* Classify the resources to define their suitability for a purpose or use in an operation

# Prerequisites

## System Access

|  |  |
| --- | --- |
| System | Details |
| System | Accessible via SAP Fiori launchpad. Your system administrator provides you with the URL to access the various apps assigned to your role. |

## Roles

Assign the following business roles to your individual test users. Alternatively, if available, you can create business roles using the following spaces with pages and predefined apps for the SAP Fiori launchpad and assign the business roles to your individual test users.

Note These roles or spaces are examples provided by SAP. You can use them as templates to create your own roles or spaces.

For more information about business roles, refer to Assigning business roles to a user in the [Administration Guide to Implementation of SAP S/4HANA with SAP Best Practices](https://help.sap.com/viewer/S4HANA2020_AdminGuide) .

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Name (Role) | ID (Role) | Description (Space) | ID (Space) | Log On |
| Production Engineer - Process Manufacturing | SAP\_BR\_PRODN\_ENG\_PROC | Production Engineering - Process Manufacturing | SAP\_BR\_PRODN\_ENG\_PROC |  |

## Required Organizational Units

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Data Segment | Depends On | Field Examples | Comments | Organizational Unit to be Used |
| All data | Plant |  | All the data for resource depends on plant. | Plant:  \_\_\_\_\_\_\_\_\_\_ |

## Mandatory and Optional Master Data

Resource data records may refer to other master data. The following table gives an overview of optional and mandatory master data objects to be used in a resource.

|  |  |  |  |
| --- | --- | --- | --- |
| Master Data Object | Used in Data Segment | Mandatory / Optional | Comments |
| Standard value key | In the resource UI, basic data tab, you find the entry of standard value key in standard value Maintenance section. | Mandatory | The system uses standard values as parameters with origin standard value in formulas to calculate execution time, capacity requirements and costs.  You use the standard value key to assign a parameter ID to standard values. This parameter ID identifies the standard value in a formula. You can use the parameter ID to determine the key word for a standard value, such as setup, machine or labor. |

## Main Parameters for Data Creation

In this section, we describe some basic parameters that influence the behavior of a master record and are always required to create a resource.

### Resource Category

The resource category determines the type of data to be maintained in the resource master record. Key differentiating resources according to their category (e.g. resource network, process unit).

|  |  |
| --- | --- |
| Resource Category | Description |
| 0008 | Processing Unit |

# Overview Table

This scope item consists of several process steps that are listed in the following table:

If your system administrator has enabled spaces and pages on the SAP Fiori launchpad, the homepage will only contain the essential apps for performing the typical tasks of a business role.

You can find all other apps not included on the homepage using the search bar.

If you want to personalize the homepage and include the hidden apps, navigate to your user profile and choose Settings > App Finder .

|  |  |  |  |
| --- | --- | --- | --- |
| Process Step | Business Role | App/Transaction | Expected Results |
| Creating Resource | Production Engineer - Process Manufacturing | Create Resource (CRC1) |  |

# Test Procedures

This section describes test procedures for each process step that belongs to this scope item.

## Creating Resource

Test Administration

Customer project: Fill in the project-specific parts.

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Test Case ID | <X.XX> | Tester Name |  | Testing Date | Enter a test date. |
| Business Role(s) |  | | | | |
| Responsibility | <State the Service Provider, Customer or Joint Service Provider and Customer> | | | Duration | Enter a duration. |

Procedure

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Test Step # | Test Step Name | Instruction | Expected Result | Comments |
| 1 | Log On | Log on to the SAP Fiori launchpad as a Production Engineer - Process Manufacturing | The Start page appears. |  |
| 2 | Open the SAP Fiori App | Choose Create Resource (CRC1) . | A new window opens, showing the Create Resouce: Initial Screen. |  |
| 3 | Enter Plant Code | Enter Plant code. | The Create Organization screen appears. |  |
| 4 | Enter Resouce ID | Enter Resouce ID.  Note The field length of resouce ID is less than 8. |  |  |
| 5 | Resouce Category | Choose resouce category:   * <0008> Processing unit |  |  |
| 6 | Choose Basic Data | Choose Basic data button on the top left corner of the screen. | The create resouce: basic data screen appears. |  |
| 7 | Enter Data | On the Basic data tab, enter the following data:   * Description: <enter the description> * Person responsible: <person responsible or responsible person for the plant> * Usage: <008> * Standard value key: <YBP1> |  |  |
| 8 | Input the Default values | On the Default Values tab, enter the following data:   * Control Key: <YBP4> * Standard Value Unit of Machine: <H> * Standard Vlaue Unit of Labor: <H> |  |  |
| 9 | Set up the Capacity and Processing Formulas | On the capacities tab, enter the following data:   * Capacity category: <001(Machine/002(Person)> * set up formula: <YBPI01> * Processing formula: <YBPI02> | Choose Enter. The Create Resouce Capacity: Header screen appears. |  |
| 9 | Set up Resource Capacity | In the resouce capacity: Header section, enter the following data:   * Capacity category description: <add a description> * Capacity Responsible: Choose F4 to search for responsible person for the plant. * Factory calendar ID: <Calendar for your country> * Active version: <1> * Capacity Base Unit.: for example, D * Start time: * End time: * Length of breaks: * Operation time: * Capacity utilization: <100> * No. of Indiv. Cap: <10> * Relevant for finite scheduling: <X> * Long term Planning: <X> * Can be used by several operations: <X>   Choose Enter. | Choose Enter. The screen goes back to capacity overview. |  |
| 10 | Enter Scheduling Data | On the Scheduling tab, enter the following data:   * Capacity Category: <001(Machine/002(Person)> * Duration of Setup: <YBPI01> * Processing Duration: <YBPI02> |  |  |
| 11 | Enter Costing Data | On the Costing tab page, enter the following data:   * Cost center: <Cost center of Manufacturing for your company code> * Activity type (Machine): <3> * Formula (Machine): <YBPI01> * Activity type （ Labor ）: <11> * Formula （ Labor ）: <YBPI02> * Activity unit: Choose the UOM required, for example, H |  |  |
| 12 | Save Your Data | Save your entries. |  |  |

# Appendix

## Create Master Recipe

|  |  |  |  |
| --- | --- | --- | --- |
| Master Data Object | Used in Data Segment | Mandatory / Optional | Comments |
| Master Recipe |  |  | To execute this activity, run the Create Master Recipe (3X9) test script. |

Typographic Conventions

|  |  |
| --- | --- |
| Type Style | Description |
| Example | Words or characters quoted from the screen. These include field names, screen titles, pushbuttons labels, menu names, menu paths, and menu options.  Textual cross-references to other documents. |
| Example | Emphasized words or expressions. |
| EXAMPLE | Technical names of system objects. These include report names, program names, transaction codes, table names, and key concepts of a programming language when they are surrounded by body text, for example, SELECT and INCLUDE. |
| Example | Output on the screen. This includes file and directory names and their paths, messages, names of variables and parameters, source text, and names of installation, upgrade and database tools. |
| Example | Exact user entry. These are words or characters that you enter in the system exactly as they appear in the documentation. |
| <Example> | Variable user entry. Angle brackets indicate that you replace these words and characters with appropriate entries to make entries in the system. |
| EXAMPLE | Keys on the keyboard, for example, F2 or ENTER. |

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