FUJITSU Software Enterprise Service Catalog Manager V18.1

Release Notes

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About this Manual

This manual describes new features and changes to existing features of FUJITSU Software Enterprise Service Catalog Manager (ESCM) V18.1 as compared to V18.0. In addition, this manual provides information on known restrictions.

ESCM can be operated on Linux platforms with a Docker Engine as specified in the *QuickStart Guide*).

This manual is structured as follows:

Chapter	Description
What's New? on page 6	Describes new features, changes, and enhancements.
Restrictions on page 8	Describes the known restrictions of this release.

Readers of this Manual

This manual is intended for operators who are responsible for installing ESCM.

It assumes that you are familiar with the following:

- Container technology, particularly Docker and Docker Compose.
- Administration of the operating systems in use, including the adaption and execution of batch files or shell scripts.
- Java EE technology.
- Relational databases and their administration, in particular the PostgreSQL database.
- ESCM concepts as explained in the *Overview* manual.

Notational Conventions

This manual uses the following notational conventions:

Add	Names of graphical user interface elements.
`init`	System names, for example command names and text that is entered from the keyboard.
`<variable>`	Variables for which values must be entered.
`[option]`	Optional items, for example optional command parameters.
`one	two`	Alternative entries.
`{one	two}`	Mandatory entries with alternatives.

Available Documentation

The following documentation on ESCM is available:

- *Overview:* A PDF manual introducing ESCM. It is written for everybody interested in ESCM and does not require any special knowledge.
- *Operator's Guide:* A PDF manual for operators describing how to administrate and maintain ESCM.

- *Technology Provider's Guide:* A PDF manual for technology providers describing how to prepare applications for usage in a SaaS model and how to integrate them with ESCM.
- *Supplier's Guide:* A PDF manual for suppliers describing how to define and manage service offerings for applications that have been integrated with ESCM.
- *Reseller's Guide:* A PDF manual for resellers describing how to prepare, offer, and sell services defined by suppliers.
- *Broker's Guide:* A PDF manual for brokers describing how to support suppliers in establishing relationships to customers by offering their services on a marketplace.
- *Marketplace Owner's Guide:* A PDF manual for marketplace owners describing how to administrate and customize marketplaces in ESCM.
- *Microsoft Azure Integration:* A PDF manual for operators describing how to offer and use virtual systems controlled by Microsoft Azure through services in ESCM.
- *Amazon Web Services Integration:* A PDF manual for operators describing how to offer and use virtual servers controlled by the Amazon Elastic Compute Cloud Web service through services in ESCM.
- *OpenStack Integration:* A PDF manual for operators describing how to offer and use virtual systems controlled by OpenStack through services in ESCM.
- *VMware vSphere Integration:* A PDF manual for operators describing how to offer and use virtual machines provisioned on a VMware vSphere server through services in ESCM.
- *Shell Integration:* A PDF manual for operators describing how to use Shell scripts through services in ESCM.
- *Online Help:* Online help pages describing how to work with the administration portal of ESCM. The online help is intended for and available to everybody working with the administration portal.

1 What's New?

This chapter describes changes and enhancements made in ESCM since V18.0

1.1 User Authentication by OpenID Connect

ESCM provides a new mode for user management and authentication based on OpenID Connect, **OIDC**. The authentication mode is defined when ESCM is installed for the fist time and cannot be changed later.

OpenID Connect (OIDC) is a simple identity layer on top of the OAuth 2.0 protocol, which allows computing clients to verify the identity of a user based on the authentication performed by an authorization server, as well as to obtain basic profile information about the user. The users and their passwords and profiles are maintained at the OIDC provider, for example, Microsoft Azure Active Directory.

When installed in OIDC authentication mode, ESCM acts as an OIDC client. All users and Web services accessing ESCM are authenticated by the OIDC provider. Web-browser single sign-on (SSO) is supported; this means that a user once logged in and verified at the OIDC provider does not need to log in again to use different applications working with that same provider until he closes the browser session and/or logs out.

OIDC Tenants

An OIDC **tenant** in ESCM represents a configuration with all the settings and parameters required to connect to a specific tenant at the OIDC provider, for example, a specific domain and directory in Microsoft Azure Active Directory. The first and **default tenant** is created when ESCM is installed. The platform operator can create additional tenants at any time, if required.

Each organization and marketplace in ESCM is assigned to a specific tenant when it is created. The initial operator organization is associated with the default tenant. Users trying to log in to a marketplace are authenticated by the OIDC provider of the tenant assigned to the marketplace. For access to the ESCM administration portal, the tenant to be used for authentication must be specified in the URL unless it is the default tenant.

Users and Organizations

Every user who is to work in ESCM must exist in the respective OIDC provider system. When the operator creates an organization in ESCM, a corresponding group is automatically created at the given OIDC provider, and the user specified as the organization administrator in ESCM is assigned to it as a member. Additional group members can be admitted or removed at any time at the OIDC provider. The ESCM organizations are synchronized automatically with the corresponding groups at the OIDC provider at daily intervals or manually by the operator.

1.2 Usability Improvements in Administration Portal

In the Administration portal, several lists can now be sorted in ascending or descending alphabetical order. Together with the existing filtering mechanisms, this makes it easy to find the required list items, particularly in long lists such as service or user lists.

1.3   Collection of Usage Data and Billable Events

The VMware vSphere integration now provides for the collection of consumption data and billable events from VMware vSphere. To this end, new elements are available for the technical service definitions:

- Parameter `TECHNICAL_SERVICE_ID`, specifying the identifier of the technical service.
- Parameter `LAST_USAGE_FETCH`, specifying the last time the usage data were retrieved.
- Parameter `IS_CHARGING`, specifying whether events are to be generated.
- Events `EVENT_DISK_GIGABYTE_USAGE`, `EVENT_CPU_MHZ_USAGE_AVERAGE`, `EVENT_RAM_MEGABYTE_USAGE_AVERAGE`, specifying the events that can be retrieved.

The technical service samples on *https://github.com/servicecatalog/oscm-app/tree/master/oscm-app-vmware/resources* include the new elements.

1.4   Status of VMware Instances

The VMware vSphere integration software now comes with a predefined custom tab for the **Details** view for subscriptions on marketplaces. It shows details on the virtual resources in VMware vSphere that are related to the subscription and includes a link to the VMware vSphere Web console.

When defining a marketable service, the predefined custom can be specified by its URL as usual:

`https://<host_fqdn>:8881/oscm-app-vmware/serverInformation.jsf`

For more details, refer to the online help for creating marketable services.

2   Restrictions

This chapter describes known restrictions of this ESCM release.

Specification of Security Groups for the AWS Service Controller

If you specify security groups for the AWS service controller using the `SECURITY_GROUP_NAMES` service parameter, you also need to specify the corresponding subnet using the `SUBNET` parameter. If no subnet parameter is specified, the AWS service controller ignores any specified security groups, and the service instance is created in a default subnet and a default security group is assigned.