

DCAE-Design Studio

Introduction

DCAE-DS

DCAE-DS (Design Studio) is an [SDC Pluggable Designer](#) as part of SDC design-time platfroms. DCAE Design Studio enables to define and configure the monitoring flows of DCAE.

The configured monitoring flow is referred to as a monitoring configuration (or MC) or VFC-monitoring templates (or VFCMTs).

The monitoring template is composed from [onboarded microServices](#) (mS) models.

TBD:

- ☒ Info on "Base Templates"
- ☒ TOSCA LAB

SDC Service Context (R2)

DCAE-DS is accessed from the a service context of SDC (specific service model configuration) "Monitoring" - located on the left side categories. This context provides DCAE-DS (as a pluggable designer) the specific service,version and user context to enable or disable capabilities (edit, checkin, checkout).

The initial view in this context presents the "Monitoring Table"

Monitoring Table

This presents all configured MCs assigned to this (referenced) service, their version and submitted state.

SDC v.1806.0.56	HOME	SERVICE: Trillo	Monitoring	
Trillo	VO.1	IN DESIGN CHECK OUT	Submit for Testing	Check in
General	Monitoring			
TOSCA Artifacts	Monitoring Configuration	VNFI Name	Version	Status
Composition	Refone	liavv10	1.0	Submitted
Activity Log	Formka	liavv10	1.0	Submitted
Management Workflow	0 selected / 2 total			
Network Call Flow				
Deployment				
Properties Assignment				
Monitoring				

Heading	Description
Monitoring Configuration	Indicates the name given to this monitoring configuration.
VNFI Name	Indicates the name of the virtual function network instance in the service(s) to which this monitoring configuration is linked.
Version	Indicates the version number of the monitoring configuration.
Status	Indicates the current status of the blueprint representing the specific monitoring configuration (either Submitted or Not Submitted).
Last Updated by	Indicates the unique ID of the administrator who made the most recent changes to this monitoring configuration.
Actions	Hover presents supported actions

Functionality

Users can create a new monitoring configuration based on predefined "MC base template".

If no compatible Base templates are defined a user can "import" a template located from the DCAE-DS MC catalog (R3).

SDC General Context (R3)

DCAE-DS general context is accessed from an upper TAB of SDC (DCAE-DS). This context does not provide the service specific information to the pluggable designer.

The configuration in this

MC Catalog

Presents all created MCs (not filtered by service).

Functionality

Users can create a new MC which is not assigned to a service. This MC can be assigned to a specific service from

Composition

The use of creating a general MC is for accessing the "composition canvas" which allows the user to drag and connect the required mS applications (only mS onboarded to SDC).

Note: MCs not assigned to a service cannot be distributed using the SDC distribution.

Configuring mS (microService)

Each monitoring configuration includes microservices. For each microservice you must either configure each parameter or accept the default.

The mS parameters are represented according to the onboarded mS models. The mS TOSCA models are generated from spec (component specification) files.

Details about the component specification could be found [here](#).

The configured parameters will be set in the generated artifact.

Artifact Generation and Distribution

Upon submit of a monitoring configuration a generated artifact would be assigned to the selected service/VFi.

Once the service is certified, the artifacts would be distributed to the SDC distribution client (details [SDC Distribution model](#)).

Blueprint (R2)

The monitoring configuration represented by a TOSCA service template together with the mS TOSCA models would be used as input to generate a cloudify blueprint.

The cloudify blueprint is consumed by DCAE to deploy the desired mS.

Supported browsers

Browser	Support status
<ul style="list-style-type: none">FirefoxChrome	Officially tested and supported
<ul style="list-style-type: none">Internet Explorer (IE)Safari	Not supported