

# E2E Automation vDNS w/ CDS Use Case - ONAP-02-Design Time

## CDS Modeling & Distribution

The CBA and Data Dictionary are explained in the Modelling Concepts page here: [Modeling Concepts](#)

CDS will require a main components to be able to build a service instance, Following the instructions below in the following order to onboard the Data Dictionary and CBA Package.

1. Load the latest DD.json and run the . dd.sh script in rancher.
2. Once this is step is completed, access the CDS UI and upload the latest CBA and execute in the following sequence:
  - a. Enrich
  - b. Save
  - c. Deploy
  - d. if upload via SDC: Click on Download and use the Enriched CBA Package to onboard via SDC Artifact Deployment for the VF Model.

Controller Blueprint Package	Data Dictionary
<div><p>[Deploy the cba using CDS UI by following the steps of Enrich, Save, Deploy]</p><p>vDNS CBA.zip</p><div><div>Portability</div><div><div><div>T i m e  T o  V a l u e</div><div><div>Special Delivery</div><div><div>Controller Design Studio</div><div>CBA</div><div>Cloud Application</div></div></div><div>Automation Management Declarative Engine</div></div><div>Customized</div></div></div></div>	<p>dd UPDATES IN cds ui with processor-db1.zip</p>
<p>NOTE:</p> <ul style="list-style-type: none"><li>• Within a single <b>Controller Blueprint Archive (CBA)</b> package for VLB CDS shall support both E2E Automation and Scale Out Use Case.</li><li>• The CBA Package is a portable cloud package that enables<ul style="list-style-type: none"><li>◦ Declarative cloud provisioning</li><li>◦ Configuration Life-cycle Management of VNF/PNF/CNF.</li><li>◦ Customization to meet service providers/vendor/business needs.</li></ul></li></ul>	

In ONAP Dublin release, those components need to be built manually.

After building the CBA and Data Dictionary, we can use the CDS UI to add the Data Dictionary to CDS, and to deploy the CBA in CDS.

First, we logon to CDS UI using the url `http://<onap_ip_address>:30497`.

Choose Controller Blueprint, select file, and update Metadata, the NEXT.

## Notes:

- The UI currently doesn't throw exception on failures so please have the inspection network view enable.

The screenshot displays the 'Controller Blueprint Design Studio' interface. On the left is a 'Menu' sidebar with 'Controller Blueprint' and 'Resource Definition' options. The main area shows a workflow for step 1, 'CBA Metadata'. Step 2, 'Browse CBA Template file', includes a 'Choose File' button, a text input showing 'vdns1461.zip', and an 'Upload' button. Step 3, 'Enter Metadata details', is partially visible. A 'Next' button is at the bottom. Red arrows highlight the 'Controller Blueprint' menu item, the 'Choose CBA Template file' step, the 'Choose File' button, the file name 'vdns1461.zip', and the 'Upload' button.

# Controller Blueprint Design Studio

1 CBA Metadata

2 Controller Blueprint Designer

3 Test

Choose CBA Template file

Browse CBA Template file

3 Enter Metadata details

Template Author  
Abdelmuhamen Seaudi

Author Email  
abdelmuhamen.seaudi@orange.c

User Groups  
ADMIN, OPERATION

Template Name  
test

Template Version  
1.0.0

Template Tags  
test, vDNS-CDS, SCALE-OUT, M/

Save Metadata

Next

Enrich, Save, Publish, and finally Deploy, and you should receive a success notification.

Controller Blueprint Design Studio

1 CBA Metadata

2 Controller Blueprint Designer

3 Test

vdns1461

Plans

Scripts

Templates

TOSCA-Metadata

Definitions

artifact\_types.json

data\_types.json

node\_types.json

policy\_types.json

relationship\_types.json

```
1- {
2-   "tosca_definitions_version": "controller_blueprint_1_0_0",
3-   "metadata": {
4-     "template_author": "Abdelmuhamen Seaudi",
5-     "author_email": "abdelmuhamen.seaudi@orange.com",
6-     "user_groups": "ADMIN, OPERATION",
7-     "template_name": "test",
8-     "template_version": "1.0.0",
9-     "template_tags": "test, vDNS-CDS, SCALE-OUT, MARCO"
10-  },
11-  "imports": [
12-    {
13-      "file": "Definitions/data_types.json"
14-    },
15-    {
16-      "file": "Definitions/relationship_types.json"
17-    },
18-    {
19-      "file": "Definitions/artifact_types.json"
20-    },
21-    {
22-      "file": "Definitions/node_types.json"
23-    },
24-    {
25-      "file": "Definitions/policy_types.json"
26-    }
27-  ],
28-  "dsl_definitions": {
29-    "ipam-1": {
30-      "type": "tnken-auth".
31-    }
32-  }
33-}
```

Designer View

Enrich Save Publish Deploy Download

In ONAP Dublin release, if an error happens, there's no error shown to the user, so we need to show the browser console, in order to see if there's an error while deploying the CBA.

## Notes:

- There are workarounds that we need. — "Naming" - resource-assignment content in the definition file and that needs to be removed.


If we want to add one Dictionary item, we start in the CDS UI home screen, select New Resource.

The screenshot shows a web browser window with the URL `cds-ui:30497/resource-definition`. The page title is "Controller Blueprint Design Studio". On the left, there is a "Menu" with two items: "Controller Blueprint" and "Resource Definition". The "Resource Definition" item is selected, and a red arrow points to it. The main content area is titled "1 Resource creation Method" and contains a section titled "1 Choose Resource file". This section has three radio button options: "Upload Resource File", "New Resource" (which is selected, indicated by a red arrow), and "Existing Model Resource". At the bottom of the main content area, there is a blue "Proceed" button, also indicated by a red arrow.

Paste the Dictionary Definition JSON string and submit.

← → ↻ ⚠ Not secure | cds-ui:30497/resource-definition

☰ Controller Blueprint Design Studio

 Resource creation Method

Open in Editor Mode

☰ ☰ 🔧 Text ▾

```
{
  "name": "key_name",
  "data_type": "string",
  "description": "key_name",
  "entry_schema": "string",
  "updatedBy": "MALAKOV, YURIY <yuriy.malakov@att.com>",
  "tags": "key_name",
  "definition": {
    "tags": "key_name",
    "name": "key_name",
    "property": {
      "description": "dcae_collector_ip",
      "type": "string"
    }
  },
  "updated-by": "MALAKOV, YURIY <yuriy.malakov@att.com>",
  "sources": {
    "input": {
      "type": "source-input"
    },
    "default": {
      "type": "source-default",
      "properties": {}
    },
    "primary-config-data": {
      "type": "source-rest",
      "properties": {
```

Back Save

If we want to add many Dictionary items, we can create a JSON list of all the dictionary items and save them in a file called dd.json, and then run the [dd.sh](#) script below in the same folder where dd.json is located.

## Push Data Dictionaries

```
#!/bin/bash
# Author: abdelmuhammen.seaudi@orange.com
# Usage: name this script as dd.sh, and put the data dictionaries list JSON as dd.json in the same directory,
and run dd.sh
# dd.sh will read the dictionary list JSON from dd.json, will output to stdout the number of Definitions found,
and will start pushing them one by one to CDS DB
l=`jq '.|length' dd.json`
echo "Found $l Dictionary Definition Entries"
i=0
while [ $i -lt $l ]
do
    echo "i = $i"
    d=`jq ".$i" dd.json`
    echo $d
    #REPLACE <cds-ui> with the IP Address of ONAP
    curl 'http://<cds-ui>:30497/resourcedictionary/save' -v -X POST -H 'Content-type: application/json' -d"$d"
    sleep 1
    echo -e "\n*****\n"
    i=$(( $i + 1 ))
done
```

## Policy Naming Modeling

Within the E2E automation provided by CDS, we have a capability that can generate a name for a component, like a VNF or VF Module.

This capability runs with ONAP POLICY component, where POLICY has the rule that will be used to generate the names

The override.yaml file above has an option "preload=true", that will tell the POLICY component to run the push\_policies.sh script as the POLICY PAP pod starts up, which will in turn create the Naming Policy and push it.

To check that the naming policy is created and pushed OK, we can run the commands below.

## SDNC Naming policy

```
bash-4.4$ curl -k --silent -X POST \
--header 'Content-Type: application/json' \
--header 'ClientAuth: cHl0aG9uOnRlc3Q=' \
--header 'Authoment: TEST' \
-d '{ "policyName": "SDNC_Policy.Config_MS_ONAP_VNF_NAMING_TIMESTAMP.1.xml" }' \
'https://pdp:8081/pdp/api/getConfig'

{"policyConfigMessage":"Config Retrieved! ",
"policyConfigStatus":"CONFIG_RETRIEVED",
"type":"JSON",
"config":{"service":"SDNC-GenerateName","version":"CSIT","content":{"policy-instance-name":"ONAP_VNF_NAMING_TIMESTAMP","naming-models":[{"naming-properties":[{"property-name":"AIC_CLOUD_REGION","property-name":"CONSTANT","property-value":"ONAP-NF","property-name":"TIMESTAMP","property-value":"_","property-name":"DELIMITER"}],"naming-type":"VNF","naming-recipe":"AIC_CLOUD_REGION|DELIMITER|CONSTANT|DELIMITER|TIMESTAMP"},"naming-properties":[{"property-name":"VNF_NAME","property-name":"SEQUENCE","increment-sequence":{"max":"zzz","scope":"ENTIRETY","start-value":"001","length":"3","increment":"1","sequence-type":"alpha-numeric"}],"property-name":"NFC_NAMING_CODE"},"property-value":"_","property-name":"DELIMITER"}],"naming-type":"VNFC","naming-recipe":"VNF_NAME|DELIMITER|NFC_NAMING_CODE|DELIMITER|SEQUENCE"},"naming-properties":[{"property-name":"VNF_NAME","property-value":"_","property-name":"DELIMITER"},"property-name":"VF_MODULE_LABEL"},"property-name":"VF_MODULE_TYPE"},"property-name":"SEQUENCE","increment-sequence":{"max":"zzz","scope":"PRECEDING","start-value":"01","length":"3","increment":"1","sequence-type":"alpha-numeric"}],"naming-type":"VF-MODULE","naming-recipe":"VNF_NAME|DELIMITER|VF_MODULE_LABEL|DELIMITER|VF_MODULE_TYPE|DELIMITER|SEQUENCE"}]}",
"policyName":"SDNC_Policy.Config_MS_ONAP_VNF_NAMING_TIMESTAMP.1.xml",
"policyType":"MicroService",
"policyVersion":"1",
"matchingConditions":{"ECOMPName":"SDNC","ONAPName":"SDNC","service":"SDNC-GenerateName"},
"responseAttributes":{},
"property":null}}
```

In case the policy is missing, we can manually create and push the SDNC Naming policy using the commands below.

## Create and Push SDNC Naming Policy

```
#####Create SDNC Naming Policies#####
echo "Create Generic SDNC Naming Policy for VNF"
sleep 2
echo "Create SDNC vFW Naming Policy"
curl -k -v --silent -X PUT --header 'Content-Type: application/json' --header 'Accept: text/plain' --header
'ClientAuth: cHl0aG9uOnRlc3Q=' --header 'Authorization: Basic dGVzdHBkcDphbHBoYTEyMw==' --header 'Environment:
TEST' -d '{
  "configBody": "{ \"service\": \"SDNC-GenerateName\", \"version\": \"CSIT\", \"content\": { \"policy-
instance-name\": \"ONAP_VNF_NAMING_TIMESTAMP\", \"naming-models\": [ { \"naming-properties\": [ { \"property-
name\": \"AIC_CLOUD_REGION\", { \"property-name\": \"CONSTANT\", \"property-value\": \"ONAP-NF\"}, { \"
property-name\": \"TIMESTAMP\" }, { \"property-value\": \"_\", \"property-name\": \"DELIMITER\" } ], \"naming-
type\": \"VNF\", \"naming-recipe\": \"AIC_CLOUD_REGION|DELIMITER|CONSTANT|DELIMITER|TIMESTAMP\" }, { \"naming-
properties\": [ { \"property-name\": \"VNF_NAME\", { \"property-name\": \"SEQUENCE\", \"increment-sequence\":
{ \"max\": \"zzz\", \"scope\": \"ENTIRETY\", \"start-value\": \"001\", \"length\": \"3\", \"increment\": \"1\",
\"sequence-type\": \"alpha-numeric\" } }, { \"property-name\": \"NFC_NAMING_CODE\", { \"property-value\": \"
_\", \"property-name\": \"DELIMITER\" } ], \"naming-type\": \"VNFC\", \"naming-recipe\": \"
VNF_NAME|DELIMITER|NFC_NAMING_CODE|DELIMITER|SEQUENCE\" }, { \"naming-properties\": [ { \"property-name\": \"
VNF_NAME\", { \"property-value\": \"_\", \"property-name\": \"DELIMITER\" }, { \"property-name\": \"
VF_MODULE_LABEL\", { \"property-name\": \"VF_MODULE_TYPE\", { \"property-name\": \"SEQUENCE\", \"increment-
sequence\": { \"max\": \"zzz\", \"scope\": \"PRECEDING\", \"start-value\": \"01\", \"length\": \"3\", \"
increment\": \"1\", \"sequence-type\": \"alpha-numeric\" } } ], \"naming-type\": \"VF-MODULE\", \"naming-
recipe\": \"VNF_NAME|DELIMITER|VF_MODULE_LABEL|DELIMITER|VF_MODULE_TYPE|DELIMITER|SEQUENCE\" } ] } }\",
  "policyName": "SDNC_Policy.ONAP_VNF_NAMING_TIMESTAMP",
  "policyConfigType": "MicroService",
  "onapName": "SDNC",
  "riskLevel": "4",
  "riskType": "test",
  "guard": "false",
  "priority": "4",
  "description": "ONAP_VNF_NAMING_TIMESTAMP"
}' 'https://pdp:8081/pdp/api/createPolicy'
#####Pushing SDNC Naming Policies#####
echo "Pushing SDNC Naming Policies"
sleep 2
echo "pushPolicy : PUT : SDNC_Policy.ONAP_VNF_NAMING_TIMESTAMP"
curl -k -v --silent -X PUT --header 'Content-Type: application/json' --header 'Accept: text/plain' --header
'ClientAuth: cHl0aG9uOnRlc3Q=' --header 'Authorization: Basic dGVzdHBkcDphbHBoYTEyMw==' --header 'Environment:
TEST' -d '{
  "pdpGroup": "default",
  "policyName": "SDNC_Policy.ONAP_VNF_NAMING_TIMESTAMP",
  "policyType": "MicroService"
}' 'https://pdp:8081/pdp/api/pushPolicy'
```

## SDC Modeling & Distribution

# Introduction

The purpose of this article is to describe the vDNS use case distribution in Dublin Release.

## What's new

The Controller Blueprint Archive CBA is a zip archive that hosts all the service model related artifacts (heat templates, blueprints, vtl templates, workflows, etc ...) that can enable ONAP to assign and instantiate the service.

Controller Design Studio CDS should receive a notification when a new service model is distributed by SDC, and then CDS will download the CBA CSAR file and deploy it.

## Distribution of a VNF CBA

Login to ONAP as Designer (cs0008/demo123456!), and click on SDC application.



## Part 1 - Create a New Virtual Software Product

In SDC, select the ONBOARD button > click on Create New VSP button > fill in the **Name**, **Vendor**, **Category**, **Description** and select the **Network Package** for on-boarding procedure as illustrated below.

Once the form is populated for New Software Product click on **Create**.

SDC v.1.4.1 ONBOARD

ACTIVE ITEMS

- ENTITY TYPE
  - VSP
  - VLM
- PERMISSIONS
  - Owner
  - Contributor
- ONBOARDING PROCEDURE
  - Network Package
  - Manual

WORKSPACE

ONBOARD CATALOG

New Software Product

\* Name: vDNS CDS Software Product

\* Vendor: ONAP-E

\* Category: Abstract (Generic)

\* Description: DEMO

ONBOARDING PROCEDURE

☒ Network Package

☐ Manual

CREATE CANCEL

In Software Product Details Screen in SDC, the users must populate the license information and the software product. For the vLB CDS use case the software product for the heat package is obtain from the following link: [vLB CDS HEAT PACKAGE](#).

Once the for License and Software Product Attachment is populated then click on the **Submit** button.

SDC v.1.4.1 ONBOARD ONAP-E Software Products 123 Overview

123 V 1.0 Draft Versions Page

Permissions State Sync Skate Report Submit

Overview

- General
- Process Details
- Networks
- Validation
- Validation Results
- Activity Log

SOFTWARE PRODUCT DETAILS

123

Vendor: ONAP-E

Description: 123

Category: Abstract (Generic)

License Agreement: Missing

SOFTWARE PRODUCT ATTACHMENTS

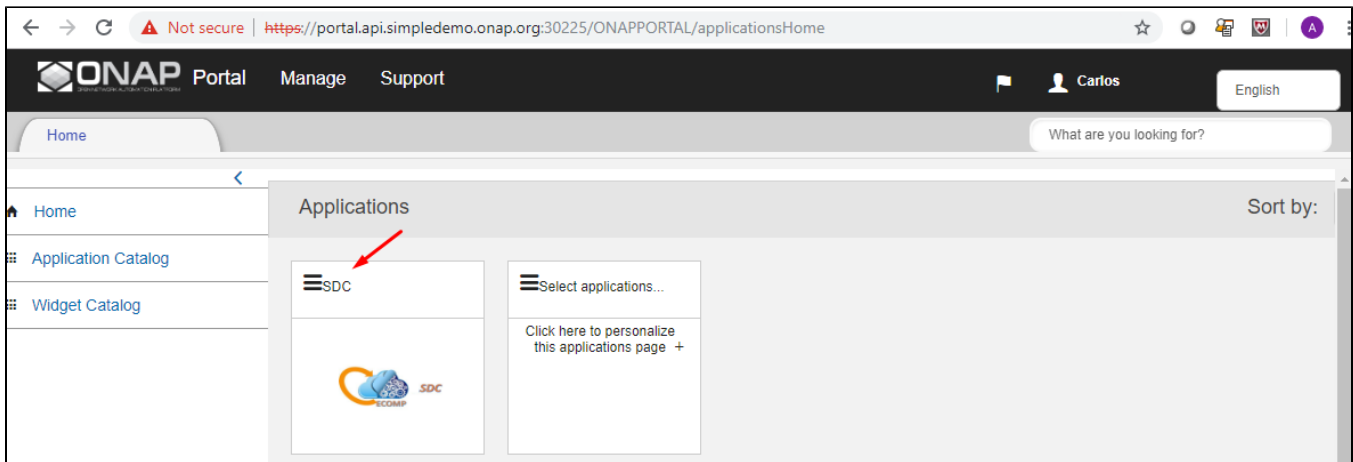
Drag & drop for upload

or

SELECT FILE

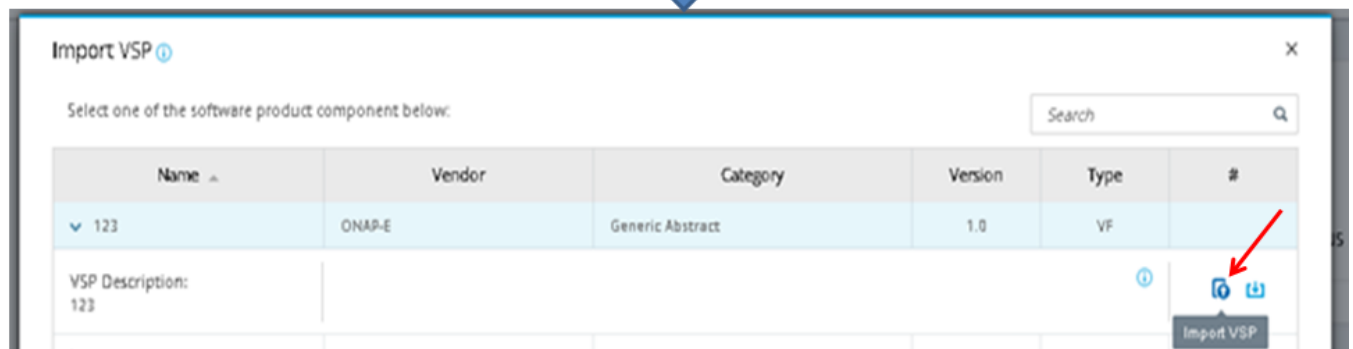
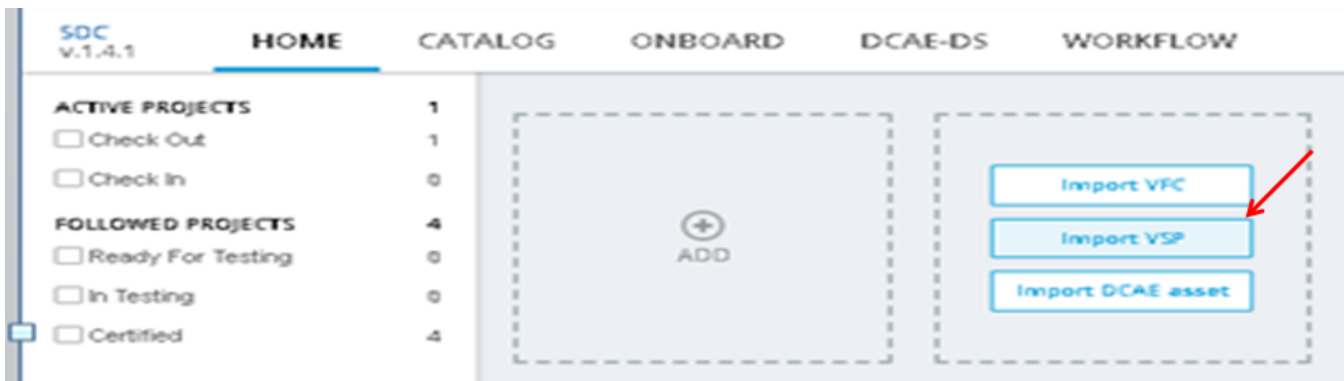
Search in Repository

## Part 2 - Create VF Model and Certify



Click on the Import VSP from the HOME page.

From the list of VSP, select the Specific vLB CDS VSP for IMPORT to create the VF in SDC.



We fill in the VF name and description, etc ..., and click "Create".

← → ↻ ⚠ Not secure | https://portal.api.simpledemo.onap.org:30225/ONAPPORAL/applicationsHome ☆ 🗄 🛡 🏠 A

**ONAP** Portal Manage Support Carlos English

Home SDC X What are you looking for?

SDC v.1.4.0 HOME ▸ VF: CDS-VNF-TEST ▸ General ▸

CDS-VNF-TEST IN DESIGN Create X

**General**

- Deployment Artifact
- Information Artifact
- TOSCA Artifacts
- Composition
- Operation
- Activity Log
- Deployment
- Properties Assignment
- Req. & Capabilities

General

Save ↻

\* Name CDS-VNF-TEST

\* Contact ID: cs0008

\* Category Network Elements

\* Vendor vendor

\* Vendor Release 1.0

Vendor Model Number

Tags

CDS-VNF-TEST

\* Description CDS VNF TEST

Click on "Deployment Artifact", then "Add other artifacts", and select the vDNS.zip CBA.

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**ONAP** Portal Manage Support Carlos English

Home SDC X What are you looking for?

SDC v.1.4.0 HOME ▸ VF: CDS-VNF-TEST ▸ Deployment Artifact ▸

CDS-VNF-TEST V0.1 IN DESIGN CHECK OUT Certify Check in X

General

**Deployment Artifact**

Information Artifact

TOSCA Artifacts

Composition

Operation

Activity Log

Deployment

Properties Assignment

Req. & Capabilities

Deployment Artifact

+ Add

Name	Type	Deployment timeout	Version	UUID
There are no deployment artifacts to display				

+ Add Other Artifact

← → ↻ Not secure | https://portal.api.simpledemo.onap.org:30225/ONAPPORTAL/applicationsHome ☆ ○ 📄

**ONAP** Portal Manage Support Carlos

Home SDC × What are you looking for?

SDC v.1.4.0 HOME ▸ VF: CDS-VNF-TEST ▸ Deployment Artifact ▸

CDS-VNF-TEST V0.1 ▾ IN DESIGN CHECK OUT Certify Check in

General  
Deployment Artifact  
Information Artifact  
TOSCA Artifacts  
Composition  
Operation  
Activity Log  
Deployment  
Properties Assignment  
Req. & Capabilities

+ Add

Name	Type	Deployment	Version	UUID
------	------	------------	---------	------

×

\* Upload File

vDNS.zip × Browse

\* Artifact Label

label

\* Type

CONTROLLER\_BLUEPRINT\_ARCHIVE ▾

\* Description

cba

Done Add Another

Check the artifact is uploaded OK, and click on "Certify".

← → ↻ ⚠ Not secure | https://portal.api.simpledemo.onap.org:30225/ONAPPORAL/applicationsHome ☆ ○ 📄 🏠

**ONAP** Portal Manage Support 🚩 👤 Carlos English

Home SDC X What are you looking for?

SDC v.1.4.0 HOME ▶ VF: CDS-VNF-TEST ▶ Deployment Artifact ▶

CDS-VNF-TEST

General

**Deployment Artifact**

Information Artifact

TOSCA Artifacts

Composition

Operation

Activity Log

Deployment

Properties Assignment

Req. & Capabilities

VO.1 ▾ IN DESIGN CHECK OUT

**Certify** Check in

## Deployment Artifact

[+ Add](#)

Name	Type	Deployment timeout	Version	UUID	
label	CON...		1	49e48fbc-d176-4794-...	
<div> Add Other Artifact</div>					

Add a comment, and submit, you should receive a success notification, and we are back in SDC Home Screen.

### Part 3 - Create Service Model, Certify and Distribute

Now, let's create a new service model, and add the newly created VF (including CBA artifact) to the new service model. Click on "Add Service"

← → ↻ ⚠ Not secure | <https://portal.api.simpledemo.onap.org:30225/ONAPPORTAL/applicationsHome>

**ONAP** Portal Manage Support

Home SDC X

SDC v.1.4.0 HOME CATALOG ONBOARD DCAE-DS WORKFLOW

**ACTIVE PROJECTS** 2

- ☐ Check Out 2
- ☐ Check In 0

**FOLLOWED PROJECTS** 19

- ☐ Ready For Testing 0
- ☐ In Testing 0
- ☐ Certified 19

Add VF

Add CR

Add PNF

Add Service

IMPORT

S L1-3

DemoVCPEvGW V 1.0 Distributed

S L1-3

DemoVLB V 1.0 Distributed

S L1-3

DemoVCPEvBRGEMU V 1.0 Distributed

S L1-3

DemoVFWCL V 1.0 Distributed

S S

Service-Test V 2.0 Distributed

S

DemoVCPEvBN V 1.0 Distributed

Add service name and description, and click on "Create". Choose Instantiation Type: Macro.

← → ↻ Not secure | https://portal.api.simplesdemo.onap.org:30225/ONAPPORAL/applicationsHome ☆ ⓘ 🔍

**ONAP** Portal Manage Support Carlos English

Home SDC X What are you looking for?

SDC v.1.1.4.0 HOME SERVICE: CD General

CD IN DESIGN Create X

**General**

- TOSCA Artifacts
- Composition
- Operation
- Activity Log
- Management Workflow
- Network Call Flow
- Deployment
- Properties Assignment
- Req. & Capabilities
- Monitoring

**General**

**Name** CDS-VNF-TEST **Contact ID:** cs0008

**Category** Network L4+ **Project Code:** 123456

**Tags** CDS-VNF-TEST **Ecomp Generated Naming** true

**Description** CDS VNF TEST **Naming Policy**

**Service Type**

Save ↻

Click on "Composition", and drag the VF we created from the palette on the left onto the canvas in the middle.

The screenshot shows the ONAP Portal interface. The top navigation bar includes 'Portal', 'Manage', and 'Support'. The user is logged in as 'Carlos'. The main content area is titled 'Composition' for the service 'CDS-VNF-TEST'. On the left, a list of elements is shown, with 'CDS-VNF-TEST' (Type: VF) selected. A dropdown menu is open, showing options like 'General', 'TOSCA Artifacts', 'Composition', 'Operation', etc. The right sidebar displays the 'GENERAL INFO' for the service, including details like 'Type: SERVICE', 'Version: 0.1', and 'Creation Date: 05/09/2019'.

Click on Properties Assignments, then click on the service name, e.g. "CDS-VNF-TEST" from the right bar.

Type "sdnc" in the filter box, and add the sdnc\_model\_name, sdnc\_model\_version, and sdnc\_artifact\_version, and click "Save".

The screenshot shows the 'Properties Assignment' view for the service 'CDS-VNF-TEST'. The left sidebar lists various properties, with 'Properties Assignment' selected. The main area displays a table of properties with columns for 'Property Name', 'Type', 'ES', and 'Value'. The 'sdnc' filter is applied, and the following properties are listed:

Property Name	Type	ES	Value
sdnc_model_version	string		1.0.0
sdnc_artifact_name	string		cds-vnf-template
sdnc_model_name	string		test

The 'Submit for Testing' button is highlighted in the top right corner.

Type "skip" in the filter box, and set "skip post instantiation" to FALSE, then click "Save".

Then, click on "Submit for Testing".



ONAP Portal Manage Support Carlos English

Home SDC x What are you looking for?

SDC v.1.4.0 HOME SERVICE: CDS-VNF-TEST Properties Assignment

CDS-VNF-TEST V1.2 IN DESIGN CHECK OUT Submit for Testing Check in

General  
TOSCA Artifacts  
Composition  
Operation  
Activity Log  
Management Workflow  
Network Call Flow  
Deployment  
Properties Assignment

### Properties Assignment

Properties Inputs Policies

Property Name Type ES Value Discard Save

CDS-VNF-TEST 0				
skip_post_instantiation_configuration	boolean		FALSE	

Composition Property Structure

CDS-VNF-TEST

SELF

CDS-VNF-TEST 0

Red arrows point to: 'skip' search filter, 'Save' button, 'FALSE' value, and 'CDS-VNF-TEST 0' in the composition structure.

Login as Tester (jm0007/demo123456!) and accept the new service.

ONAP Portal Manage Support Joni English

Home SDC x What are you looking for?

SDC v.1.4.0 HOME SERVICE: CDS-VNF-TEST General

CDS-VNF-TEST V0.1 IN TESTING Accept Reject Cancel x

General

TOSCA Artifacts  
Composition  
Operation  
Activity Log  
Management Workflow  
Network Call Flow  
Deployment  
Properties Assignment  
Req. & Capabilities

\* Name: CDS-VNF-TEST

\* Contact ID: cs0008

\* Category: Network L4+

\* Project Code: 123456

Tags: CDS-VNF-TEST

Ecomp Generated Naming: true

Naming Policy:

\* Description: CDS-VNF-TEST

Service Type:

Red arrow points to the 'Accept' button.

Login as Governor (gv0001/demo123456!) and approve for distribution.

← → ↻ ⚠ Not secure | https://portal.api.simpledemo.onap.org:30225/ONAPPORTAL/applicationsHome ☆ 🗄 📄 📱 🌐 A

**ONAP** Portal Manage Support 🚩 👤 David English

Home SDC X What are you looking for?

SDC v.1.4.0 HOME SERVICE: CDS-VNF-TEST General

CDS-VNF-TEST V1.0 WAITING FOR DISTRIBUTION Approve Reject X

**General**

TOSCA Artifacts

Composition

Operation

Activity Log

Management Workflow

Network Call Flow

Deployment

Properties Assignment

Req. & Capabilities

**General**

**Name** CDS-VNF-TEST

**Contact ID:** cs0008

**Category** Network L4+

**Project Code:** 123456

**Tags**

CDS-VNF-TEST

**Description** CDS VNF TEST

**Ecomp Generated Naming** true

**Naming Policy**

**Service Type**

Login as Operator (op0001/demo123456!) and click on "Distribute".

← → ↻ ⚠ Not secure | https://portal.api.simpledemo.onap.org:30225/ONAPPORTAL/applicationsHome ☆ 🗄 📄 📱 🌐 A

**ONAP** Portal Manage Support 🚩 👤 Steve English

Home SDC X What are you looking for?

SDC v.1.4.0 HOME SERVICE: CDS-VNF-TEST General

CDS-VNF-TEST V1.0 DISTRIBUTION APPROVED Distribute Monitor X

**General**

TOSCA Artifacts

Composition

Operation

Activity Log

Management Workflow

Network Call Flow

Distribution

Deployment

Properties Assignment

Req. & Capabilities

**General**

**Name** CDS-VNF-TEST

**Contact ID:** cs0008

**Category** Network L4+

**Project Code:** 123456

**Tags**

CDS-VNF-TEST

**Description** CDS VNF TEST

**Ecomp Generated Naming** true

**Naming Policy**

**Service Type**

Click on "Monitor" to check the progress of the distribution, and check that all ONAP components were notified, and downloaded the artifacts, and deployed OK.

The screenshot shows the ONAP Portal interface. The top navigation bar includes 'Home', 'SDC', and a search bar. The left sidebar has a 'Distribution' tab selected. The main content area shows the 'Distribution' page for the 'CDS-VNF-TEST' service. The page displays a table of distribution artifacts with columns for Distribution ID, User ID, Time, and status (Total Artifacts, Notified, Downloaded, Deployed, Not Notified). The table shows five artifacts, all with 0 Deploy Errors and 0 Download Errors. The 'Distribution' tab is selected in the left sidebar.

Distribution ID	User ID	Time[UTC]	Total Artifacts	Notified	Downloaded	Deployed	Not Notified	Deploy Errors	Download Errors
f60e2776-f11a-4e0e-b8dd-odd5f6bbb72	Oper Pop0001	05/09/2019 10:49AM	15	5	4	4	10	0	0
SO-COpenSource-Envv1			3	1	1	1	2	0	0
aal-ml			3	1	1	1	2	0	0
sdC-COpenSource-Envv1-sdnc-dockero			3	1	1	1	2	0	0
policy-id			3	1	1	1	2	0	0
cds			3	1	0	0	2	0	0