

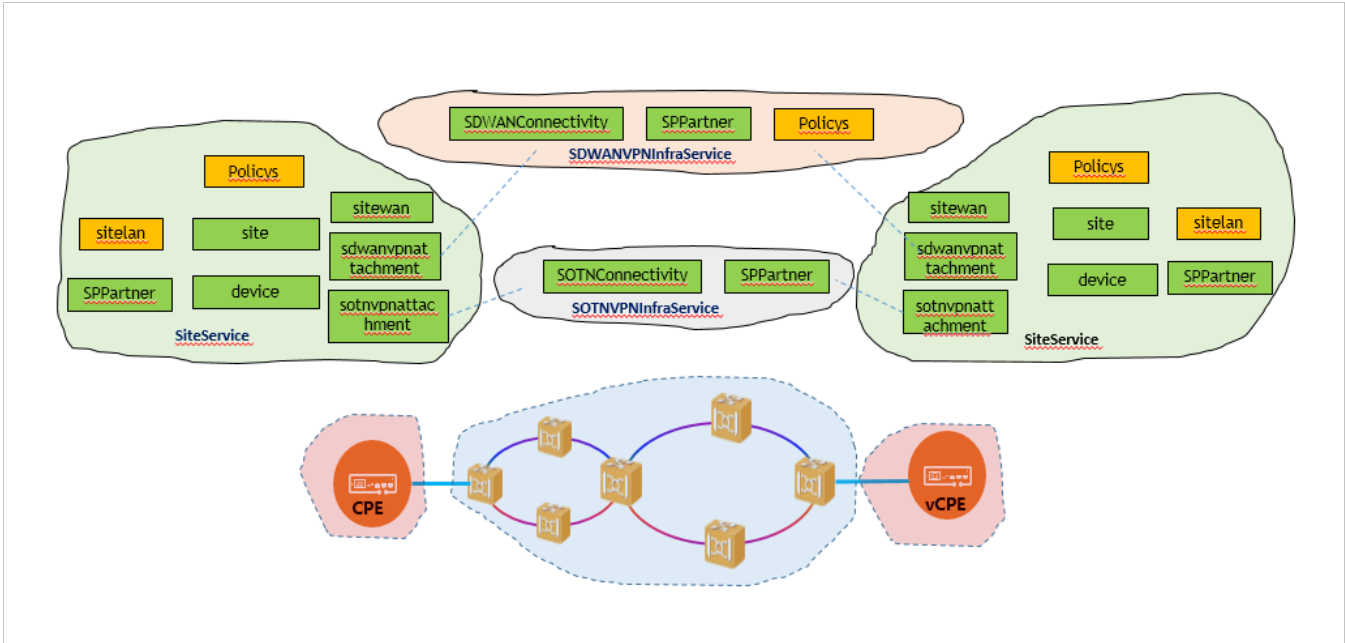
CCVPN Service Design

CCVPN Service View

In Casablanca Release ,we will design CCVPN Use Case as three services. SOTNVPNIInfraService, SDWANVPNIInfraService and SiteService.

In the actual scenario, a customer will have several sites locate at different locations. And the customer will aslo have different vpns for different site LANs.

So when se use these templates, we will have one SOTNVPNIInfraService, several SDWANVPNIInfraServices, several SiteServices.



Note: The green colored models will be delivered in Casablanca release. the orange ones will be in plan.

CCVPN Resource Data Models


device.yml


sdwanConnectivity.yml



sdWanVpnInfraAttachment.yml



site.yml



siteWanPort.yml



sotnConnectivity.yml



sotnVpnInfraAttachment.yml



spPartner.yml

Guidance to design CCVPN

import VLs

import sotnConnectivity and sdwanConnectivity as VLs.

Now SDC have no portal to support VL import , we need to use SDC scripts to import the VLs.

1. put the VL information under a folder with its import properties json. Refer to the files below.



2. Copy the unzipped folder to SDC BE Container. Script example if the ONAP installed by OOM:

```
kubectl -n onap cp sotnConnectivity dev-sdc-sdc-be-5c97bdf68-z2hj5:/tmp/jetty-0.0.0-8080-catalog-be-1.3.2-war-_catalog-be-1.3.2-any-1083601271032916979.dir/webapp/WEB-INF/classes/import/tosca/normative-types/ -c sdc-be
```



```
kubectl -n onap cp sdwanConnectivity dev-sdc-sdc-be-5c97bdf68-z2hj5:/tmp/jetty-0.0.0-8080-catalog-be-1.3.2-war-_catalog-be-1.3.2-any-1083601271032916979.dir/webapp/WEB-INF/classes/import/tosca/normative-types/ -c sdc-be
```
3. run SDC BE scripts to import the VLs(note: the sdc be of Casablanca release have no python by default , you need to install it).

```
cd /tmp/jetty-0.0.0-8080-catalog-be-1.3.2-war-_catalog-be-1.3.2-any-1083601271032916979.dir/webapp/WEB-INF/classes/scripts/import/tosca
```

```
vi importNormativeTypes.py to add our VLs.(normativeTypes = [ "root", "compute", "sotnConnectivity", "sdwanConnectivity", "softwareComponent", "webServer", ,,,])
```

```
python importNormativeTypes.py
```

Import VFCs

import sppartner, device, site , sitewanport, sotnvpnattachment, sdwanvpnattachment as VFC.

We do this by SDC portal.

The screenshot shows the ONAP SDC portal interface. The top navigation bar includes 'ONAP Portal', 'Manage', 'Support', and a user profile 'Carlos'. The main navigation bar has 'Home', 'SDC', and a search bar. The breadcrumb trail is 'HOME > VFC: sppartner > General'. The left sidebar lists various menu items: 'sppartner', 'General', 'Deployment Artifact', 'Information Artifact', 'TOSCA Artifacts', 'Properties', 'Attributes', 'Req. & Capabilities', and 'Activity Log'. The main content area is titled 'General' and contains several form fields: 'Name' (sppartner), 'Category' (Configuration), 'Tags' (sppartner), 'Description' (sppartner), 'Upload VFC' (spPartner.yml), 'Contact ID' (cs0008), 'Vendor' (onap), 'Vendor Release' (1.0), and 'Vendor Model Number'. A 'Save' button is visible at the top right of the form area.

Design VFs

Design VFs: Design sspartnerVF(composite by sspartner), deviceVF(composite by device), siteVF(composite by site), sitewanVF(composite by sitewanport),

sotnvpattachmentVF(composite by sotnvpattachment and allotted resource), sdwanvpattachmentVF(composite by sdwanvpattachment and allotted resource).

The screenshot shows the ONAP SDC v1.3.2 interface. The top navigation bar includes 'Portal', 'Manage', and 'Support' links, along with a user profile 'Carlos'. The main breadcrumb trail is 'HOME > VF: deviceVF > Composition'. The left sidebar shows 'Elements' with a search bar containing 'device' and a list of 'Configuration' elements, including 'device V.1.0 Type: VFC'. The central canvas displays a single resource 'device' in the center. The right sidebar shows the 'deviceVF' resource details under 'GENERAL INFO', including Type: RESOURCE, Resource Type: VF, Version: 0.1, Category: Configuration, Sub Category: Configuration, Creation Date: 11/20/2018, Author: Carlos Santana, Vendor Name: onap, Vendor Release: 1.0, Vendor Model Number, Contact ID: cs0008, and Description: deviceVF. Action buttons 'Certify', 'Check in', and a trash icon are visible at the top right of the canvas.

The screenshot shows the ONAP SDC v1.3.2 interface. The top navigation bar includes 'Portal', 'Manage', and 'Support' links, along with a user profile 'Carlos'. The main breadcrumb trail is 'HOME > VF: sotnvpattachmentVF > Composition'. The left sidebar shows 'Elements' with a search bar containing 'all' and a list of 'Allotted Resource' elements, including 'AllottedResour... V.1.0 Type: VFC'. The central canvas displays two resources: 'sotnvpatt...' and 'AllottedR...'. The right sidebar shows the 'sotnvpattachment...' resource details under 'GENERAL INFO', including Type: RESOURCE, Resource Type: VF, Version: 0.1, Category: Allotted Resource, Sub Category: Allotted Resource, Creation Date: 11/20/2018, Author: Carlos Santana, Vendor Name: onap, Vendor Release: 1.0, Vendor Model Number, Contact ID: cs0008, and Description: sotnvpattachmentVF. Action buttons 'Certify', 'Check in', and a trash icon are visible at the top right of the canvas.

Note: because sotnvpattachmentVF and sdwanvpattachmentVF are allotted resource, the properties of providing_service_invariant_uuid and providing_service_uuid should be filled as the id of SOTNVPNIinfraService and SDWANVPNIinfraService(you can create them first.)

Design Services

Design services: SOTNVPNIinfraService(composite by sotnconnectivity and sspartnerVF), SDWANVPNIinfraService(composite by sdwanconnectivity and sspartnerVF) SiteService(composite by sspartnerVF, deviceVF, siteVF, sitewanVF, sotnvpnatchmentVF, sdwanvpattachmentVF)

ONAP

PortalManageSupport

Carlos

HomeSDC

What are you looking for?

SDC v.1.3.2HOMESERVICE: SOTNVPNIInfraServiceComposition

Elements58

sdpart

CONFIGURATION

Configuration

R

SPPartnerVF

V.1.0

Type: VF

V0.1

IN DESIGN CHECK OUT

Submit for Testing

Check in

Service Flows: Hide all

VS

SOTNCon...

R

SPPartne...

R

SPPartnerVF

GENERAL INFO

Type: RESOURCE

Resource Type: VF

Version: 1.0

Category: Configuration

Sub Category: Configuration

Creation Date: 11/20/2018

Author: Carlos Santana

Vendor Name: onap

Vendor Release: 1.0

Vendor Model Number:

Contact ID: cs0008

Description: SPPartnerVF

ONAP

PortalManageSupport

Carlos

HomeSDC

What are you looking for?

SDC v.1.3.2HOMESERVICE: SDWANVPNIInfraServiceComposition

Elements58

sdwan

GENERIC

Infrastructure

R

SDWANConne...

V.1.0

Type: VL

ALLOTTED RESOURCE

V0.1

IN DESIGN CHECK OUT

Submit for Testing

Check in

Service Flows: Hide all

VL

SDWANC...

R

SPPartne...

R

SDWANConnectivity

GENERAL INFO

Type: RESOURCE

Resource Type: VL

Version: 1.0

Category: Generic

Sub Category: Infrastructure

Creation Date: 11/20/2018

Author: Jimmy Hendrix

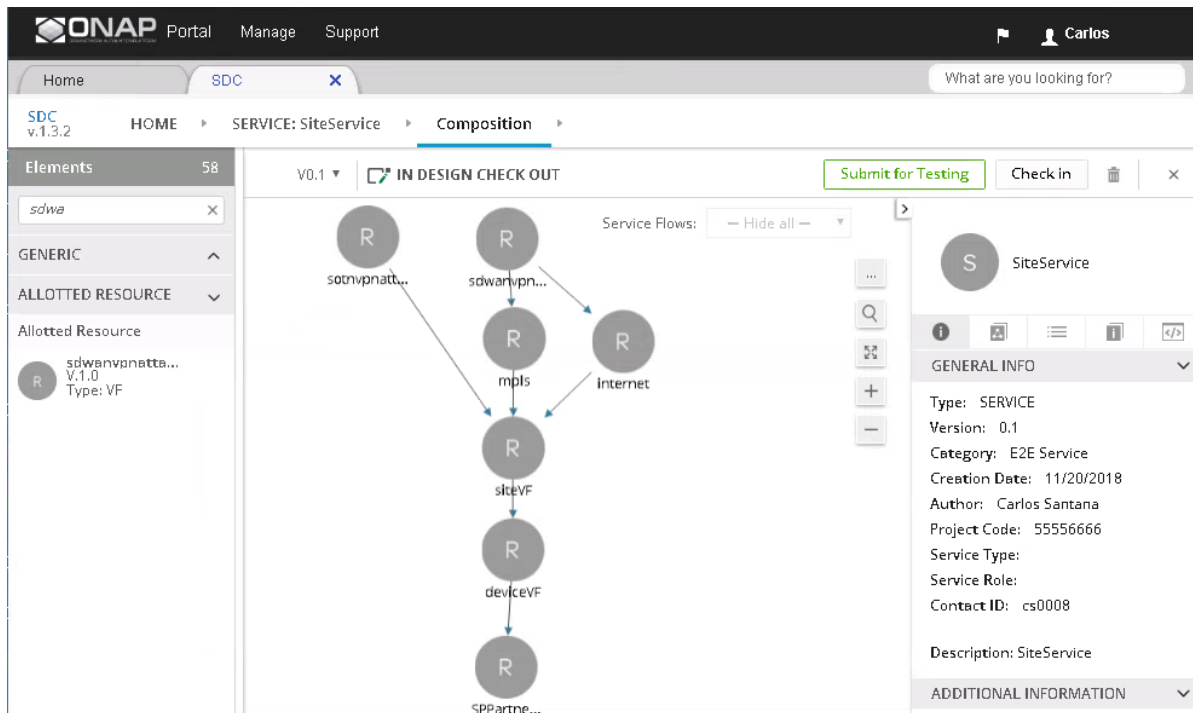
Vendor Name: ONAP (Tosca)

Vendor Release: 1.0.0.wd03

Vendor Model Number:

Contact ID: jh0003

Description: Represents SDWAN



CCVPN Service CSARs

To get more information of CCVPN service models, refer to the CSARs.



service-Sdwanvpn...ervice-csar.csar



service-Sotnvpni...ervice-csar.csar



service-Siteservice-csar.csar