

SDNC Component

Credentials

SDNC API URL: HEAT <http://sdnc:8282/apidoc/explorer/index.html>, OOM: http://cluster_node_ip:30267/apidoc/explorer/index.html

credential: admin/Kp8bJ4SXszM0WXlhak3eHlcse2gAw84vaoGGmJvUy2U

DGBuilder URL: http://{{sdnc_ip}}:3000/# with dguser/test123

MySQL:

```
ubuntu@onap-sdnc:~$ sudo docker exec -it sdnc_db_container bash
bash-4.2# mysql -u sdnctl -p sdnctl
Enter password: gamma
```

Overlay DG: GENERIC-RESOURCE-API(Module), dci-connects-network-topology-operation-activate(RPC)

Underlay DG: GENERIC-RESOURCE-API(Module), network-topology-operation-create

Log file for directed graph:

```
ubuntu@onap-sdnc:~$ sudo docker exec -it sdnc_controller_container bash
root@d135452786ee:cd /var/log/onap/sdnc
root@d135452786ee:tail -f karaf.log
```

Log file for ueb_listener:

```
root@ac761f8e8c33:/# cd /opt/app/ueb-listener/logs/
```

Disable Replica

```
root@sb00-rancher:~/oom# kubectl -n onap edit StatefulSet/dev-sdnc-sdnc
spec:
  podManagementPolicy: Parallel
  replicas: 1
  ...
  - name: SDNC_REPLICAS
    value: "1"
```

Steps to check DG

- http://{{cluster_ip}}:30203/# with dguser/test123

DB builder port

```
root@sb00-nfs: /opt/http_test_server/http_test_server/htdocs# kubectl get svc | grep 3000
appc-dgbuilder                               NodePort    10.43.133.199
<none>                                       3000:30228/TCP
cds-ui                                         NodePort    10.43.177.249
<none>                                       3000:30497/TCP
sdnc-dgbuilder                               NodePort    10.43.14.68
<none>                                       3000:30203/TCP
```

- Open menu from GUI top right corner, and choose ImportClipboard
- Copy DG json file from Gerrit `sdnc/oam/platform-logic/generic-resource-api/src/main/json`, e.g. [GENERIC-RESOURCE-API_dci-connects-network-topology-operation-activate.json](#)
- In the DG graph, click on the left of DGSTART node to see more function on the DG, like validate XML, download XML, etc
- You can download XML and search for error message you see in `sdnc_controller_container karaf log`

DG Tutorial

[Tutorial: vCPE Example : Using SLI-API for Prototyping](#)

[Tutorial: VoLTE Example: Adding REST Node](#)

There is some update needed for the DG in the above tutorial for Dublin

- namespace change
- FileRecorder plugin path change
- RestapiCallNode path change

Here is the update DG for VoLTE Adding REST Node example

VoLTE Adding Rest Call Node DG

```
{ "id": "1c91b4f1.e45473", "type": "service-logic", "name": "VOLTE-API 0.0.2-DEMO", "module": "VOLTE-API", "version": "0.0.2-DEMO", "comments": "", "xml": "<service-logic xmlns='http://www.onap.org/sdnc/svclogic' xmlns:xsi='http://www.w3.org/2001/XMLSchema-instance' xsi:schemaLocation='http://www.openecomp.org/sdnc/svclogic ./svclogic.xsd' module='VOLTE-API' version='0.0.2-DEMO'>", "outputs": "1", "x": "317.1666564941406", "y": "106.16667175292969", "z": "30ac5fe5.ab4d2", "wires": [ [ "a28ec6bd.3832d8" ] ], { "id": "40983a09.90a524", "type": "dgstart", "name": "DGSTART", "outputs": "1", "x": "111", "y": "81", "z": "30ac5fe5.ab4d2", "wires": [ [ "1c91b4f1.e45473" ] ], { "id": "a28ec6bd.3832d8", "type": "method", "name": "method volte-wan-activate", "xml": "<method rpc='volte-wan-activate' mode='sync'>\n", "comments": "", "outputs": "1", "x": "181.16668701171875", "y": "170.16665649414062", "z": "30ac5fe5.ab4d2", "wires": [ [ "e53e6cd.afc3f1" ] ], { "id": "e53e6cd.afc3f1", "type": "block", "name": "block : atomic", "xml": "<block atomic='true'>\n", "atomic": "true", "outputs": "1", "x": "389", "y": "258", "z": "30ac5fe5.ab4d2", "wires": [ [ "cda8e3.1218f", "9794fca5.9de488", "cd5f5503.b9f128", "19f372e1.31b345", "8ff8c47.cd19b38", "edd83200.432db8" ] ], { "id": "cda8e3.1218f", "type": "set", "name": "set: order-status = Active", "xml": "<set>\n\t<parameter name='service-data.oper-status.order-status' value='Active'>\n", "comments": "", "x": "597", "y": "603", "z": "30ac5fe5.ab4d2", "wires": [ [ ] ], { "id": "19f372e1.31b345", "type": "returnSuccess", "name": "return success", "xml": "<return status='success'>\n\t<parameter name='error-code' value='200' />\n\t<parameter name='error-message' value='`service-data.dcz-wanip=' + $service-data.dcz-wanip`' />\n", "comments": "", "x": "569", "y": "790", "z": "30ac5fe5.ab4d2", "wires": [ [ ] ], { "id": "9794fca5.9de488", "type": "set", "name": "set: service-data = input", "xml": "<set>\n\t<parameter name='service-data.' value='volte-wan-activate.' />\n", "comments": "", "x": "596.8888854980469", "y": "704.388916015625", "z": "30ac5fe5.ab4d2", "wires": [ [ ] ], { "id": "cd5f5503.b9f128", "type": "set", "name": "Set final indicator to Y", "xml": "<set>\n\t<parameter name='ack-final' value='Y' />\n", "comments": "", "x": "591.2063369750977", "y": "748.1031608581543", "z": "30ac5fe5.ab4d2", "wires": [ [ ] ], { "id": "8ff8c47.cd19b38", "type": "record", "name": "record", "xml": "<record plugin='org.onap.ccsdk.sli.core.sli.recording.FileRecorder'>\n\t<parameter name='file' value='/opt/opendaylight/current/data/log/svclogic.log' />\n\t<parameter name='field1' value='__TIMESTAMP__' />\n\t<parameter name='field2' value='volte-wan-activate' />\n\t<parameter name='field3' value='$volte-wan-activate.dca-wanip' />\n\t<parameter name='field4' value='$volte-wan-activate.dcz-wanip' />\n\t<parameter name='field5' value='$volte-wan-activate.route_target' />\n\t<parameter name='field6' value='$volte-wan-activate.route_distinguisher' />\n", "comments": "", "outputs": "1", "x": "559", "y": "301", "z": "30ac5fe5.ab4d2", "wires": [ [ ] ], { "id": "c2486391.d9417", "type": "execute", "name": "excute REST DC-Connect-Create-A", "xml": "<execute plugin='org.onap.ccsdk.sli.plugins.restapicall.RestapiCallNode' method='sendRequest' >\n\t<parameter name='templateFileName' value='`$prop.restapi.templateDir + '/13-dci-connect.json'`' />\n\t<!-- \n\t\t<parameter name='restapiUrl' value='`$prop.controller_A_RestApi.url + '/v2.0/13-dci-connects'`' />\n\t\t-->\n\t\t<parameter name='restapiUrl' value='`$prop.controller_A_RestApi.url + '/13-dci-connect.php'`' />\n\t\t<parameter name='restapiUser' value='`$prop.controller_A_RestApi.user'`' />\n\t\t<parameter name='restapiPassword' value='`$prop.controller_A_RestApi.password'`' />\n\t\t<parameter name='format' value='xml' />\n\t\t<parameter name='httpMethod' value='post' />\n\t\t<parameter name='responsePrefix' value='restapi-result' />\n\t\t<!-- \n\t\t\t", "comments": "", "outputs": "1", "x": "998", "y": "727", "z": "30ac5fe5.ab4d2", "wires": [ [ ] ], { "id": "852c391a.a7d2b", "type": "execute", "name": "excute REST DC-Connect-Create-B", "xml": "<execute plugin='org.onap.ccsdk.sli.plugins.restapicall.RestapiCallNode'
```


List karaf features

```
bash-4.4# /opt/opendaylight/bin/client
opendaylight-user@root> feature:list
Name      Version  Required  State  Repository  Description
odl-lispflowmapping-mappingservice-shell 1.8.1    Uninstalled  odl-lispflowmapping-mappingservice-shell  ODL ::
lispflowmapping :: odl-lispflowmapping-map
```

Preconfiguration for VoLTE SDNC: [ONAP VoLTE SDNC Integration Test.docx](#)