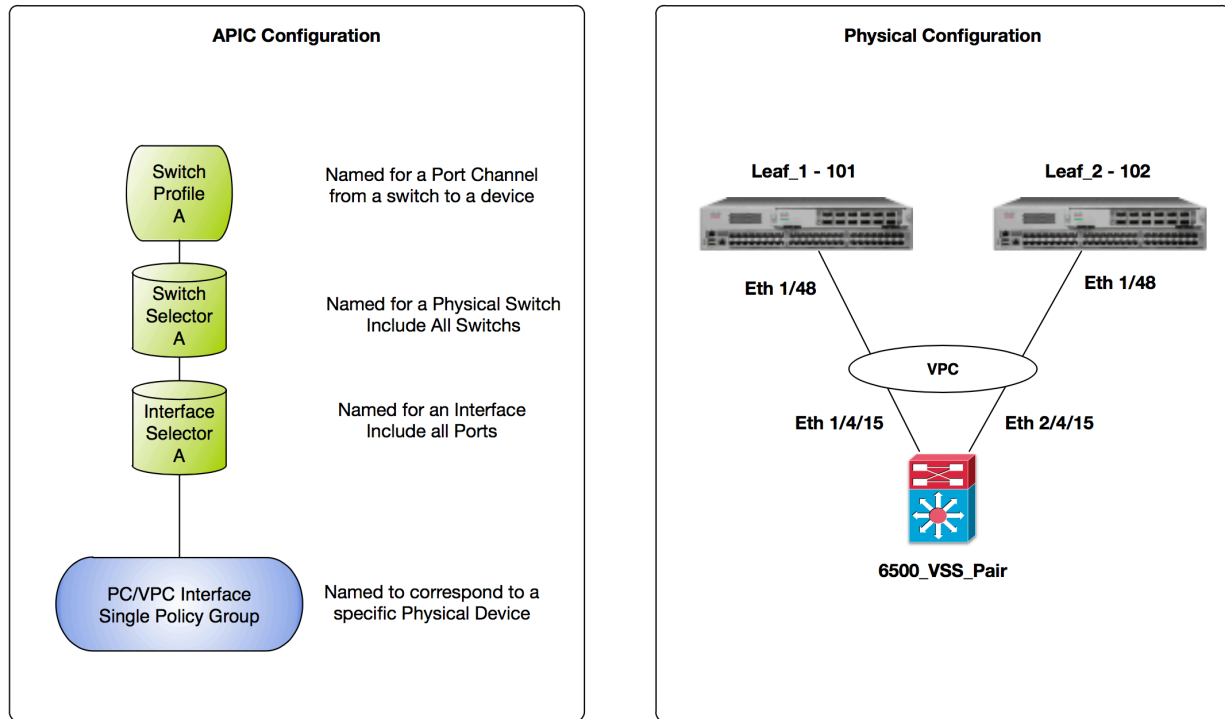


The following use case scenario example, the steps listed are using the "Quick Start" wizard to setup a VPC connection in ACI. The sample topology shown and the steps are for a VPC connection using the "same" port on 2 Leaf switches in the ACI fabric.

Sample Topology:



BASIC WORKFLOW FOR CREATING A VPC IN ACI

For this example, we will use the "Quick Start" wizard to setup a VPC in ACI.

Configuration Steps:

1. Access the APIC Admin GUI.
2. Select FABRIC -> ACCESS POLICIES.
3. In the policies navigation panel on the left, **Click on "QUICK START"**
4. In the "QUICK START" HELP panel on the right, Click on "CONFIGURE AN INTERFACE, PC, AND VPC"
5. You will need to add a "VPC Switch Pair" if not already created. On the bottom left section of the wizard, **Click on the "+" to add a VPC Switch Pair"**.
 - Define a **VPC Domain ID**
 - Select **Switch 1 & Switch 2** (*Only switches with interfaces in the same VPC policy group can paired together.*)
 - Save

6. Once the "VPC Switch Pair" is created, you can continue the process of creating a VPC Policy.
 - Click the **GREEN "+"** on the TOP RIGHT section of the "Configure an interface, PC, and VPC" wizard.
 - Click the Second **GREEN "+"** to expand out the entire configuration display
 - Use the "QUICK" configuration method
 - Select Switches and accept the auto filled "**SWITCH PROFILE NAME**" or add a Custom Switch Profile Name.
 - Select the VPC "**INTERFACE TYPE**".
 - Select the "**INTERFACES**" to be used for this connection and accept the auto filled "**INTERFACE SELECTOR NAME**" or add a Custom Interface Selector Name. Note: *It is best practice to use the "Same port" on each switch. Otherwise, configuration will require additional configuration steps.*
 - Create an "**INTERFACE POLICY GROUP**" for the interface connections for this VPC. Select the appropriate policies for your connections like: Link Level Policy, CDP Policy, LLDP Policy, Port Channel Policy, etc...
 - Select the "**ATTACHED DEVICE TYPE**". For example: Bare Metal, ESX Hosts, External Routed Devices, etc... This will create an "**ATTACHABLE ACCESS ENTITY PROFILE**" for this connection.
 - Create a "**DOMAIN**" and add "**DOMAIN NAME**"
 - Create a "**VLAN**" Pool and define the "**VLAN RANGE**"
 - SAVE
 - SAVE
 - SUBMIT

The VPC connection setup is now created and can be used in a desired policy.

APIC CLI Commands to Verify & Check configuration:

```
# show running-config vpc domain
# show running-config leaf-profile <Switch Profile Name>
# show running-config leaf-interface-profile <Interface Selector Name>

rtp-f1-p1-apic1# show running-config vpc domain
# Command: show running-config vpc domain
# Time: Thu Nov  3 08:20:20 2016
  vpc domain explicit 22 leaf 121 122
  exit
  vpc domain explicit 11 leaf 111 112
  exit

rtp-f1-p1-apic1# show running-config leaf-profile deadbeef-ospf99-swProf
# Command: show running-config leaf-profile deadbeef-ospf99-swProf
# Time: Thu Nov  3 08:21:33 2016
  leaf-profile deadbeef-ospf99-swProf
    description 'GUI Interface Selector Generated Profile: deadbeef-ospf99-swProf'
    leaf-group deadbeef-ospf99-swProf_selector_1
      leaf 121
      leaf 122
    exit
  leaf-interface-profile deadbeef-ospf99-swProf_ifselector
  exit

rtp-f1-p1-apic1# show running-config leaf-interface-profile deadbeef-ospf99-
swProf_ifselector
# Command: show running-config leaf-interface-profile deadbeef-ospf99-
swProf_ifselector
# Time: Thu Nov  3 08:23:40 2016
  leaf-interface-profile deadbeef-ospf99-swProf_ifselector
    description 'GUI Interface Selector Generated PortP Profile: deadbeef-ospf99-
swProf'
    leaf-interface-group deadbeef-ospf99-intSel
      interface ethernet 1/81
        channel-group deadbeef-ospf99-intSel_PolGrp vpc
      exit
    exit
```

BASH Mode on APIC:

```
icurl 'http://localhost:7777/api/node/mo/uni/infra/funcprof/accbundle-deadbeef-ospf99-intSel_PolGrp.xml?query-target=children' | xmllint --format -
```

```
admin@rtp-f1-p1-apic1:~> icurl 'http://localhost:7777/api/node/mo/uni/infra/funcprof/accbundle-deadbeef-ospf99-intSel_PolGrp.xml?query-target=children' | xmllint --format -
```

```

% Total    % Received % Xferd  Average Speed   Time    Time       Time  Current
           Dload  Upload    Total     Spent    Left     Speed
100 7512  100 7512    0     0  773k      0  --:--:--  --:--:--  --:--:--  916k
<?xml version="1.0" encoding="UTF-8"?>
<imdata totalCount="18">

```

```

<infraRsAttEntP childAction="" dn="uni/infra/funcprof/accbundle-deadbeef-ospf99-intSel_PolGrp/rsattEntP" forceResolve="yes" isUsingConnSel="no" lcOwn="local"
modTs="2016-06-14T09:19:52.537-04:00" monPolDn="uni/fabric/monfab-default" rType="mo"
state="formed" stateQual="none" status="" tCl="infraAttEntityP" tDn="uni/infra/
attentp-deadbeef-ospf-dom_AttEntityP" tType="mo" uid="15374"/>

```

```

<infraRsCdpIfPol childAction="" dn="uni/infra/funcprof/accbundle-deadbeef-ospf99-intSel_PolGrp/rscdpIfPol" forceResolve="yes" lcOwn="local"
modTs="2016-06-14T09:19:51.108-04:00" monPolDn="uni/fabric/monfab-default" rType="mo"
state="formed" stateQual="none" status="" tCl="cdpIfPol" tContextDn="" tDn="uni/infra/
cdpIfP-deadbeef_cdp_on" tRn="cdpIfP-deadbeef_cdp_on" tType="name"
tnCdpIfPolName="deadbeef_cdp_on" uid="0"/>

```

```

<infraRsFcIfPol childAction="" dn="uni/infra/funcprof/accbundle-deadbeef-ospf99-intSel_PolGrp/rsfcIfPol" forceResolve="yes" lcOwn="local"
modTs="2016-06-14T09:19:51.108-04:00" monPolDn="uni/fabric/monfab-default" rType="mo"
state="formed" stateQual="default-target" status="" tCl="fcIfPol" tContextDn=""
tDn="uni/infra/fcIfPol-default" tRn="fcIfPol-default" tType="name" tnFcIfPolName=""
uid="0"/>

```

```

<infraRsHIIfPol childAction="" dn="uni/infra/funcprof/accbundle-deadbeef-ospf99-intSel_PolGrp/rshIfPol" forceResolve="yes" lcOwn="local"
modTs="2016-06-14T09:19:51.108-04:00" monPolDn="uni/fabric/monfab-default" rType="mo"
state="formed" stateQual="none" status="" tCl="fabricHIIfPol" tContextDn="" tDn="uni/
infra/hintfpol-deadbeef_1gb" tRn="hintfpol-deadbeef_1gb" tType="name"
tnFabricHIIfPolName="deadbeef_1gb" uid="0"/>

```

```

<infraRsL2IfPol childAction="" dn="uni/infra/funcprof/accbundle-deadbeef-ospf99-intSel_PolGrp/rl2IfPol" forceResolve="yes" lcOwn="local"
modTs="2016-06-14T09:19:51.108-04:00" monPolDn="uni/fabric/monfab-default" rType="mo"
state="formed" stateQual="default-target" status="" tCl="l2IfPol" tContextDn=""
tDn="uni/infra/l2IfP-default" tRn="l2IfP-default" tType="name" tnL2IfPolName=""
uid="0"/>

```

```

<infraRsL2PortSecurityPol childAction="" dn="uni/infra/funcprof/accbundle-deadbeef-ospf99-intSel_PolGrp/rl2PortSecurityPol" forceResolve="yes" lcOwn="local"
modTs="2016-06-14T09:19:51.108-04:00" monPolDn="uni/fabric/monfab-default" rType="mo"
state="formed" stateQual="default-target" status="" tCl="l2PortSecurityPol"
tContextDn="" tDn="uni/infra/portsecurityP-default" tRn="portsecurityP-default"
tType="name" tnL2PortSecurityPolName="" uid="0"/>

```

```

<infraRsLacpPol childAction="" dn="uni/infra/funcprof/accbundle-deadbeef-ospf99-intSel_PolGrp/rlacpPol" forceResolve="yes" lcOwn="local"
modTs="2016-06-14T09:19:51.108-04:00" monPolDn="uni/fabric/monfab-default" rType="mo"
state="formed" stateQual="none" status="" tCl="lacpLagPol" tContextDn="" tDn="uni/
infra/lacplagp-deadbeef_lacp_on" tRn="lacplagp-deadbeef_lacp_on" tType="name"
tnLacpLagPolName="deadbeef_lacp_on" uid="0"/>

```

```
<infraRsLldpIfPol childAction="" dn="uni/infra/funcprof/accbundle-deadbeef-ospf99-
intSel_PolGrp/rsldpIfPol" forceResolve="yes" lcOwn="local"
modTs="2016-06-14T09:19:51.108-04:00" monPolDn="uni/fabric/monfab-default" rType="mo"
state="formed" stateQual="none" status="" tCl="lldpIfPol" tContextDn="" tDn="uni/
infra/ldpIfP-deadbeef_lddp_on" tRn="lldpIfP-deadbeef_lddp_on" tType="name"
tnLldpIfPolName="deadbeef_lddp_on" uid="0"/>
```

```
<infraRsMcpIfPol childAction="" dn="uni/infra/funcprof/accbundle-deadbeef-ospf99-
intSel_PolGrp/rsmcpIfPol" forceResolve="yes" lcOwn="local"
modTs="2016-06-14T09:19:51.108-04:00" monPolDn="uni/fabric/monfab-default" rType="mo"
state="formed" stateQual="default-target" status="" tCl="mcpIfPol" tContextDn=""
tDn="uni/infra/mcpIfP-default" tRn="mcpIfP-default" tType="name" tnMcpIfPolName=""
uid="0"/>
```

```
<infraRsMonIfInfraPol childAction="" dn="uni/infra/funcprof/accbundle-deadbeef-
ospf99-intSel_PolGrp/rsmonIfInfraPol" forceResolve="yes" lcOwn="local"
modTs="2016-06-14T09:19:51.108-04:00" monPolDn="uni/fabric/monfab-default" rType="mo"
state="formed" stateQual="none" status="" tCl="monInfraPol" tContextDn="" tDn="uni/
infra/moninfra-default" tRn="moninfra-default" tType="name"
tnMonInfraPolName="default" uid="0"/>
```

```
<infraRsQosDppIfPol childAction="" dn="uni/infra/funcprof/accbundle-deadbeef-ospf99-
intSel_PolGrp/rsqosDppIfPol" forceResolve="yes" lcOwn="local"
modTs="2016-06-14T09:19:51.108-04:00" monPolDn="uni/fabric/monfab-default" rType="mo"
state="formed" stateQual="default-target" status="" tCl="qosDppPol" tContextDn=""
tDn="uni/infra/qosdppol-default" tRn="qosdppol-default" tType="name"
tnQosDppPolName="" uid="0"/>
```

```
<infraRsQosEgressDppIfPol childAction="" dn="uni/infra/funcprof/accbundle-deadbeef-
ospf99-intSel_PolGrp/rsQosEgressDppIfPol" forceResolve="yes" lcOwn="local"
modTs="2016-06-14T09:19:51.108-04:00" monPolDn="uni/fabric/monfab-default" rType="mo"
state="formed" stateQual="default-target" status="" tCl="qosDppPol" tContextDn=""
tDn="uni/infra/qosdppol-default" tRn="qosdppol-default" tType="name"
tnQosDppPolName="" uid="0"/>
```

```
<infraRsQosIngressDppIfPol childAction="" dn="uni/infra/funcprof/accbundle-deadbeef-
ospf99-intSel_PolGrp/rsQosIngressDppIfPol" forceResolve="yes" lcOwn="local"
modTs="2016-06-14T09:19:51.108-04:00" monPolDn="uni/fabric/monfab-default" rType="mo"
state="formed" stateQual="default-target" status="" tCl="qosDppPol" tContextDn=""
tDn="uni/infra/qosdppol-default" tRn="qosdppol-default" tType="name"
tnQosDppPolName="" uid="0"/>
```

```
<infraRsQosPfcIfPol childAction="" dn="uni/infra/funcprof/accbundle-deadbeef-ospf99-
intSel_PolGrp/rsqosPfcIfPol" forceResolve="yes" lcOwn="local"
modTs="2016-06-14T09:19:51.108-04:00" monPolDn="uni/fabric/monfab-default" rType="mo"
state="formed" stateQual="default-target" status="" tCl="qosPfcIfPol" tContextDn=""
tDn="uni/infra/pfc-default" tRn="pfc-default" tType="name" tnQosPfcIfPolName=""
uid="0"/>
```

```
<infraRsQosSdIfPol childAction="" dn="uni/infra/funcprof/accbundle-deadbeef-ospf99-
intSel_PolGrp/rsqosSdIfPol" forceResolve="yes" lcOwn="local"
modTs="2016-06-14T09:19:51.108-04:00" monPolDn="uni/fabric/monfab-default" rType="mo"
state="formed" stateQual="default-target" status="" tCl="qosSdIfPol" tContextDn=""
tDn="uni/infra/qossdpol-default" tRn="qossdpol-default" tType="name"
tnQosSdIfPolName="" uid="0"/>
```

```
<infraRsStormctrlIfPol childAction="" dn="uni/infra/funcprof/accbundle-deadbeef-
ospf99-intSel_PolGrp/rsstormctrlIfPol" forceResolve="yes" lcOwn="local"
modTs="2016-06-14T09:19:51.108-04:00" monPolDn="uni/fabric/monfab-default" rType="mo"
state="formed" stateQual="default-target" status="" tCl="stormctrlIfPol" tContextDn=""
tDn="uni/infra/stormctrlifp-default" tRn="stormctrlifp-default" tType="name"
tnStormctrlIfPolName="" uid="0"/>
```

```
<infraRsStpIfPol childAction="" dn="uni/infra/funcprof/accbundle-deadbeef-ospf99-
intSel_PolGrp/rsstpIfPol" forceResolve="yes" lcOwn="local"
modTs="2016-06-14T09:19:51.108-04:00" monPolDn="uni/fabric/monfab-default" rType="mo"
state="formed" stateQual="default-target" status="" tCl="stpIfPol" tContextDn=""
tDn="uni/infra/ifPol-default" tRn="ifPol-default" tType="name" tnStpIfPolName=""
uid="0"/>
```

```
<infraRtAccBaseGrp childAction="" dn="uni/infra/funcprof/accbundle-deadbeef-ospf99-
intSel_PolGrp/rtaccBaseGrp-[uni/infra/accpportprof-deadbeef-ospf99-swProf_ifselector/
hports-deadbeef-ospf99-intSel-typ-range]" lcOwn="local"
modTs="2016-06-14T09:19:52.174-04:00" status="" tCl="infraHPortS" tDn="uni/infra/
accpportprof-deadbeef-ospf99-swProf_ifselector/hports-deadbeef-ospf99-intSel-typ-
range"/>
</imdata>
```