Node Specific Configuration

- Extracting System UUID to Configure Nodes, page 1
- Mapping Between HEAT Template Parameters and Node Specific Configuration Parameters, page 2

Extracting System UUID to Configure Nodes

If you are deploying a system on a heterogeneous hardware, you can specify parameters using the node specific configuration.

A node is deployed in the Overcloud environment with a pre-defined configuration. You can define host specific configuration for a node to override the existing configurations using the NodeDataLookup parameter of a node. You can access a specific node using the unique system UUID attached to it. The system UUID for a node can be extracted using the `dmidecode` command. After you extract UUID, you can access the NodeDataLookup parameter and edit it to override the node configuration.

To override a node configuration before deploying it to the overcloud, you need to extract system UUID of a node using a different method. Complete the following steps to extract UUID for a node before it is deployed to the Overcloud:

**Procedure**

**Step 1**
Generate a file that contains node specific information (introspection data). By default, the filename is `Extra_Hardware_[ironic-id]` and is created at the location where the commands are run. For detailed information, see Accessing additional introspection data.

**Step 2**
Extract the node system UUID using the `cat` command. For example:

```
# cat extra_hardware-8f50de05-c57c-425f-8071-do2b61a02ebc | jq -r 'map(select(.[0]="system" and .[2]="uuid"))'
```

In this example, 8f50de05-c57c-425f-8071-do2b61a02ebc is the ironic UUID and system UUID is returned via jq.

**Note**
In this example, 8f50de05-c57c-425f-8071-do2b61a02ebc is the ironic UUID and system UUID is returned via jq.

**Example:**

```
NodeDataLookup: |
{"41447D6B-157D-1043-84C5-147EF47117C0":
{"neutron::agents::n1kv_vem::uplink_profile": {"eth1": "system-uplink"},
```

Cisco Nexus 1000V for KVM, Release 5.2(1)SK3(2.2b) Installation Guide for Red Hat Enterprise Linux OpenStack Platform 7
Mapping Between HEAT Template Parameters and Node Specific Configuration Parameters

The following table lists mapping between HEAT template parameters and node specific configuration parameters:

Table 1: Mapping Between HEAT Template Parameters and Node Specific Configuration Parameters

<table>
<thead>
<tr>
<th>HEAT Template Parameter</th>
<th>Node Specific Configuration Parameter</th>
</tr>
</thead>
<tbody>
<tr>
<td>N1000vVEMHostMgmtIntf</td>
<td>neutron::agents::n1kv_vem::host_mgm_intf</td>
</tr>
<tr>
<td>N1000vUplinkProfile</td>
<td>neutron::agents::n1kv_vem::uplink_profile</td>
</tr>
<tr>
<td>N1000vVtepConfig</td>
<td>neutron::agents::n1kv_vem::vtep_config</td>
</tr>
<tr>
<td>N1000vPortDB</td>
<td>neutron::agents::n1kv_vem::portdb</td>
</tr>
<tr>
<td>N1000vVtepsInSameSub</td>
<td>neutron::agents::n1kv_vem::vteps_in_same_subnet</td>
</tr>
<tr>
<td>N1000vVEMFastpathFlood</td>
<td>neutron::agents::n1kv_vem::fastpath_flood</td>
</tr>
<tr>
<td>N1000vVSMHostMgmtIntf</td>
<td>n1k_vsm::phy_if_bridge</td>
</tr>
<tr>
<td>N1000vVSMRole</td>
<td>n1k_vsm::vsm_role</td>
</tr>
<tr>
<td>N1000vExistingBridge</td>
<td>n1k_vsm::existing_bridge</td>
</tr>
</tbody>
</table>