

Always on CSR1000V IOS XE

YANG models:

<https://github.com/YangModels/yang>

- CSR1000V Host: `ios-xe-mgmt-latest.cisco.com`
 - SSH Port: 8181
 - NETCONF Port: 10000
- Username: **developer**
- Password: **C1sco12345**

Always on DNA Center

- Address: <https://sandboxdnac.cisco.com>
 - SSH Port: 8181
 - NETCONF Port: 10000
- Username: **devnetuser**
- Password: **Cisco123!**

DNA Center APIs: <https://developer.cisco.com/docs/dna-center/api/1-3-3-x/>

Hello message

```
<?xml version="1.0" encoding="UTF-8"?>  
<hello xmlns="urn:ietf:params:xml:ns:netconf:base:1.0">  
  <capabilities> <capability>  
    urn:ietf:params:netconf:base:1.0 </capability>  
  </capabilities> </hello>]]>]]>
```

Get hostname

```
<?xml version="1.0" encoding="UTF-8"?>  
<rpc message-id="101" xmlns="urn:ietf:params:xml:ns:netconf:base:1.0">  
  <get>  
    <filter><native xmlns="http://cisco.com/ns/yang/Cisco-IOS-XE-native">  
      <hostname/>  
    </native> </filter> </get>  
  </rpc>]]>]]>
```

Get interface info

```
<?xml version="1.0" encoding="UTF-8"?>
<rpc message-id="101" xmlns="urn:ietf:params:xml:ns:netconf:base:1.0">
  <get><filter>
    <native xmlns="http://cisco.com/ns/yang/Cisco-IOS-XE-native">
      <interface>
        </interface></native></filter></get>
      </rpc>]]>]]>
```

Change interface description

```
<?xml version="1.0" encoding="UTF-8"?>
<rpc message-id="101" xmlns="urn:ietf:params:xml:ns:netconf:base:1.0">
  <edit-config>
    <target><running/></target>
    <config>
      <native xmlns="http://cisco.com/ns/yang/Cisco-IOS-XE-native">
        <interface><GigabitEthernet>
          <name>1</name>
          <description>Changed from Netconf</description>
        </GigabitEthernet></interface></native>
      </config></edit-config>
    </rpc>]]>]]>
```

Close the session

```
<?xml version="1.0" encoding="UTF-8"?>  
<rpc message-id="1239123" xmlns="urn:ietf:params:xml:ns:netconf:base:1.0">  
  <close-session/>  
</rpc>]]>]]>
```