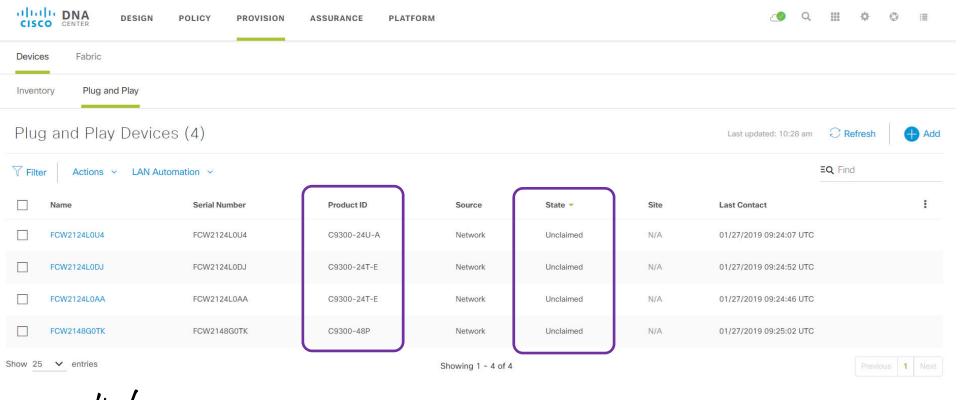


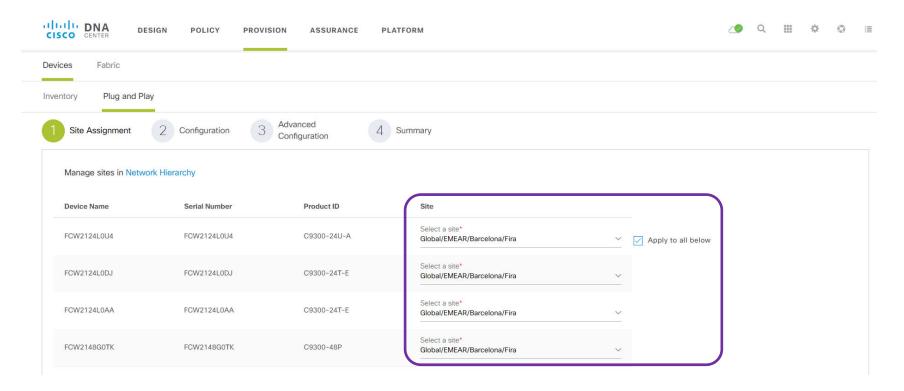
- 4 switches pending in PnP
- Identify a Cat2k & Cat9k on a Branch ISR4k
- Script polls regularly PnP pending devices
- Takes the first in the list
- Does a lookup in a DB (like mySQL) for a match
- Gets config template & device details from DB
- Inject Config in PnP
- Associate SN (captured in pending state) with config

### The Cisco DNA-Center claiming process

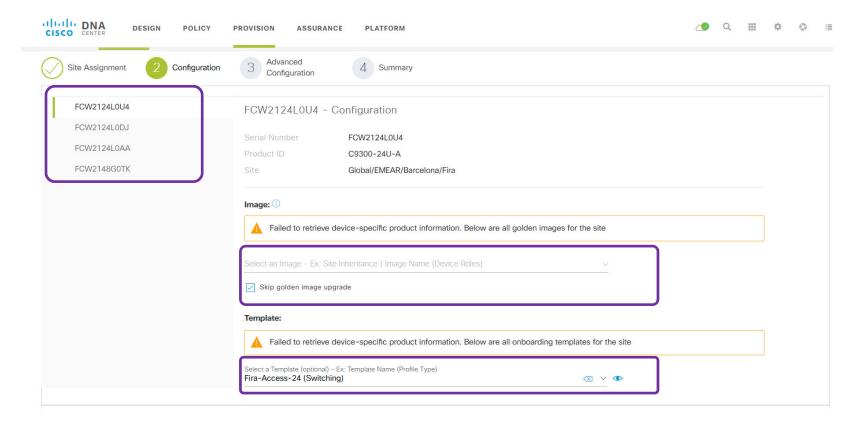
- 1 Get List of Unclaimed (pending) devices
  - 2 Select the first device in the list of unclaimed devices
    - 3 Lookup parameters & site information from your database (json, SQL,...)
    - 4 Get the siteID based of the site name found in the database
  - 5 Get the Template ID for the device based on template name in the database
  - Build your JSON post data incl template parameters
- 7 Post a claim to site

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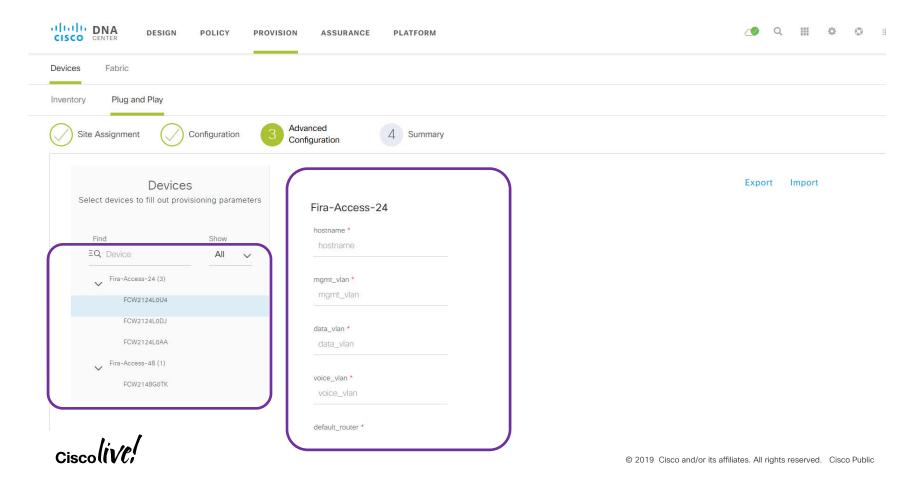


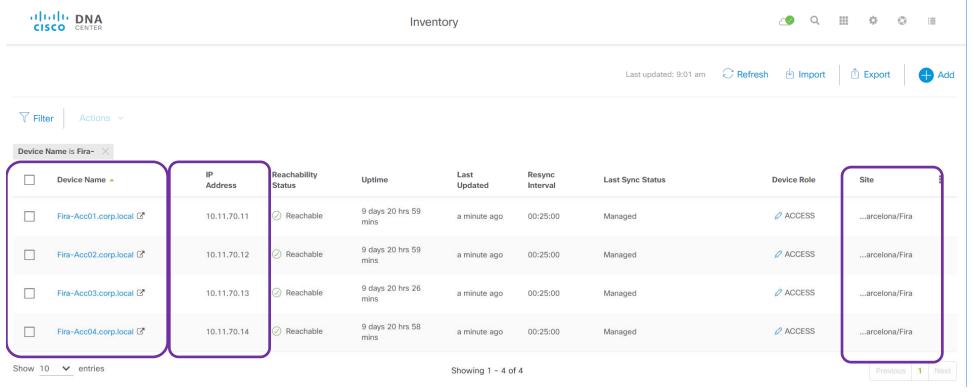




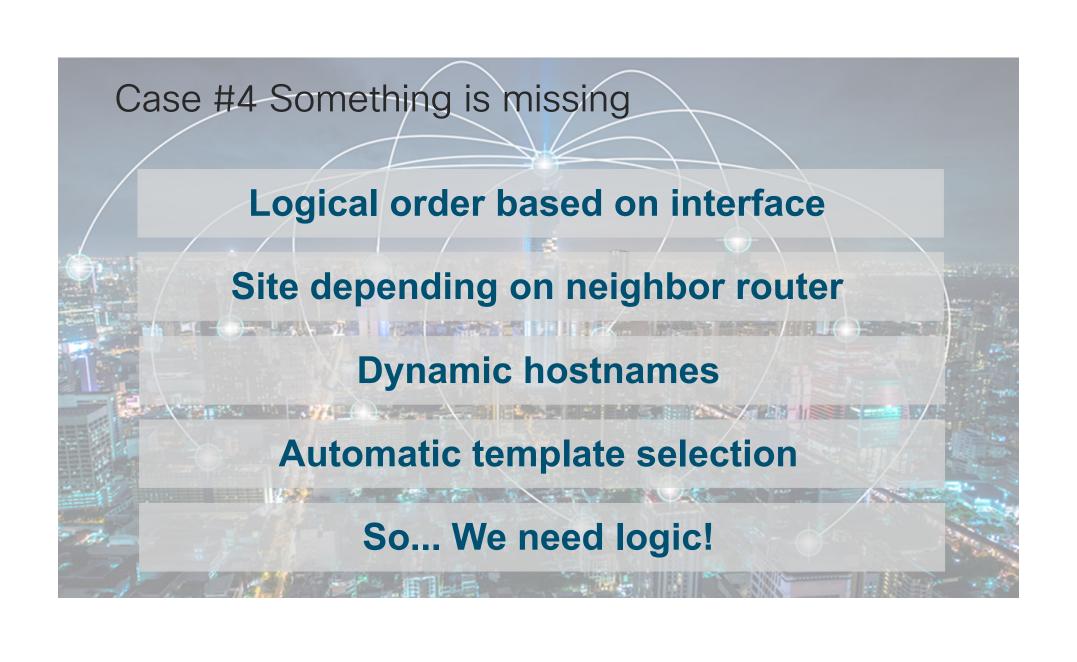




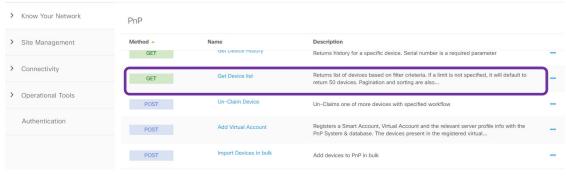








### Get PnP Devices



#### DESCRIPTION

Returns list of devices based on filter crieteria. If a limit is not specified, it will default to return 50 devices. Pagination and sorting are also supported by this endpoint

Method	URL	
GET	https://cgem-dnac1.cisco.com/dna/intent/api/v1/onboarding/pnp-device	

#### **PARAMETERS**

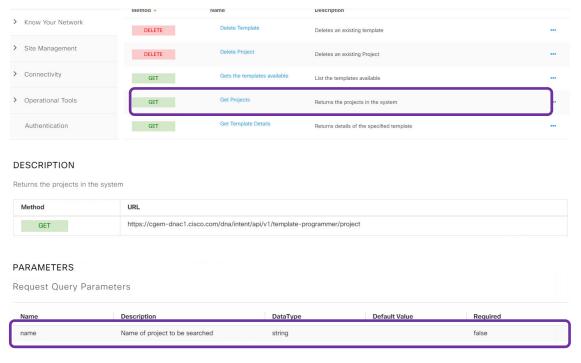
Request Query Parameters

Name	Description	DataType	Default Value	Required
serialNumber	Device Serial Number	array		false
state	Device State	array		false
onbState	Device Unboarding State	array		false

# dna/intent/api/v1/onboarding/p np-device

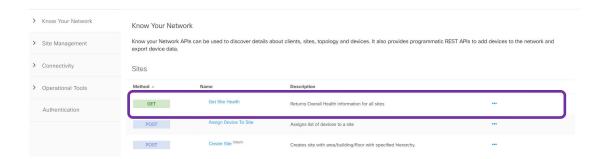
```
{
"deviceInfo": {
    "source": "string",
    "serialNumber": "string",
    "stack": "boolean",
    "mode": "string",
    "state": "string",
    "location": {
    "siteId": "string",
    "address": "address": "address": "address": "address": "address": "address": "address": "address": "address
```

### Get Templates



dna/intent/api/v1/templateprogrammer/project

### Get Site Id (from site Health API)



#### DESCRIPTION

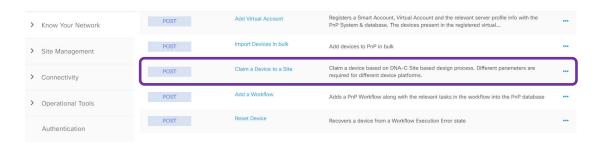
Returns Overall Health information for all sites

Method	URL	
GET	https://cgem-dnac1.cisco.com/dna/intent/api/v1/site-health	

/dna/intent/api/v1/network-device/?role=...

```
"response": [
    "siteName": "string",
    "siteId": "string",
    "parentSiteId": "string",
    "parentSiteName": "string",
    "siteType": "string",
    "latitude": {},
    "longitude": {},
    "healthyNetworkDevicePercentage": "string",
    "healthyClientsPercentage": "string",
    "clientHealthWired": "string",
    "clientHealthWireless": {},
    "numberOfClients": "string",
    "clientNumberOfIssues": {},
    "networkNumberOfIssues": {},
    "numberOfNetworkDevice": "string",
    "networkHealthAverage": {},
    "networkHealthAccess": "string",
    "networkHealthCore": "string",
    "networkHealthDistribution": "string",
    "networkHealthRouter": "string",
    "networkHealthWireless": {},
    "networkHealthOthers": {},
    "numberOfWiredClients": "string",
    "numberOfWirelessClients": {},
    "wiredGoodClients": "string",
    "wirelessGoodClients": {},
    "clientIssueCount": {}.
```

### Case #4 - Claim Devices to Site



#### DESCRIPTION

Claim a device based on DNA-C Site based design process. Different parameters are required for different device platforms.

	Method	URL
POST https://cgem-dnac1.cisco.com/dna/intent/api/v1/onboarding/pnp-dev		https://cgem-dnac1.cisco.com/dna/intent/api/v1/onboarding/pnp-device/site-claim

/dna/intent/api/v1/onboarding/pnp-device/site-claim