Importing Nodes with Admin GUI

Version

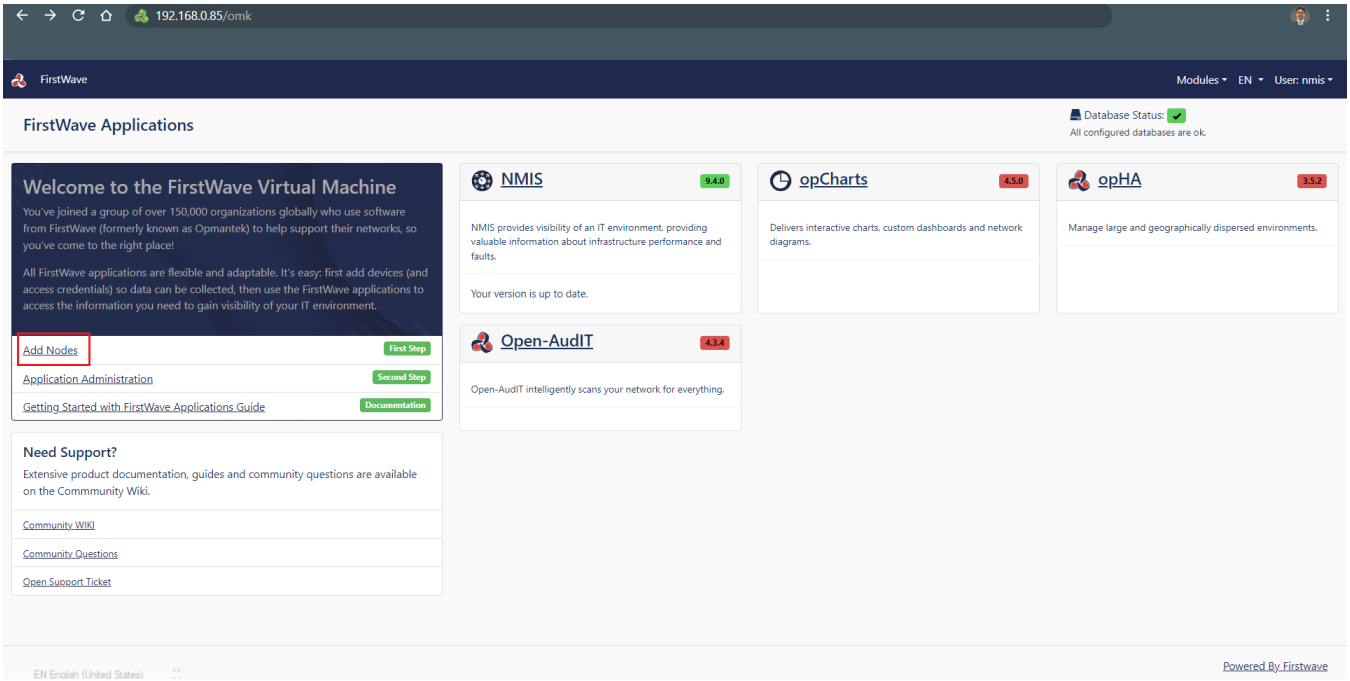
Required: opCharts 4.3.8 or greater

opHA

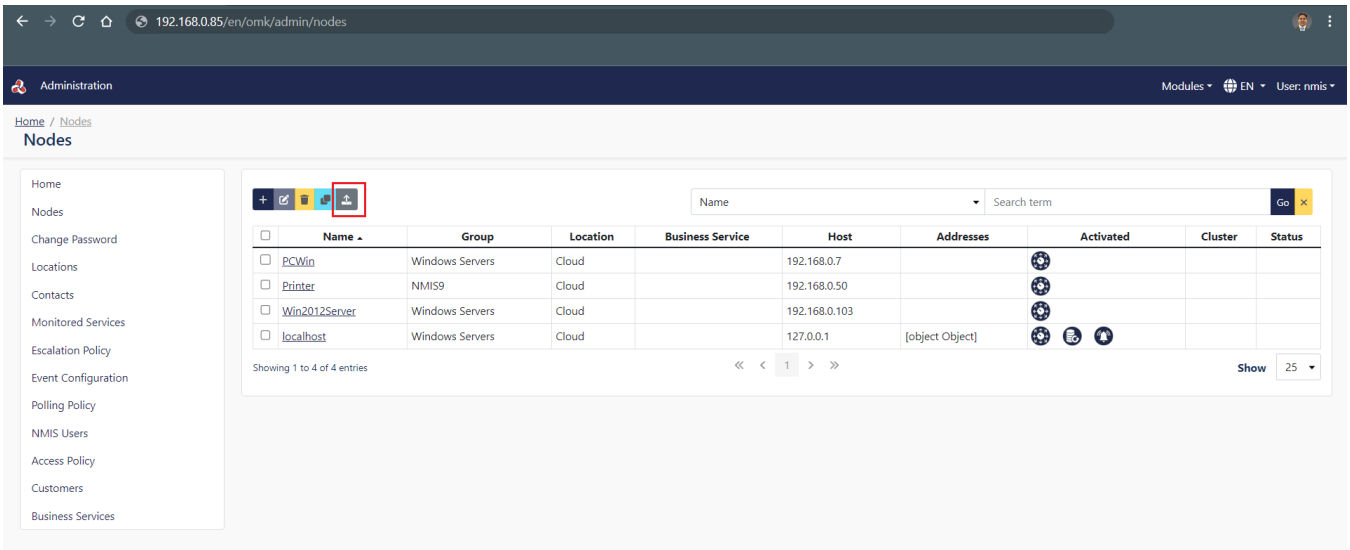
NOTE: If using opHA this must be done in the MAIN PRIMARY server, not on your pollers or Primary. You are able to assign Nodes to pollers through Admin Gui by editing the nodes on the GUI or assigning it on import by adding the header 'cluster_id'. For more information about this go to Import Nodes into NMIS9 - bulk import and integration CLI.

1. Open your web browser of choice and navigate to http://<server>/omk

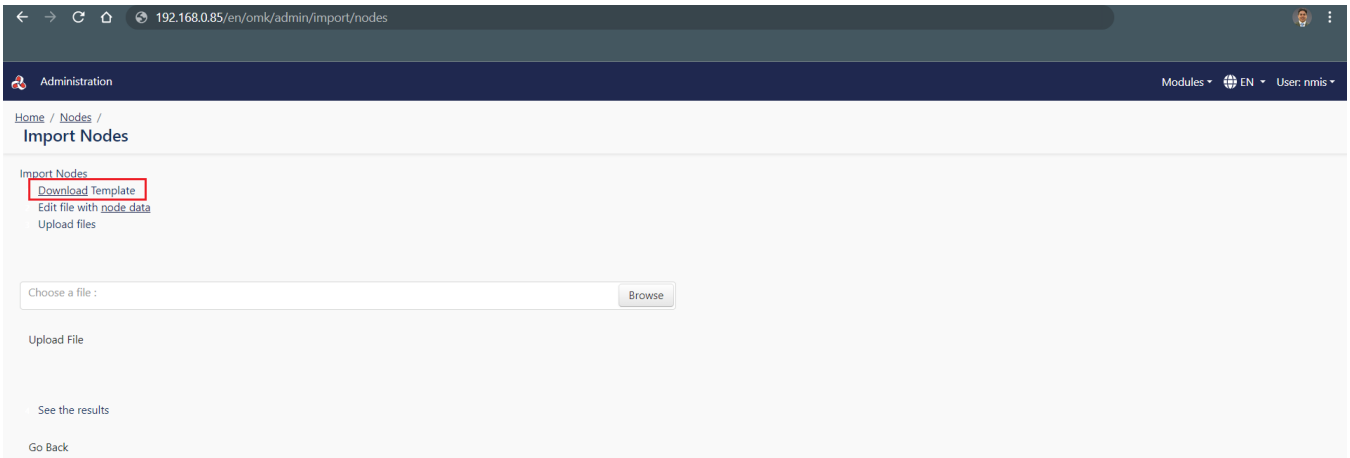
2. On the left-hand side click "Add Nodes", this will take you to the Admin portal or you can go to http://<server>/omk/admin/nodes



3. on the Node Admin portal select the upload icon on the buttons above the node table.



4. If you do not already have the template for import nodes you can Download it now from this page by clicking "Download Template"



5. The template contains the minimum fields needs to create a node.

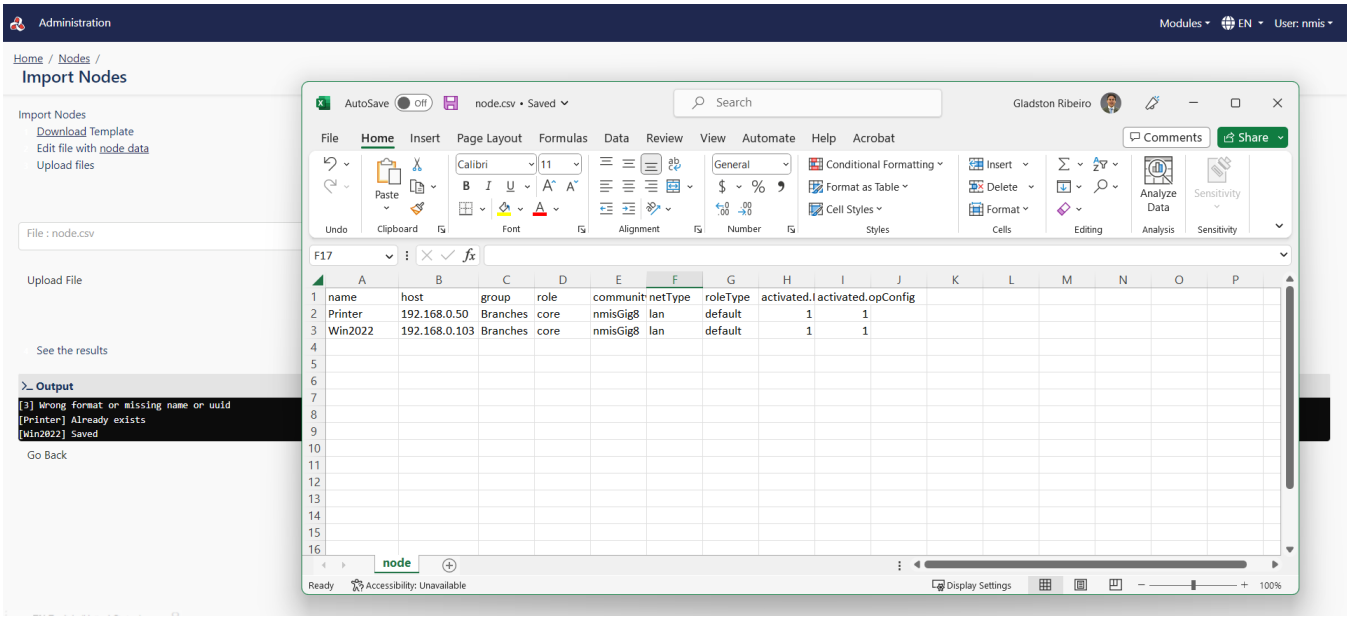
> **Note**
>
> Input for nodeType, netType and roleType must MATCH options available in your configuration. Please visit the wiki article Opmantek System Configuration for more information and how to use the API to edit!

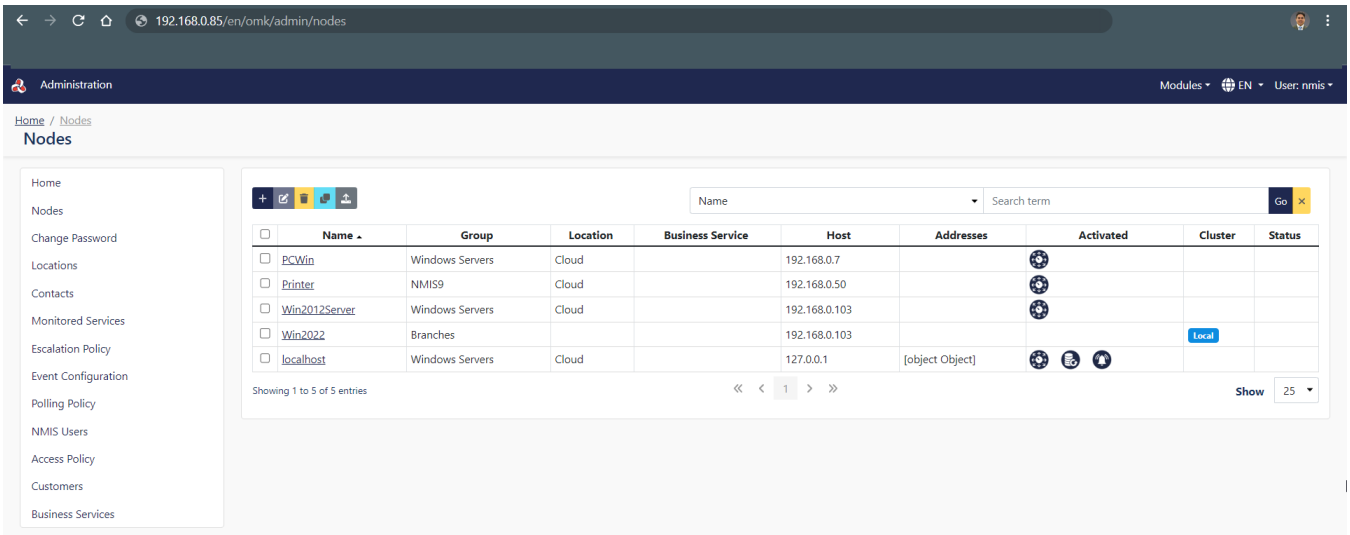
a. Once you have filled out the minimum required fields Save your import file (keep as a CSV), and go back to the import Nodes page.

b. On import Nodes Page you will click Browse, find your import that you created, select it and click Open.

c. You should now see your import file name in the File box, validate its there then select Upload File

d. Once import finishes you should see output below either showing success (Saved) or errors showing what went wrong





Your import/creation of Nodes is now complete! NMIS will now go through testing connection, snmp, finding the best model to fit your device and start collecting! If assisgning a Node to a different poller (opHA) this will not be pushed until the opha cron job runs, it can be called manually:

```
/usr/local/omk/bin/opha-cli act=sync-all-nodes
```

Advance Node Import

If you want to automate your node import to have more of your metadata filled you can do this simply by adding the column headers you are wanting to use! First lets talk about getting those headers!

1. To find the available headers we will use our node_admin.pl tool with a sample node. To do this open a ssh session to your Opmantek Server and log in.
   More on node Node Administration Tools
2. Run cmd:

   ```
   sudo /usr/local/nmis9/admin/node_admin.pl act=show node=YOUR_NODE_NAME
   ```

```
[omkadmin@omk-vm9-centos7 tmp]$
[omkadmin@omk-vm9-centos7 tmp]$
[omkadmin@omk-vm9-centos7 tmp]$ sudo /usr/local/nmis9/admin/node_admin.pl act=show node=Printer
entry.activated.NMIS=1
entry.cluster_id=7c1084fe-5f66-4b3b-8a3b-6e58cc8aff4f
entry.configuration.active=1
entry.configuration.authkey=
entry.configuration.authpassword=
entry.configuration.authprotocol=md5
entry.configuration.businessService=
entry.configuration.cbqos=none
entry.configuration.collect=1
entry.configuration.community=nmisGig8
entry.configuration.context=
entry.configuration.customer=Opmantek
entry.configuration.display_name=
entry.configuration.group=NMIS9
entry.configuration.host=192.168.0.50
entry.configuration.host_backup=
entry.configuration.ip_protocol=IPv4
entry.configuration.location=Cloud
entry.configuration.max_msg_size=1472
entry.configuration.max_repetitions=0
entry.configuration.model=Cisco-Gladston-auto
entry.configuration.netType=default
entry.configuration.node_context_name=Node Context
entry.configuration.node_context_url=https://somelink.com/map/thing/
entry.configuration.notes=
entry.configuration.ping=1
entry.configuration.polling_policy=default
entry.configuration.port=161
entry.configuration.privkey=
entry.configuration.privpassword=
entry.configuration.privprotocol=des
entry.configuration.remote_connection_name=SSH to Node
entry.configuration.remote_connection_url=ssh://$host
entry.configuration.roleType=default
entry.configuration.serviceStatus=Development
entry.configuration.threshold=1
entry.configuration.timezone=0
entry.configuration.username=
entry.configuration.version=snmpv2c
entry.configuration.webserver=0
entry.configuration.wmidomain=
entry.configuration.wmipassword=
entry.configuration.wmiusername=
entry.configuration.wmiversion=Version 2
entry.name=Printer
entry.uuid=3c173905-aae1-4c84-bc1e-b4cb41a23a9d
[omkadmin@omk-vm9-centos7 tmp]$
```

1. From the output you can pick the header you want and put it in your import node CSV.

Example: If I wanted to add Status to my import I would find my output of serviceStatus: entry.configuration.serviceStatus=Development

Import would look like:

name	host	group	role	community	netType	roleType	activated.NMIS	activated.opConfig	serviceStatus