

Import Nodes into NMIS8 from Zenoss zenbatchdump file

To assist with integrating NMIS with other network management systems, NMIS includes a little script for importing nodes from a zenbatchdump file. This script handles importing nodes both with SNMPv3 and earlier SNMP support.

The Zenoss bulk import script can be found in `/usr/local/nmis8/admin/import_zenoss_backup.pl` and there is a sample zenbatchdump file at `/usr/local/nmis8/admin/samples/zenbatchdump_sample.txt`

The command-line parameters can be viewed by running the script without arguments:

```
import_zenoss_backup.pl \
  zenbatchdump=/usr/local/nmis8/admin/samples/zenbatchdump_sample.txt \
  nodes=/usr/local/nmis8/conf/Nodes.nmis.new \
  locations=/usr/local/nmis8/conf/Locations.nmis.new \
  customers=/usr/local/nmis8/conf/Customers.nmis.new \
  role=access group=NMIS8 customer_is_imported_group=0|1 fixNames=0|1 setlocation=all|setAddress|setTitle
verbose=1|0
```

- **zenbatchdump** is a required argument to the zenbatchdump file from which the import is to be run;
- **nodes** is a required argument that points at the **Nodes.nmis** target file that NMIS8 already loaded nodes and the imported nodes will be written to;
- **locations** is a required argument that points at the **Locations.nmis** target file that NMIS8 already loaded locations and the imported locations will be written to;
- **customers** is a required argument that points at the **Customers.nmis** target file that NMIS8 already loaded customers and the imported customers will be written to - **customers are loaded from the '/Groups/' provided in the zenbatchdump file we are importing from;**
- **role=access** causes role for all imported devices to be set to **role=access**, which is also the default should no role be provided on the command-line - role can be set to the desired value for the imported nodes using this argument;
- **group=NMIS8** causes role for all imported devices to be set to **group=NMIS8**, which is also the default should no group be provided on the command-line - group can be set to the desired value for the imported nodes using this argument;
- Each imported node can have its customer property set to the last group provided in the setGroups directive of the zenbatchdump file by passing argument **customer_is_imported_group=1**; **customer_is_imported_group=0** is the default;
- **fixNames=1** causes the script to attempt to fix any imported nodenames that are not deemed suitable by the script; **fixNames=0** is the default;
- **setlocation=all|setAddress|setTitle** provides some flexibility in how Locations are imported:
 - **setlocation=all**, the default, causes all locations to be imported;
 - **setlocation=setAddress** causes only those locations that include a setAddress directive to be imported;
 - **setlocation=setTitle** causes only those locations that include a setTitle directive to be imported;
- **verbose=1**, the default, causes complete information to be printed as output during the import; **verbose=0** causes only important information to be printed as output during the import.

The output from the script when run successfully should end with output along the lines of:

```
RESULTS:

3 locations processed
3 locations added
0 locations updated

New locations imported into "Locations.nmis.test", check the file and copy over existing NMIS Locations file
cp Locations.nmis.test /usr/local/nmis8/conf/Locations.nmis

2 customers processed
2 customers added
0 customers updated

New customers imported into "Customers.nmis.test", check the file and copy over existing NMIS Customers file
cp Customers.nmis.test /usr/local/nmis8/conf/Customers.nmis

3 nodes processed
3 nodes added
0 nodes updated

New nodes imported into "Nodes.nmis.test", check the file and copy over existing NMIS Nodes file
cp Nodes.nmis.test /usr/local/nmis8/conf/Nodes.nmis
```

Once one is satisfied that the contents of the target Nodes.nmis, Locations.nmis and Customers.nmis files are as desired, one can backup then replace the equivalent NMIS8 operational files Node.nmis, Locations.nmis and Customers.nmis in directory /path/to/nmis8/conf/ with these target files generated by this import script.