

Inventory Export of GPON and MPLS services for use by OSS Systems

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Summary

The NOC team required an export of data for their OSS systems. This data needed to be included in a series of Excel Spreadsheets which were loaded by an ETL for upload into the OSS.

Requirement

TODO

Solution

TODO

Installation

The code for this solution is included in the NMIS9 contrib folder which is available in the installation or from [NMIS9@GitHub](#), it will be in the folder nmis9/contrib/noc_inventory_export

A good option to install is to create a util folder e.g. /usr/local/nmis9/util and then create a symbolic link so the file will run with the correct paths.

Some handy commands (sudo might be required):

```
sudo mkdir /usr/local/nmis9/util
sudo ln -s /usr/local/nmis9/contrib/noc_inventory_export/oss_export_cisco.pl /usr/local/nmis9/util/oss_export_cisco.pl
sudo ln -s /usr/local/nmis9/contrib/noc_inventory_export/oss_export_mpls.pl /usr/local/nmis9/util/oss_export_mpls.pl
sudo /usr/local/nmis9/bin/nmis-cli act=fixperms
```

Run it

To run it on a single node, check the embedded help.

oss_export_cisco.pl - 2.0.0

NAME

oss_export_cisco.pl - Exports nodes and ports from NMIS into an Excel spreadsheet.

SYNOPSIS

oss_export_cisco.pl [options...] dir=<directory> [option=value] ...

DESCRIPTION

The oss_export_cisco.pl program Exports NMIS nodes into an Excel spreadsheet in the specified directory with the required 'dir' parameter. The command also creates Comma Separated Value (CSV) files in the same directory. If the '--interfaces' option is specified, Interfaces will be exported as well. They are not included by default because there may thousands of them on some devices.

OPTIONS

--debug=[1-9]	- global option to print detailed messages
--help	- display command line usage
--interfaces	- include interfaces in the export
--usage	- display a brief overview of command syntax
--version	- print a version message and exit

ARGUMENTS

dir=<directory>	- The directory where the files should be stored. Both the Excel spreadsheet and the CSV files will be stored in this directory. The directory should exist and be writable.
[conf=<filename>]	- The location of an alternate configuration file. (default: '/usr/local/nmis9/util/./conf')
[debug=<true false yes no info warn error fatal verbose 0-9>]	- Set the debug level.
[separator=<character>]	- A character to be used as the separator in the CSV files. The words 'comma' and 'tab' are understood. Other characters will be taken literally. (default: 'tab')
[xls=<filename>]	- The name of the XLS file to be created in the directory specified using the 'dir' parameter'. (default: 'oss_export.xlsx')

EXIT STATUS

The following exit values are returned:

0	Success
215	Failure

EXAMPLE

oss_export_cisco.pl dir=/tmp separator=comma