Table of Contents

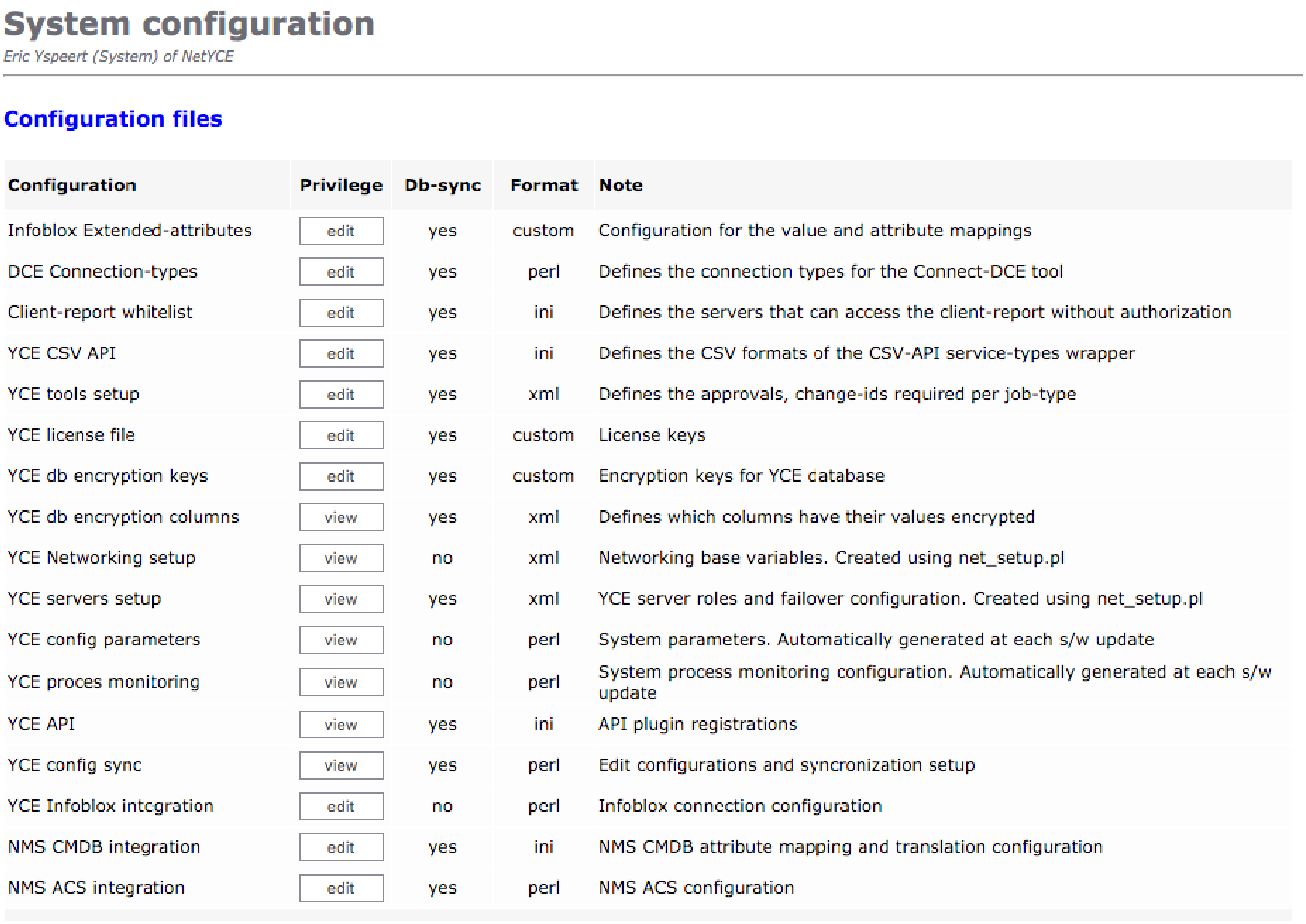
Configuration files

NetYCE uses various configuration files for many different purposes. Some deal with customer-specific integrations, others should be shared across all NetYCE servers. These files are formatted using different syntaxes (ini, perl, custom) using different validation rules.

To simplify the administration of the NetYCE systems, these files can be edited and, where applicable, distributed using the NetYCE database where it will also maintain a change history (10 revisions).

Depending on the operator's privileges, the tool will grant read-only or read-write access to these configuration files. Some files might be forbidden from view.

The typical view for a “Manager” level operator shows that most configuration files are editable and some automatically files are only viewable. Those files that are not system specific can synchronize their content over the various systems and have a database-based history maintained. Files not synchronized have no database archive.



System configuration

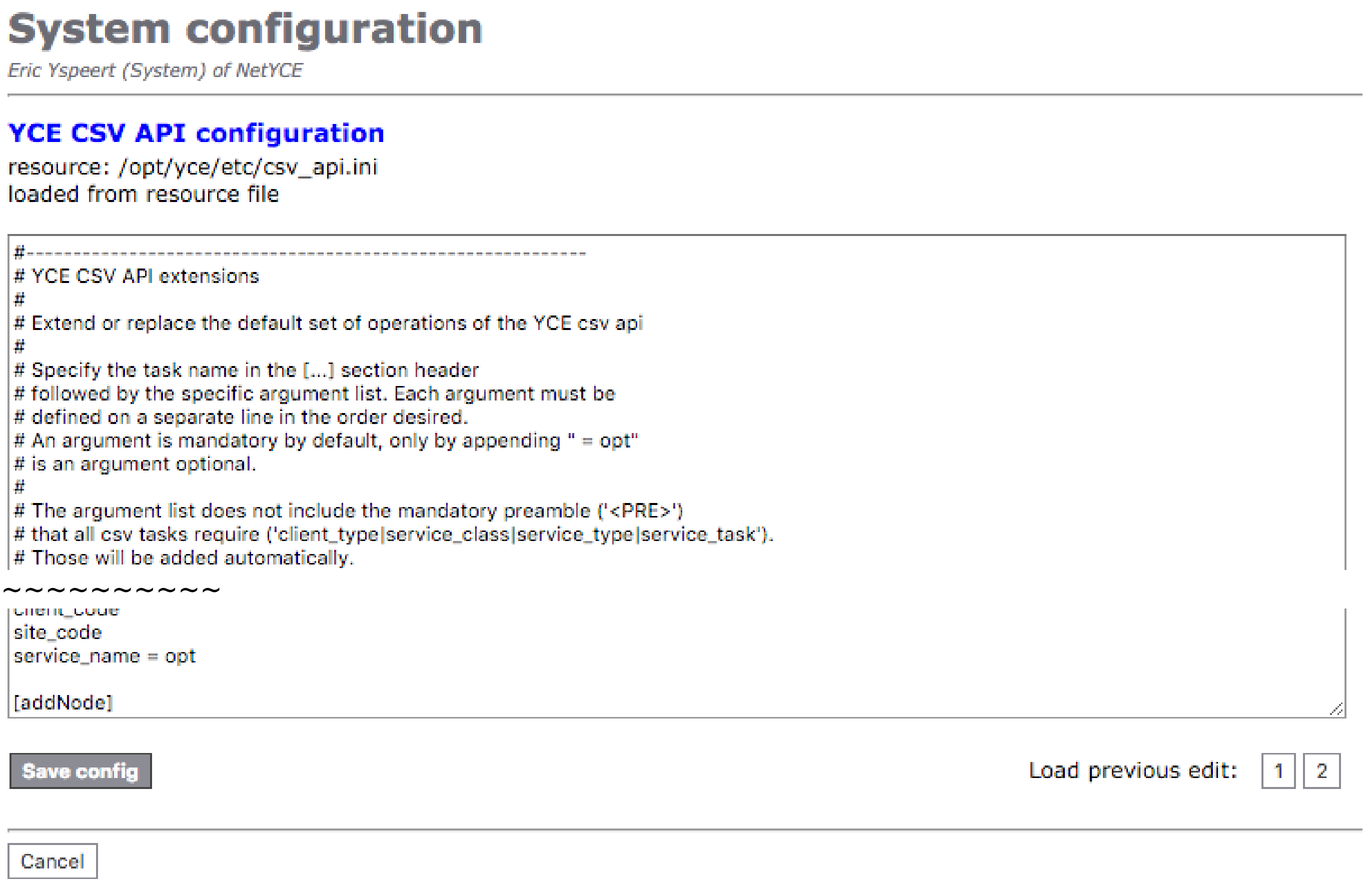
Eric Yspeert (System) of NetYCE

Configuration files

Configuration	Privilege	Db-sync	Format	Note
Infoblox Extended-attributes	edit	yes	custom	Configuration for the value and attribute mappings
DCE Connection-types	edit	yes	perl	Defines the connection types for the Connect-DCE tool
Client-report whitelist	edit	yes	ini	Defines the servers that can access the client-report without authorization
YCE CSV API	edit	yes	ini	Defines the CSV formats of the CSV-API service-types wrapper
YCE tools setup	edit	yes	xml	Defines the approvals, change-ids required per job-type
YCE license file	edit	yes	custom	License keys
YCE db encryption keys	edit	yes	custom	Encryption keys for YCE database
YCE db encryption columns	view	yes	xml	Defines which columns have their values encrypted
YCE Networking setup	view	no	xml	Networking base variables. Created using net_setup.pl
YCE servers setup	view	yes	xml	YCE server roles and failover configuration. Created using net_setup.pl
YCE config parameters	view	no	perl	System parameters. Automatically generated at each s/w update
YCE proces monitoring	view	no	perl	System process monitoring configuration. Automatically generated at each s/w update
YCE API	view	yes	ini	API plugin registrations
YCE config sync	view	yes	perl	Edit configurations and syncronization setup
YCE Infoblox integration	edit	no	perl	Infoblox connection configuration
NMS CMDB integration	edit	yes	ini	NMS CMDB attribute mapping and translation configuration
NMS ACS integration	edit	yes	perl	NMS ACS configuration

Viewing or editing a file is initiated by clicking the appropriate button. Buttons labeled none have no action indicating no-access.

While editing the configuration file is “locked” system wide. However this lock simply results in a warning and con be overridden by anyone allowed to edit the file. No lock warning is issued if held by the same user attempting to edit.



System configuration

Eric Yspeert (System) of NetYCE

YCE CSV API configuration

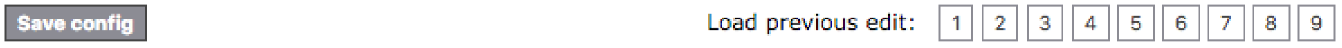
resource: /opt/yce/etc/csv_api.ini

loaded from resource file

```
#------------------------------------------------------------
# YCE CSV API extensions
#
# Extend or replace the default set of operations of the YCE csv api
#
# Specify the task name in the [...] section header
# followed by the specific argument list. Each argument must be
# defined on a separate line in the order desired.
# An argument is mandatory by default, only by appending " = opt"
# is an argument optional.
#
# The argument list does not include the mandatory preamble ('<PRE>')
# that all csv tasks require ('client_type|service_class|service_type|service_task').
# Those will be added automatically.
~~~~~~~~~~~
client_code
site_code
service_name = opt

[addNode]
```

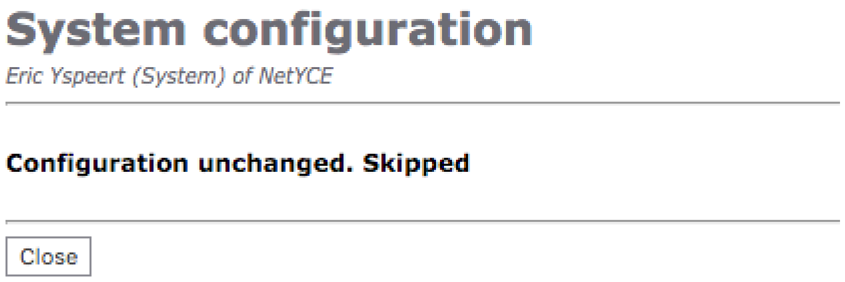
If older versions of the configuration file exist in the database, their revision sequence is shown at the bottom of the session. The revision sequence number increases by one for each revision. Number 1 is the previous version, 9 being the oldest.



By selecting the revision, it is loaded into the form for editing or viewing. Only when edit privileges apply can an older revision be saved (and is therefore restored).

By restoring an older revision, a new revision is created, bouncing the existing revision one up.

Saving an unchanged file is detected and performs no actions.

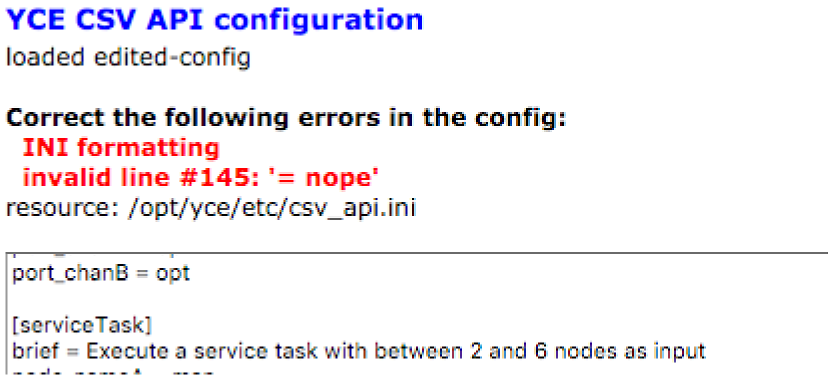


System configuration

Eric Yspeert (System) of NetYCE

Configuration unchanged. Skipped

For non-custom file formats a basic syntax check is performed. The operator cannot save the file until the error is corrected.



YCE CSV API configuration

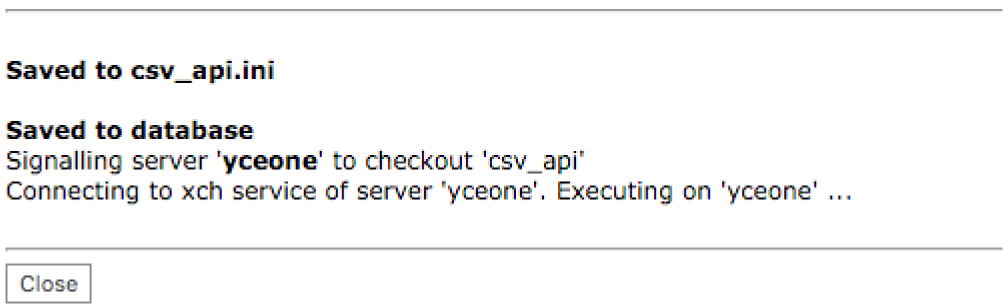
loaded edited-config

Correct the following errors in the config:
INI formatting
invalid line #145: '= nope'
resource: /opt/yce/etc/csv_api.ini

```
port_chanB = opt

[serviceTask]
brief = Execute a service task with between 2 and 6 nodes as input
```

If there are no errors and the file is saved successfully while the `Db-sync` is enabled for that file, a command is sent to every NetYCE system to checkout the latest revision ('0') of the file indicated. It is then saved to its target location.



Saved to csv_api.ini

Saved to database
Signalling server '**yceone**' to checkout 'csv_api'
Connecting to xch service of server 'yceone'. Executing on 'yceone' ...

Additional steps may be required to activate the new settings as in the case of daemon processes, but mostly the config files are read when a specific tool is started.

From:
https://labs-wiki.netyce.com/ - **Technical documentation**

Permanent link:
https://labs-wiki.netyce.com/doku.php/menu:admin:setup:edit_configs

Last update: **2022/05/16 08:29**