Advantest FlexNet Embedded license client tools

Advantest FlexNet Embedded (FNE) license client tools are used to manage license clients, including testing license checkouts from a license server and listing all checked out licenses.

Advantest FlexNet Embedded license client tools usage

The following table lists the available Advantest FlexNet Embedded (FNE) license client tools and their usage:

Advantest FlexNet Embedded license client tools

Option	Description	
`test_license_checkout`	Tests the license checkout from a license server.	
	Location:	/opt/hp93000/soc64_<version>/.service/bin/
	Examples:	**`test_license_checkout -t 60 -f SmarTest_SOC`**
	Syntax:	`test_license_checkout -t <time in sec.> -f <feature name>`
`fne-show-license-usage`	Iterates through the FlexNet Embedded servers defined in /etc/fne/client.conf and lists all checked out licenses.	
	Location:	/usr/local/bin (If the FNE client package is installed)
	Options:	`-a[ll]`, `-h[elp]` and `-v[ersion]`

Option	Description	
Usage:	`-a` - Shows all clients managed by the servers (default: Only clients on the local machine). `-h` - Shows the help information. `-v` - Displays the version of the `fne-show-license-usage` tool.	
`fne-list-licenses`	Iterates through the FlexNet Embedded servers defined in /etc/fne/client.conf and lists all licenses (used and available). Provides detailed information about the available licenses including: • Content of the AssetScale tokens • Locking of licenses • Expiry information	
	Location:	/usr/local/bin (If the FNE client package is installed)
	Options:	`<no option>`, `--feature`, `--expires`, `--assetScale`, and `-h[elp]`
	Usage for general options:	No option: Lists licenses provided by all servers. `--feature=<xyz>` - Lists only licenses of the specified feature. `--expires[=<n>]` - Lists only licenses expiring in the next n days. Default for n: 30. `--assetScale` - Lists the AssetScale tokens and shows their content. `--v[ersion]` - Displays the tool version information.

Option	Description	
Usage for tabular output options:	Note: **Options are processed in the order that they are stated.** Use `--sep` and `--notitle` before `--csv`. `--sep[arator]=<d>` - Defines column separator for csv output: Defaults to ",". `--notitle` - Omits title line in csv output (for scripting). `--listtokens` - Shows all currently available tokens for csv output. Note: At least one license must be borrowed to show complete list. `--match=<list of filters>` - Filter shown borrow records. `--csv=<list of tokens>` - Show licenses borrowed in csv format. Note: There is always one line per feature.	
fne-clear-SmarTest-licenses.sh	Clears orphaned licenses from crashed SmarTest sessions on FNE servers. (Available from FNE **2024.10**). Installed as part of the FNE client package. Executed on the system controller (FNE license client workstation).	
	Location:	/usr/local/ (If the FNE client package is installed)
	Options:	`<no option>`, `--v[ersion]`, `--h[elp]`
	Usage:	No option: Clears licenses. `--v[ersion]` - Displays the tool version information. `--h[elp]` - Prints the help information.

Example

Usage examples for the fne-list-licenses tool

List licenses **provided by all servers:**

```
$ fne-list-licenses
Server: Feature Server (redundant)
\-URL: http://fne1.domain.com:7070/fne/bin/capability
-SEL: DEVICEOWNER:UPSTREAM
100000 x Digital_E803x_E8070_16_32MB/1.0
100000 x Digital_E803x_E8070_32_64MB/1.0
100000 x Digital_E803x_E8070_64_112MB/1.0
...
```

List all licenses **expiring in the next 28 days** (request date 30.04.2018).

```
$ fne-list-licenses --expires=28
Server: Feature Server (redundant)
\-URL: http://fne1.domain.com:7070/fne/bin/capability
-SEL: DEVICEOWNER:UPSTREAM
100000 x Digital_E803x_E8070_16_32MB/1.0 expires 2018-05-28
...
```

List licenses of **all features including the string `Company`**:

```
$ fne-list-licenses --feature=Company_
Server: Feature Server (redundant)
\-URL: http://fneserver.domain.com:7070/fne/bin/capability
1000 x Company_Details/1.0
Company=COMPANY_NAME
```

List **AssetScale tokens** and show their content:

```
$ fne-list-licenses --assetScale
Server: Feature Server (redundant)
\-URL: http://fneserver.domain.com:7070/fne/bin/capability
123 x Token_OWNER_BRAND_PremiumTier/1.0
Locked to DeviceOwner=OWNER_BRAND
Content of AssetScale bundle:
```

```
1 x ANALOG_E9723B_MEAS_4_8/1.0
...
```

Show usage of a specific **feature**:

```
$ fne-list-licenses ---notitle -m featureName=Digital_E803x_E8070_16_32MB -csv
featureCount,used,featureName
100000,10,Digital_E803x_E8070_16_32MB
```

Show **all licenses** locked to a **DeviceOwner**:

```
$ fne-list-licenses --match selectorsDictionary.DeviceOwner=UPSTREAM -csv
server.name,featureName server.name,featureName
Feature Server (redundant),Token_UPSTREAM_PremiumTier
```

Clear the licenses currently in use on the client:

```
$ fne-clear-SmarTest-licenses.sh
Clearing borrowed licenses for device id 6451063D7784.starter_2tplf
```

Returns a **message describing the devices** for which the licenses are being cleared:

```
Clearing borrowed licenses for device id 6451063D7784.starter_2tplf
```

Revision #4
Created 2025-10-15 09:59:16 CEST by Ekaterina Nikitina
Updated 2026-02-12 19:12:59 CET by Jiawei Zhang