Licensing Preferences

Licensing preferences are supported by any licensed application, such as Modeler and `op_runsim`. Preferences enable you to configure various aspects of program operation. In OPNET analysis software, you can view and modify preferences by choosing Edit > Preferences. You can also use these preferences as arguments when managing licenses from the command line (see Managing Licenses from the Command Line).

Enable HTTPS for Express License Registration

Enables secure communication with the OPNET license registration server. The default value is TRUE. In rare cases, you may wish to disable HTTPS (for example, when you are using a web proxy), though this is not recommended.

Tag	license_https_enable
Data Type	Boolean
Default Value	TRUE

Note—If you set this preference to FALSE, you must also set the License HTTP Server preference to "licensing.opnet.com," or licensing will fail with an error message. Communications will then be conducted over an unencrypted channel and may expose sensitive information during the transaction.

Username for License Authentication

Specifies the username that will be sent to the web server during express license transactions. Used with License Password to authenticate yourself to the web server.

Tag	license_username
Data Type	string
Default Value	""

License Password

Specifies the password used for authentication before beginning an express license registration through technical support on the OPNET Technical Support web site. This is typically the same password you use when entering the User Community section of the OPNET web site. This preference is stored in encrypted format.

Tag	license_password
Data Type	password
Default Value	""

License HTTP Server

Specifies the web server the License Manager uses when performing license transactions via the OPNET web site.

Tag	license_http_server
Data Type	string
Default Value	"licenses.opnet.com"

License Group ID

Specifies your group ID number, the number assigned to you by OPNET when you purchased the software. To find your group ID, choose About This Application from the Help menu. Your group ID is used for express license registrations through technical support on the technical support web site.

Tag	license_group
Data Type	string
Default Value	""

Use HTTP Proxy

Specifies whether to use an HTTP proxy server for express license registrations.

Tag	license_http_use_proxy
Data Type	Boolean
Default Value	FALSE

HTTP Proxy Server Port

Specifies an HTTP proxy server port to be used for express license registrations.

Tag	license_http_proxy_port
Data Type	integer
Default Value	80

HTTP Proxy Server Name

Specifies an HTTP proxy server to be used for express license registrations.

Tag	license_http_proxy_server
Data Type	string
Default Value	""

HTTP Proxy Server Username

Specifies a user name to use when authenticating to an HTTP proxy server. If your site controls access to the Internet with an HTTP proxy server, you should set this preference to allow express licensing transactions to take place.

Tag	license_http_proxy_user
Data Type	string
Default Value	""

Password for HTTP Proxy Server Authentication

Specifies a password to use when authenticating to an HTTP proxy server. If your site controls access to the Internet with an HTTP proxy server, you should set this preference to allow express licensing transactions to take place. This preference is stored in encrypted format.

Tag	license_http_proxy_password
Data Type	password
Default Value	""

Managed Servers

Specifies a space-separated list of <server>, <port> pairs to be explicitly contacted by the License Manager. This preference causes license servers that are not in the same IP network segment as the License Manager to appear in the license server treeview. If <port> is not specified, "port_a" is assumed. For example: `iasimov,port_a rbradbury,port_b aclarke10`.

Tag	license_managed_servers
Data Type	string list
Default Value	<empty>

License Server Port

Specifies the name of the communication port. This preference can have one of three possible values: port_a, port_b, or port_c. This preference is used in conjunction with License Server Name to uniquely identify a server running the licensing process and must be assigned a value.

To determine which ports are available for use by `op_license_server`, run `op_license_util` in port check mode on the machine where a license server is to be run (`op_license_util -port_check`). The licensing system uses UDP ports for communication. Each port corresponds to a UDP port (port_a is 2047, port_b is 2123, and port_c is 2345).

On Linux platforms, you can change this preference by stopping `op_license_server,` then re-starting it with the new `License Server Port` value.

Tag	license_port
Data Type	string
Default Value	"port_a"

License Server Name

Specifies the name of a server that has a license file and can allocate licenses to clients requesting them. The server name is a string that follows the naming conventions supported by the TCP/IP protocol suite. This means that simple names (such as cbanana) and dot-separated addressing domains (athena.foo.edu) are supported. This preference is used with License Server Port to uniquely identify a server running the licensing process. An error will occur if a licensing process is not running on the specified host computer or if

the host computer is not found. This preference must be assigned a value.

Tag	license_server
Data Type	string
Default Value	"localhost"

Standalone License Server

Specifies that atx will run in standalone licensing mode. In this mode, the program acts as its own license server. Other machines cannot get licenses from this server. Only this single instance of the application will launch.

This preference can be used with atx or `op_runsim`, but not with `op_license_server`. When this preference is TRUE, the License Server Name and License Server Port preferences are ignored.

Tag	license_server_standalone
Data Type	Boolean
Default Value	FALSE

Diagnose Standalone License Server

Specifies that atx will run in standalone licensing mode and will send diagnostic information to the license log. In this mode, the program acts as its own license server. Other machines cannot get licenses from this server. Only this single instance of the application will launch.

This preference can be used with atx or `op_runsim`, but not with `op_license_server`.

Tag	license_server_standalone_diagnose
Data Type	Boolean
Default Value	FALSE

Enable Simplified Loanable License

Specifies whether the license manager supports simplified loanable licensing.

Tag	license_simple_loanable_enable
Data Type	Boolean
Default Value	TRUE

Maintenance Warning Interval

Specifies the interval in days between maintenance expiration warnings. These warnings are automatically displayed when you exit a program that requires a license, beginning 60 days before expiration and ending when maintenance is renewed. The warning appears every n days, where n is the value of this preference, except for the period beginning 7 days before expiration and ending 7 days after expiration, when the warning appears every day.

Tag	mtn_warn_int
Data Type	integer
Default Value	3

Ping Old Servers

Specifies whether the License Manager should try to locate servers from prior releases of OPNET analysis software. If TRUE, the License Manager will take longer to start up as it looks for old license servers on the network.

Tag	license_ping_old_servers
Data Type	Boolean
Default Value	FALSE

op_license_server Preferences

op_license_server supports the following preference sets:

- Standard preferences

- Diagnostics preferences

- Licensing preferences (license_port only)

op_license_server also supports the following additional preference:

diagnose

Specifies that `op_license_server` run in diagnose mode, writing detailed information to the log file `license_server_log`. For more information, see License Server Log.

Run `op_license_server` in diagnose mode only when troubleshooting the license server.

Data Type	Boolean
Default Value	False

For information about the Standard and Diagnostics preference sets, see the "Preferences" section of the *Reference Guide.*