Restricting License Server Administration

You can restrict access to server administration operations by creating an administration authorization file (`admin_auth`) that is stored on a specific license server. This file specifies machines and users: only the users listed, when logged into the machines listed, can perform server administration operations on that server.

The following operations are restricted:

• Add License

• Revoke License (however, users who are already using licenses can always revoke their own licenses)

• Change Maintenance Expiration

• Change License Expiration

• Deregister License

• Clear License File

• Update System Date

• Start Server

• Stop Server

WARNING—If you do not create an administration authorization file, any user from any machine has access to these operations.

The administration authorization file is a text file with the following format:

```
<machine> <user>
...
<machine> <user>
```

You can use a plus sign (+) to mean any user or any machine, as shown in the following example.

```
engineering1 root
js_pizza_box jsmith
ww_NT wwilson
+ hhoover
engineering_test +
```

This example file shows that:

• any user logging in as `root` on `engineering1` can perform server administration operations

• `jsmith` can perform operations when logged into `js_pizza_box`

• `wwilson` can perform operations when logged into `ww_NT`

- hhoover can perform operations when logged into any machine

- any user can perform operations when logged into engineering_test

Name the administration authorization file as admin_auth and place it on the license server for which you want to control administration operations, in the same directory as the license file:

Windows: <primary_hard_drive>:\OPNET_license\

Linux: /opt/OPNET_license/

After adding or editing an administration authorization file, you must do one of the following things to make it take effect:

- In the License Manager, choose **Tools > Refresh Server Authorization Files**.

- Stop and restart the license server

This preference specifies that op_license_server run in diagnose mode, writing detailed information to the log file license_server_log. For more information, refer to 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.*

Restricting License Users

You can restrict the users of a particular license server by creating a user authorization file (`user_auth`). In this file you list machine-user pairs that are allowed to receive licenses from that server. A license server with a `user_auth` file will grant licenses only to those machine-user pairs listed in the file.

WARNING—If you do not create a user authorization file, any user from any machine can obtain licenses and run applications.

A user authorization file is a text file with the same format as an administration authorization file (see Restricting License Server Administration for details). Name the user authorization file as `user_auth` and place it on the license server for which you want to specify users, in the same directory as the license file:

Windows: `<primary_hard_drive>:\OPNET_License\`

Linux: `/opt/OPNET_license/`