



Network License Server Lab: Leave Your Intimidation at Home

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Class summary

This hands-on lab is designed for CAD/BIM administrators or IT support staff who are intimidated by network licensing, knowing that if their license servers fail, all their users could be down. In the lab, each user gets the opportunity to walk through license server installation and configuration from start to finish. Users learn a variety of tips and tricks to make sure their network license infrastructure is resilient to outages.

Key learning objectives

At the end of this class, you will be able to:

- Show that network licensing is simple and easy
- Use various deployment models and setup options to fine-tune your configuration
- Implement simple tricks to make deploying and moving users to new servers quick and painless
- Describe the contents of license and options files

Lab Outline

1. Install VMware Player
2. Install Network License Server
3. Install AutoCAD
4. Run AutoCAD using network license
5. Other License Server Tasks

While we're waiting....

Options File

File = adskflex.opt

Same name as ADSKFLEX.EXE vendor daemon

Put next to license file

What can you do?

Options File

TIMEOUT *feature seconds*

Specify idle timeout for a feature, returning it to the free pool for use by another user.

Options File

TIMEOUTALL *seconds*

Set timeout on all features.

Options File

DEBUGLOG *[+]debug_log_path*

Writes debug log information for this vendor daemon to the specified file.

Note: Use “+” prefix to append to existing log otherwise log is overwritten each time license server is restarted.

Do *NOT* use UNC, relative path or locations on other servers. Keep path/file local to drive on license server.

Options File

REPORTLOG *[+]report_log_path*

Specify that a report log file suitable for use by the FlexNet Manager license usage reporting tool be written.

Note: Use “+” prefix to append to existing log otherwise log is overwritten each time license server is restarted.

Do *NOT* use UNC, relative path or locations on other servers. Keep path/file local to drive on license server.

Options File

MAX_BORROW_HOURS *feature hours*

Changes the maximum borrow period for the specified feature.

Options File

BORROW_LOWWATER *feature number*

Set the number of BORROW licenses that cannot be borrowed.

Options File

EXCLUDE *feature type name/group*

Deny a user access to a feature.

Type = USER, HOST, GROUP, HOST_GROUP

Options File

`EXCLUDE_BORROW` *feature type name/group*

Deny a user the ability to borrow BORROW licenses.

Type = USER, HOST, GROUP, HOST_GROUP

Options File

EXCLUDEALL *type name/group*

Deny a user access to *all* features served by this vendor daemon.

Type = USER, HOST, GROUP, HOST_GROUP

Options File

INCLUDE *feature type name/group*

Allow a user to use a feature.

Type = USER, HOST, GROUP, HOST_GROUP

Options File

`INCLUDE_BORROW feature type name/group`

Allow a user to borrow BORROW licenses.

Type = USER, HOST, GROUP, HOST_GROUP

Options File

INCLUDEALL *type name/group*

Allow a user to use *all* features served by this vendor daemon.

Type = USER, HOST, GROUP, HOST_GROUP

Options File

GROUP *group_name user_list*

Define a group of users for use with any options.

Options File

HOST_GROUP *group_name host_list*

Define a group of hosts for use with any options.

Options File

GROUPCASEINSENSITIVE *ON/OFF*

Sets case sensitivity for user and host lists specified in GROUP and HOST_GROUP keywords.

Options File

RESERVE *number feature type name/group*

Reserve licenses for a user or group of users/hosts.

Servers

Use DNS Alias to move all clients to a new server

From DOS....update local DNS cache....

IPCONFIG /FLUSHDNS

IPCONFIG /REGISTERDNS

Servers

Specify PORT Numbers to increase success in getting a license while connected via VPN or other troublesome connections.

27000@server

Questions

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