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## **10**      **Setting Up a Floating License Client**

## Floating License Overview

The 89600 Series Software uses Macrovision's Flexible License Manager (FLEXlm) software for floating (network) software security configurations. When you run the 89600 Series Software setup program, the FLEXlm software is installed at *%SystemRoot%\vsa\licenses\bin* where *%SystemRoot%* is typically *c:\WINDOWS*.

The FLEXlm floating licenses require a server computer, to manage license control, and client computers, those on which you obtain a license from the server and run the 89600 series software.

This chapter covers setting up FLEXlm licensing on PC or PCs:

1. Install 89600 Series Software and license support as instructed in [Chapter 2, "89600 Software Installation."](#)
2. Set system environment variable (see [page 159](#)).
3. Start the 89600 software (see [page 161](#)).

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## Setting the System Environment Variable

To run 89600 Series Software and check out a license from the license server, you must set the AGILEVSA\_LICENSE\_FILE environment variable.

The environment variable specifies the name of the license server computer (or computers) from which you will get a license to run 89600 software. You specify a name for the environment variable (AGILEVSA\_LICENSE\_FILE) and assign a value. The value is the license computer name and, optionally, the TCP port number assigned. Your license administrator will provide you with the computer name and, if required, the port number.

The following table shows the possible formats for the variable value.

	Value format
Single server, no port number assigned	@mike
Redundant server	@mike;@mike2;@mike3

Follow these instructions to set the environment variable.

1. Get the name of the server computer (or computers) from your license administrator.

To find the name of the server computer, on that computer click **Start > (All) Programs > Agilent 89600 License Support > LMTOOLS > System Settings**. The computer name is listed in the Computer/Hostname box.

2. For Windows XP, click **Start > Control Panel > Performance and Maintenance > System > Advanced > Environment Variables**.

For Windows 2000, click **Start > Settings > Control Panel > System > Advanced > Environment Variables**.

3. Add a new variable named AGILEVSA\_LICENSE\_FILE that points to the license server computer.
  - a. Click **New** under the User variables or System variables list.

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### Note

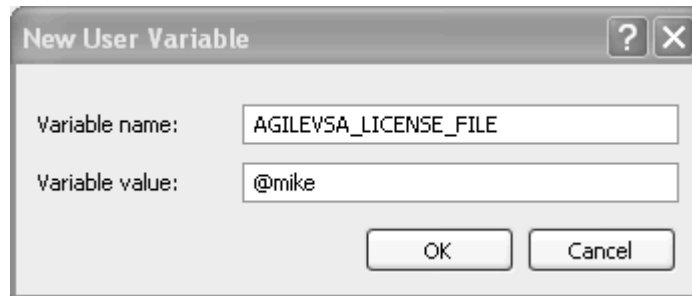
You can enter the AGILEVSA\_LICENSE\_FILE environment variable either as a user variable or as a system variable. The user variable affects only the currently logged-in user; the system variable affects all users.

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### Setting the System Environment Variable

- b. In the Variable name box, type `AGILEVSA_LICENSE_FILE`
- c. In the Variable value box, type `@` and the name of the server computer (mike, in this example)



- d. Click **OK**, **OK**, **OK**, and close the Control Panel window.

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#### Important

The `AGILEVSA_LICENSE_FILE` environment variable takes precedence over any `LM_LICENSE_FILE` settings you might have set up for other applications that use FLEXlm licensing. `AGILEVSA_LICENSE_FILE` is searched first for a valid license before `LM_LICENSE_FILE`. As a result, using the `AGILEVSA_LICENSE_FILE` variable will isolate your 89600 Series Software license configurations from other applications that use the `LM_LICENSE_FILE` variable.

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## Starting the 89600 software

Start the application by double-clicking the appropriate icon on your desktop or by using the Start menu:

**Start > (All) Programs > Agilent 89600 VSA > Spectrum Analyzer  
or Vector Signal Analyzer**

**Start > (All) Programs > Agilent Distortion Suite > Distortion Suite**

**Start > (All) Programs > Agilent WLAN Test > WLAN Test.**

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