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LANsurveyor Responder Client Technical Details

NETWORK MANAGEMENT SOLUTIONS

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- The ports LANsurveyor Responder Clients require.
- The name and location of the LANsurveyor Responder Client log files.
- Details describing important differences across LANsurveyor Responder Client installations on different operating systems.

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Internet Protocol Specifications

LANsurveyor Responder Clients use both UDP and TCP to communicate with the LANsurveyor management application. LANsurveyor uses UDP port 4347 to probe for LANsurveyor Responder Clients, and it uses TCP port 4347 to both query and manage LANsurveyor Responder Clients.

Log File Maintenance

The LANsurveyor Responder Client creates and maintains a text log file that includes start and stop times and a record of every command received from a copy of LANsurveyor. This log file is named and located, as follows, according to the OS version on which the LANsurveyor Responder Client is running:

- Windows 95/98/ME: C:\Windows\Neon Responder Log.txt
- Windows NT/2000/XP/Vista: C:\Windows\Neon Responder Log.txt
- Classic Mac OS (except OS X): Preferences\Neon Responder Log
- Mac OS X: /var/log/NeonResponder.log, or you can access it using the console by clicking **File > Open Quickly > /var/log/NeonResponder.log**
- Linux: /var/log/NeonResponder.log

Operating System-specific Technical Details

The following sections detail operating system-specific differences in the LANsurveyor Responder Client.

LANsurveyor Responder Client for Windows

The LANsurveyor Responder Client for Windows is architected differently for each of the Windows versions on which it can run.

If you are using Windows 95, 98, or ME, the LANsurveyor Responder Client starts as a background application when Windows starts. The background application launches as the result of an entry in the Run Services folder of the Windows Registry.

If you are using Windows NT, 2000, 2003, XP, or Vista, the LANsurveyor Responder Client starts as an NT service. You can start, stop, and pause this service using the Services Control Manager.

LANsurveyor can deploy service-based LANsurveyor Responder Clients using Active Directory. For more information about deploying LANsurveyor Responder Clients in Windows environments, see the *SolarWinds LANsurveyor Administrator Guide*.

LANsurveyor Responder Client for Mac OS

The LANsurveyor Responder Client for Mac OS runs as an INIT/Background Application, using TCP/IP (Transmission Control Protocol/Internet Protocol). These are connection-oriented protocols used to

provide reliable, flow-controlled data transfer both to the LANSurveyor application and from it. The LANSurveyor Responder Client for Mac OS requires System 7, and it is compatible with both Mac OS 8 and Mac OS 9. You must place the LANSurveyor Responder Client in the `Extensions` folder of your Mac OS machine in order to load it when your computer starts.

LANSurveyor Responder Client for Mac OS X

The LANSurveyor Responder Client for Mac OS X runs as an OS X daemon. On Mac OS X 10.3.9 and later, the LANSurveyor Responder Client runs continuously as a daemon so that the LANSurveyor Responder Client is operational whenever the OS X computer is on, without the requirement of a user login. For OS X versions before OS X 10.3.9, the LANSurveyor Responder Client is only active when a user is logged-in to the OS X computer.

LANSurveyor Responder Client for Linux

The LANSurveyor Responder Client for Linux installs as a daemon, and it is operational even if no user is logged-in. There are two different LANSurveyor Responder Client installers: an rpm installer for distributions that use rpm and a dpkg installer for distributions that use dpkg. For more information, see the LANSurveyor Responder Client for Linux readme file in the LANSurveyor installation directory.