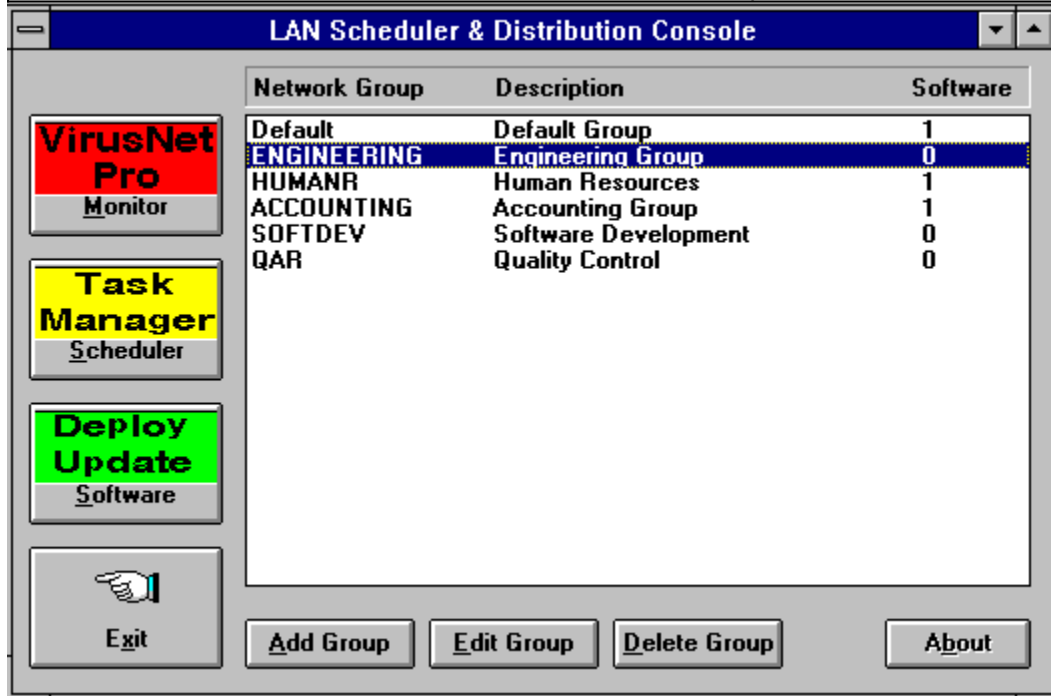


# LANSD Contents

## See Also:

- [Steps to Implement Workstation Virus Monitoring](#)
- [Steps to Implement Event Scheduling](#)
- [Steps to Implement Software Distribution](#)

Click on an item from the **Network Console** below to receive specific information on that item.



## Working with Network Groups

The Network Console provides powerful, network-wide control over virus protection, scheduling and software updates and distribution. Changes are distributed to workstations according to the settings defined in the Network Console.

Press F1 from any screen to receive context-sensitive help.

The Network Console screen is made up of two parts, the action buttons on the left, and the Network Groups in the window on the right. Select a group to work with from the list and then choose the action to perform. Buttons below the Network Groups list modify the contents of the list.

The first column displays the group names defined in the [Group Edit Window](#). The second column is a description of the group. These two columns are defined in the [Group Edit Window](#). The third column contains the number of software titles being maintained for members of that group. Software Titles are defined by selecting the Software button and then the "Database" button of the [Software Selection Window](#).

- [Virus Monitor](#)
- [Task Scheduler](#)
- [Deploy Update](#)

---

---

**Command Buttons**

- VirusNet/Pro / Monitor** - Manages the anti-virus monitoring profile for the highlighted group.
- Task Manager / Scheduler** - Manages scheduled events for the highlighted group.
- Deploy Update / Software** - Manages software updates for the scheduled group, and also provides access to the Software Database.

Each LANSD group has independent settings for anti-virus, scheduling and software distribution. The highlighted group will be used when these settings are selected. In this example, the Engineering Group is highlighted. Select the **Monitor**, **Scheduler** or **Software** buttons to access those features for the Engineering Group. The **Edit Group** and **Delete Group** buttons also affect the highlighted group.

# Task Scheduler

## See Also:

[Steps to Implement Event Scheduling](#)

The Task Scheduler runs events at specific times or intervals. Events can include programs, batch files and messages. Tasks can be run from Windows, during network login, or during workstation bootup.

There are three LANSD programs which have Scheduling abilities:

- SCHEDWIN.EXE** - Windows-based scheduler which manages private workstation schedules and performs scheduled DOS and Windows events. It is run in the background during Windows startup or from an icon in the Program Manager. SCHEDWIN is also used to manage Network Schedules from the LANSD Windows Network Console.
  
- LANAGENT.EXE** - When used with the /RUN parameter (LANAGENT /RUN), LANAGENT will run scheduled events from a batch file or network login script. Its other duties include managing software distribution and the workstation virus monitor.
  
- SCHEDDOS.EXE** - DOS-based scheduler which manages private workstation schedules and performs scheduled events, either in a batch file such as AUTOEXEC.BAT or through its full screen interface. When run in a batch file to perform events, the /RUN command-line switch must be used (SCHEDDOS /RUN). SCHEDDOS is also used to manage Network Schedules from the LANSD DOS Network Console.

More detailed help for the Windows Task Scheduler is located in a separate help file. [Click here](#) to view the Task Scheduler help.

## **LANSD** Group Edit Window

**See Also:**

[Steps to Implement Workstation Virus Monitoring](#)

[Steps to Implement Software Distribution](#)

The Group Edit Window provides editing of Descriptions and Group Names for your network groups. Each group can have unique anti-virus, scheduler and software settings. Type a description of the network group in the Description field. In the Network Group Name field, type in the name of the corresponding group as defined on your network. By using the Network Group Name from your network, the LANAGENT.EXE program can easily be integrated with the network.

# **LANSD** Software Database

## See Also:

[Steps to Implement Software Distribution](#)

The Software Database contains the complete list of Software Titles to be centrally maintained. These titles can be maintained for various network groups by selecting them from the [Software Selection Window](#).

---

---

## Command Buttons

- File List** - Accesses the [Setup Files Window](#) to manage files to be deployed for this Software Title.
- Add Title** - Creates a new Software Title definition.
- Edit Title** - Edits the highlighted Software Title.
- Delete Title** - Deletes the highlighted Software Title.



## Implementing Workstation Virus Monitoring

See Also:

[Steps to Implement Event Scheduling](#)

[Steps to Implement Software Distribution](#)



To implement workstation virus monitoring, follow these steps:

1. From the LANSD [Network Console](#), highlight the group you wish to work with.
2. Select the **VirusNet Pro / Monitor** button.
3. Define the desired options on the [Virus Monitor Setup](#) window.
4. Select the **Save** button.
5. Configure the network to run the **LANAGENT.EXE** program on each workstation that requires central virus monitoring. If a workstation will run settings for a group other than Default, remember to use the **/G=** parameter to specify the LANSD group to use.



## Implementing Workstation Event Scheduling

See Also:

[Steps to Implement Workstation Virus Monitoring](#)

[Steps to Implement Software Distribution](#)



To implement workstation event scheduling, follow these steps:

1. From the LANSD [Network Console](#), highlight the group you wish to work with.
2. Select the **Task Manager / Scheduler** button.
3. Define the scheduled events from the [Scheduler](#) window.
4. Select the **Exit** button from the Scheduler and save the changes.
5. Configure the network to run the **LANAGENT.EXE** program on each workstation that requires scheduling. If a workstation will run settings for a group other than Default, remember to use the **/G=** parameter to specify the LANSD group to use.



# **LANSD** Implementing Software Distribution

## See Also:

[Steps to Implement Workstation Virus Monitoring](#)

[Steps to Implement Event Scheduling](#)



To implement software distribution, follow these steps:

1. From the LANSD [Network Console](#), highlight the group you wish to work with.
2. Select the **Deploy Update / Software** button.
3. Select the **Database** button from the [Software Selection](#) window.
4. From the [Software Database](#) window, add a software distribution title by choosing the **Add Title** button. This will access the [Software Setup Window](#). Fill in the required information and select the **OK** button to return to the [Software Database](#) window.
5. From the [Software Database](#) window, highlight the software title you wish to work with and select the **File List** button. This will place you in the [Setup Files Window](#), where you can Add software files to maintain. Configure the file list as desired and select the **OK** button.
6. Select the **OK** button from the [Software Database](#) window to return to the [Software Selection Window](#).
7. Highlight the software title just added and click on the **<< Add** button. Then select the **OK** button.
8. From the LANSD [Network Console](#), select the **Exit** button and save your changes.
9. Configure the network to run the **LANAGENT.EXE** program on each workstation that requires software distribution. If a workstation will run settings for a group other than Default, remember to use the **/G=** parameter to specify the LANSD group to use.

# Software Setup Window

## See Also:

[Steps to Implement Software Distribution](#)

The Software Setup Window allows you to define Distribution parameters for each Software Title. The [LANAGENT.EXE](#) program will implement these instructions to distribute the software.

Note: This screen allows you to define the framework for software distribution. Once the parameters have been defined, you must add files to the distribution list by selecting the **File List** button from the previous [Software Database](#) window.

**Software Title** - The name of the application being defined.

**Source Path** - The drive and directory of the application's master files. This usually points to a network path.

**Destination Path** - The drive and directory where the application's files will be maintained. This usually points to a workstation path. If this Path does not exist, it will automatically be created. The Directory button is available to browse among existing directories.

**Record update events in the log file** - Writes detailed deployment information to AGENT.LOG. Deployment errors are always written to AGENTERR.LOG.

**Default File Options** - Sets the default File Option when adding new files for this Software Title.

**Default Destination File Attributes** - Sets the default file attributes when adding new files for this Software Title.

**Last Updated** - Date when these options or the accompanying software file list was modified.

---

## Command Buttons

**Directory** - When editing the Source or Destination Path, the Directory button will allow you to browse the directory tree.

## Setup Files Window

### See Also:

[Steps to Implement Software Distribution](#)

The Setup Files window maintains a list of files associated with each Software Title. Update options and file attributes are also maintained for each file in the list. All files on this screen are found in the Source Directory defined in the Software Setup window.

**Files to Maintain** - Displays the list of files to be maintained for the selected Software Title.

**File Name** - The DOS name of a file to be maintained.

**Update if master copy is newer** - Updates a file in the Destination directory if it is older than that file in the Source directory.

**Update if master copy is different** - Updates a file in the Destination directory if it is different than that file in the Source directory.

**Delete if file found in destination** - Delete this file if it is found in the Destination directory.

**Destination File Attributes** - Sets the file attributes of the file in the Destination directory to the selected values.



## Software Selection Window

### See Also:

[Steps to Implement Software Distribution](#)

The Software Selection Window allows you to select the Software Titles to maintain for each Network Group. It is accessed by selecting the **Deploy Update / Software** button from the main window. Software Titles in the list to the left will be maintained for the group. Remaining titles, if any, will be displayed in the list on the right. Highlight a title and select the Add or Remove buttons to move the title between the lists. Select the Database button to access the [Software Database](#).

**Software Titles Selected** - List of titles to be maintained for this group.

**Software Titles Remaining** - Titles which have not been selected for this group.

---

### Command Buttons

- << Add** - Adds a Software Title to the current group from the list of remaining Titles.
- Remove >>** - Removes a Software title from the current group and moves it back to the list of Titles remaining.
- Database** - Access the [Software Database](#), where Software Titles can be maintained.

## **LANSD** Directory Window

The Directory Window allows you to select the Source and Destination directories to be used for software distribution. It is available through the Browse button on the [Software Setup Window](#). Highlight the appropriate directory and select the OK button. If the directory is on a different drive, select that drive and then the directory.

# **LANSD** Virus Monitor Setup

## See Also:

[Steps to Implement Workstation Virus Monitoring](#)

The **VirusNet Pro / Monitor** button is displayed if LANSD detects VirusNet/Pro in its program directory. This option provides central installation and configuration of workstation virus monitoring. These settings are defined in this screen. When a workstation logs into the network, the LANAGENT.EXE program automatically configures, deploys, and maintains the VirusNet/Pro virus monitor locally on its hard disk.

## Loading the Virus Monitor

Load from Batch File - Place an X in this box if you want LANAGENT to automatically maintain the batch file where the workstation virus monitor will be run.

If the above choice is selected, the following options will be available.

After the Load from Batch File prompt, a text field is displayed. Type in the full path of the batch file where the Virus Monitor command will be inserted. For example, **C:\AUTOEXEC.BAT** will insert the Virus Monitor command into the workstations AUTOEXEC file. This will automatically run the Virus Monitor when the workstation is booted. If the batch file does not exist, it will be created automatically.

- Load into conventional memory** - Loads the Virus Monitor into low DOS memory.
- Load using disk swapping** - Loads the Virus Monitor using its /DISK option. This requires no upper memory, but will reduce conventional memory overhead significantly.
- Load into upper memory** - On DOS 5.0 and higher systems, the LH command is used to load the Virus Monitor into upper memory. For systems with older versions of DOS, the Virus Monitor will be loaded into conventional memory.

## Virus Monitor Options

The Virus Monitor is configured by placing an X in front the appropriate options. These options are passed to the Virus Monitor as command-line parameters. They are automatically implemented when the Virus Monitor is loaded by the workstation from the batch file defined above. The following options are available:

- Check files when they are copied/run** - The /COPY command-line switch is implemented. As program files are run or copied, they will be checked on-the-fly for viruses. If this feature is not selected, program files will still be checked for viruses before they are run. They will not be checked, however, when they are copied.
- Check boot sectors when a diskette is accessed** - The /BOOT command-line switch is implemented. When a diskette is first accessed, it will be automatically scanned for boot track viruses.
- Check a diskette in A: during Ctrl-Alt-Del** - The /WARM command-line switch is implemented. This protects against getting a boot track virus from a diskette left in the A: drive

during a warm reboot.

**Freeze the computer if a virus is found**

- The /FREEZE command-line switch is implemented. If a virus is detected by one of the above checks, the computer will immediately be locked, preventing further harm to the system.

**Message to display if a virus is found**

- This message will be displayed to the user if a virus is detected. It can contain a Virus Help Desk contact. For example, **Virus Detected! Please Call John at Ext. 324.**

## **LANSD** File Window

The File Selection Window displays a list of files found in the Source Path of the Software Setup Window. Only files that were not already selected will be displayed. To select a file from this window, double click on its name, or highlight the name and select the OK button. To add all remaining files from this window, place an X in the Add all files check box. Then select the OK button.



Select this button to exit the LANSD Network Console. If any changes were made which were not already saved, the Exit Network Console window will be displayed. To save the changes, place an X in the Save changes before exiting prompt. Then select the OK button. To exit the program without saving any remaining changes, remove the X from the prompt and select the OK button. If you do not wish to exit the program, select the Cancel button.

# **LANSD** LANAGENT.EXE

## See Also:

- [Steps to Implement Workstation Virus Monitoring](#)
- [Steps to Implement Event Scheduling](#)
- [Steps to Implement Software Distribution](#)

The LANAGENT program implements the anti-virus, scheduling, and software distribution settings defined by the [Network Console](#). It reads the configuration defined on the network and performs the required action for each workstation. LANAGENT must be run from the directory where the other LANSD support files are located. It uses files in its program directory to administer the workstation.

LANAGENT is usually run from the network Login Script each time a workstation logs into the network. If no login script exists for your network, run LANAGENT from a batch file that loads the network drivers. This will ensure that workstations are maintained during network login.

Syntax: **LANAGENT [optional switches]**

Note: If LANAGENT is run from the Netware Login Script, it must be run with its full pathname. For example, **F:\LANSD\LANAGENT**. If it is run without the full pathname, it may not be able to find the directory where its definition files are located.

## Optional Switches

- /RUN** Any events that are scheduled to run will be run now.
- /G=GROUP** Specifies a group other than the Default group. **GROUP** is the name given to a particular network group. This name is defined in the [Group Edit Window](#). For simplicity, this name should match the name of an existing network group.
- /S=SNAME** Sets the workstation name to **SNAME** when writing to the log file
- /E=ENVVAR** Gets the workstation name from environment variable **ENVVAR**. If this parameter is not used, the default variable **STATION** is used.
- /Q** Quiet switch (No screen output)
- /T** Pauses 60 seconds after any errors and then continues without user intervention

## Examples:

### **LANAGENT**

Uses Default group settings to update the Anti-virus and Scheduler settings. Maintains Software Titles defined for the Default Group. The Scheduler is not run but its workstation settings are updated.

### **LANAGENT /S=DAVE1**

Same as above but sets the workstation name to DAVE1 in the Event Log.

### **LANAGENT /E=STATION**

Similar to the above example, but gets the workstation name from the value of the **STATION** environment variable.

### **LANAGENT /T**

Similar to the first example, but pauses for errors for only 60 seconds before continuing. This is ideal for unattended workstations used for dial-in.

**LANAGENT /RUN**

Similar to the first example, but also runs any scheduled events.

**LANAGENT /G=CAD**

Similar to the first example, but settings for the CAD group are used.

**LANAGENT /RUN /G=CAD**

Same as above but also runs the Scheduler.

