SOPHOS



enterprise manager

EM Library Startup guide



Version 1.1

About this guide

This guide tells you how to protect your entire network from viruses by using Sophos EM Library.

It tells you how to

- install EM Library
- set up automatic downloading of Sophos software
- install Sophos Anti-Virus (if you are a new customer) on Windows, Mac, NetWare, Unix and Linux computers
- monitor downloading
- configure downloading
- uninstall EM Library.

More information

This guide describes the initial installation and use of EM Library.

- For information about using EM Library on large networks, and about all configuration options, see the *EM Library user manual*.
- Most Sophos documentation is published on the Sophos CD each month.

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About EM Library

What is EM Library?

Sophos EM Library enables you to set up automatic updating of Sophos software (applications, tools, virus identities) from a Sophos website.

Which types of computers can EM Library keep updated?

EM Library can maintain Sophos Anti-Virus on

- Windows NT/2000/XP/2003
- Windows 95/98/Me
- NetWare
- Mac OS X and OS8/9
- Unix and Linux.

How does EM Library work?

EM Library consists of

- a **console** used to administer the library (see below).
- a **library** to which you download software and from which you deploy it.

Once you have set up a library, it

- connects at set times to a databank, a Sophos website where the latest versions of Sophos software are available
- downloads the latest versions of the software packages to which the administrator has subscribed
- places the updated software in central installation directories (CIDs) in a form suitable for installation on client computers.

The clients update automatically from the CIDs, provided the Sophos software installed on them has been configured to do so.



How EM Library updates your network

Upgrading to EM Library

How do I upgrade from Enterprise Manager 1.01/1.02 to EM Library?

If you installed Enterprise Manager on a single computer, install EM Library 1.1 straight onto that computer. EM Library replaces the old library and uses the settings you specified for it.

If you have "child" libraries, or manage more than one library from a console, you should follow these guidelines:

- Start by updating the lowest-level "child" libraries and work upwards (as your old libraries cannot update from new libraries created by EM Library).
- Libraries created with EM Library must be managed by consoles created by EM Library. Likewise, libraries created by Enterprise Manager must be managed by consoles created by Enterprise Manager.

For more information, see the *EM Library release notes*.

How do I use EM Library on networks where Sophos Anti-Virus has already been installed manually?

EM Library can manage and update your existing installations.

If you have default central installations of Sophos Anti-Virus for Windows, EM Library will find them and use them automatically (as long as they are on the same computer).

If you have non-default central installations for Windows computers, or if you want to keep NetWare, Mac or Unix computers updated, you have to configure EM Library to take over your existing installations. The instructions for setting up EM Library tell you how to do this.

Using EM Library on large networks

How can I manage large networks more efficiently?

This guide describes the use of a single library. If you have a large network, you can use additional central installations or libraries. See the *EM Library User manual*, sections 15 to 22.

How can I use EM Library to help with software evaluation?

You may want to evaluate each version of Sophos Anti-Virus as it becomes available and then decide whether to update your entire network. EM Library enables you to do this by using "fixed version" software for your main network and "latest version" software for the test network. See the *EM Library User manual*, sections 23 to 25.

Installing EM Library

1 Preparing for installation

1.1 About installation

To set up EM Library, you

- install the console
- create a library
- configure the library to download software automatically
- select the software you want to download
- select the directories to which the software will be downloaded (this step is optional)
- pre-configure the software (this step is optional)
- download the software for the first time.

If you have not installed Sophos Anti-Virus on your network before, you must then make a first-time installation. This guide leads you through that process too.

1.2 System requirements

The computer where you install EM Library console needs to be running

- Windows NT 4 (Service Pack 6a), Windows 2000, Windows XP or Windows 2003
- Microsoft Management Console (MMC) version 1.2 or higher
- Internet Explorer 5 or higher.
- 20 MB free disk space for installation. Additional space is needed for the data held in libraries and central installations.

The computer on which the library is installed (the instructions in this guide assume it is the same computer) must be running these services:

- Server
- Workstation
- Remote Procedure Call (RPC)
- Task Scheduler (only if you put the library on a different computer from the console).

You can check the status of these services via **Control Panel|Services** (Windows NT), or **Control Panel|Administrative Tools|Services** (Windows 2000). They must be configured to start automatically. If the Task Scheduler is not shown, a later version of Internet Explorer may need to be installed (e.g. version 6)

If you use a dial-up connection to the internet, change your internet options before installation, as described in the appendices of the *EM Library user manual*.

If you access the internet via a proxy server, you should be using one of the following authentication protocols: Anonymous, Basic or NT Challenge/Response (NTLM).

1.3 The user accounts and groups you need

To use EM Library, you must have:

- An account that gives access to the Sophos web server. The username and password are supplied to you by Sophos.
- An account that EM Library uses. The setup program offers to create a local account for you. However, if you want to use EM Library to update CIDs on remote computers, you must specify a network account.

You may also need the following accounts.

- Accounts or groups that are authorised to use the library. Sophos recommends that you create a new domain group for these users.
- The proxy server account (if you access the internet via a proxy).

If you have not installed Sophos Anti-Virus before, you will also need

 A network account used to update Sophos Anti-Virus automatically on Windows NT/2000/XP workstations. (See Appendix 1)

1.4 Further steps if you already use Sophos Anti-Virus

If you already have Sophos Anti-Virus on your network, do as follows.

- Check and note down the location of your Sophos Anti-Virus central installation directories (CIDs) or, in the case of Sophos Anti-Virus for NetWare, the folder where updates are placed.
- Delete any virus identity files (IDEs) in your CIDs.
- If you have previously been updating Sophos Anti-Virus from CD, rather than using Enterprise Manager, remove any previous installation of the SAVAdmin administration tool (see details below). EM Library will install a new copy of SAVAdmin.

To remove SAVAdmin, delete the SAVAdmin folder, located by default at

C:\Program Files\Sophos\SAVAdmin\Ver 2.20

You will not lose your SAVAdmin configuration information (for example, SAVAdmin computer groups that you have set up).

2 Installing EM Library

To install EM Library, you

- install the console (section 2.1)
- create a library (section 2.2).

If you are upgrading from Enterprise Manager, you do not see all the dialog boxes shown below, and you do not have to reinstall or update your local library.

2.1 Install the console

- The console is an MMC snap-in that enables you to administer an EM software library.
- 1. Log on as an Administrator at a Windows NT/2000/XP/2003 computer.

If you have already downloaded the EM Library files from the Sophos website, unzip them, double-click **Setup.exe** and go to step 5.

- 2. Insert the Sophos CD in the CD drive. The CD should auto-run. If auto-run is disabled, run D:\Launchcd (where D: is the CD drive).
- 3. In the Sophos CD window, click EM Library.
- 4. At the next screen, start the setup program. The installation wizard is started.
- 5. In the Sophos EM Library Console InstallShield Wizard dialog box, click Next.



6. In the **License Agreement** dialog box, read the agreement. If you accept the agreement, click **Yes** to continue.

🕞 Sophos EM Library Console - InstallShield Wizard	×		
License Agreement Please read the following license agreement carefully.			
SOPHOS END-USER LICENCE AGREEMENT			
Please read carefully the following legally binding End-User Licence Agreement between Sophos and You for the Software defined below. By clicking the accept button, breaking the seal on the software package or installing, copying or otherwise using this Software You agree to be bound by the terms of this End-User Licence Agreement. If You do not agree with the terms of this End-User Licence Agreement, click the button that indicates that you do not agree to the terms of this End-User Licence Agreement and do not install the Software. If You do not agree to the terms of this End-User Licence			
C I accept the terms in the license agreement I do not accept the terms in the license agreement			
InstallshieldCan	cel		

7. In the **Setup Type** dialog box, select **Typical** for a standard installation. Click **Next**.

If you want to install the console in a non-default location, select **Custom** instead. You will then see a custom setup dialog box in which you can choose the location.



8. In the Ready to Install the Program dialog box, click Next.



9. The progress of installation is displayed. Wait for installation to be completed.

🙀 Sophos E	M Library Console - InstallShield Wizard	
Installing The prog	Sophos EM Library Console ram features you selected are being installed.	
1]	Please wait while the InstallShield Wizard installs Sophos EM Library Console. This may take several minutes.	
	Status:	
	Copying new files	
TestallChield		
u isvaiisi iielu —	< <u>B</u> ack Mext >	Cancel

10. In the **InstallShield Wizard Completed** message box, ensure that **Launch the program** is selected. Then click **Finish**.



11.A progress bar is displayed. Wait for the console to be launched.

12. The console is displayed as a snap-in within MMC 1.2.

The left-hand pane displays the **console tree**, which you use to access the library (or libraries). The right-hand pane is the **details** pane. This pane displays details of the item highlighted in the console tree.

You are now ready to create a library (section 2.2).

If you are upgrading from Enterprise Manager, you do not have to reinstall your local library. However, if you now want to use EM Library to manage Sophos Anti-Virus for Mac, NetWare, Unix or Linux, you should read section 3 and then section 5 (or section 11, if you manage Unix or Linux).



2.2 Create a library

? The library is a central location to which you download Sophos software.

- 1. In the console, in the details pane, click **Create library**.
- 2. In the **Setup EM Library (Welcome)** dialog box, **Local Installation** is selected by default. Click **Next**.
- If you want to install a library on a remote computer, select **Remote** Installation and follow the instructions. For details, see the *EM Library* User manual, section 22.2.

Setup - EM Library (Welcome)		×
	Welcome to the Sophos EM LIbrary Setup Program. Choose the type of installation and click Next to begin.	
J.K.o	 Local Installation Remote Installation 	
< <u>B</u>	ack Next > Cancel	

3. In the **Location** dialog box, you specify where the library is installed. In the **Install Location** text box, accept the default folder, or type an alternative folder (as a local path). In the **Library Share Name** text box, accept the default share name for that folder, or type an alternative. Click **Next**.

Setup - EM Library (Location)	×
Location Enter the install location	
Enter the local directory you want the files to be installed to.	
Install Location:	
C:\Program Files\Sophos Enterprise Manager\	
Library Share Name:	
SophosEM	
< <u>B</u> ack <u>N</u> ext > Cancel	

- 4. In the **Install Files** dialog box, click **Install** to begin installing the library. A progress bar is displayed.
- **You can not interrupt installation. If you click Cancel, the wizard is closed, but installation continues.**

Setup - EM Library (Network)	×
Install Files Progress of installation	
Pressing 'Install' will initiate the installation.	
Pressing the 'Close' button will only close the wizard. The installation will still be continued in the background.	
Setup Progress:	
< Back Install C	lose

5. When installation is complete, a SETUP message box is displayed. Click **OK**. This starts a wizard that guides you through setting up an account that EM Library can use (section 2.3).

SETUP	×
	Installation completed succesfully.
	OK

2.3 Selecting an EM Library account

Now you select the EM Library account.

1. In the Welcome to the Network Account Configuration Wizard dialog box, click Next.



2. In the **Select network account type** dialog box, select the option that best suits your needs.

If you have a single library and all the CIDs are on the same computer, click **Create a new local account**. EM Library will create an account called EMLibUser1. This is a member of "Administrators" and a new group called "EM Library users".

If you intend to have multiple libraries,or remote CIDs, click Select an existing account. Enter the details of a domain account with domain Administrator rights. (For details of how to create an account, see Appendix 1.)

Click Next.

etwork Account Configuration W	/izard	×
Select network account type Select an account that is most	appropriate	
Select an existing account		
ALBI\Hammond		Browse
C Create a new local account		
An account with the name EML for this account on the next pag	ibUser will be created. You will be able to er ie.	nter the password
	< Back Next >	Cancel
	. Educ Howy	

3. In the **Enter account password** dialog box, enter and confirm a password. Click **Next**.

twork Account Configu	ation Wizard	×
Enter account password Carefully enter and retype your account password		•
Enter and confirm the pas	word for the account your have selected:	
Selected <u>u</u> sername:	ALBI\Hammond	
<u>P</u> assword:	*****	
<u>C</u> onfirm password:	*****	
This information will re the Windows operatin	nain confidential and will be held securely by system.	
	< <u>B</u> ack <u>N</u> ext	> Cancel

4. In the **Completing the Network Account Configuration Wizard** dialog box, click **Finish**.



Next you set up EM Library messaging so that you can receive error messages or warnings when you configure the library (section 3).

3 Setting up messaging

By default, EM Library places details of all its activity in the system Event Log. You can also set up email or network messaging, so that you are alerted to any problems.

- 1. In the console, on the **Tools** menu, select **Options**.
- 2. In the EM Library options dialog box, click the Notifications tab.

In the drop-down menu, select the form of message you want to receive (e.g. email, desktop). Then deselect **Disable alerts for this notification method**.

Select **EM Library activity** and then select all the options. This ensures you receive information about any problems during installation.

• Later, you can change these settings if you want to receive fewer messages.

If you are setting up email messaging, click **Configure** and continue to step 3. Otherwise go straight to section 4 to set up automatic downloading of software.

EM Library options	×
Console options Security Notifications	
Notification method:	
Email	
Disable alerts for this notification method	
EM Library activity	
When you select "EM Library activity" error notifications are sent automatically. You may also include notifications for the following:	
✓ Warnings	
Completed actions	
☐ <u>V</u> erbose mode for troubleshooting	
Messages from Sophos	
Downloaded IDEs and packages	
<u>C</u> onfigure	
OK Cancel Apply	

3. In the **Email Settings** dialog box, enter an email address in the **"From"** address text box. Any undelivered email will be returned to this address. In the **Recipients** text box, enter an email address to which you want messages sent and click **Add**. In the **SMTP server** text box, enter details of your SMTP server. Then click **Test**. EM LIbrary will send a test message to each recipient.

Click **OK** to return to the **Notifications** tabbed page. Then click **OK** again.

"Erom" address	
administrator@sophos.com	
Recipients	
 eml_admin@sophos.com	Add
eml_admin@sophos.com	Remove
SMTP server	Test
	Lest
smtp.sophos.com	

Now you set up automatic downloading of software (section 4).

4 Setting up automatic downloading

Now you configure the library to download and update software automatically.

4.1 Select Parent

? The parent is the location from which you download software.

1. In the console, in the details pane, the **Configuration** view is displayed. Click **Select Parent**.

🚡 Sophos Enterprise Manager - [Console Root\EM Library (CALDARA\SophosEM)]			
Console Window Help) 🗅 😅 🖬 💷 💷 🗵	
Action View Eavorites Library	Iools ← → 🗈 🗊 😭 🕼 😫 👼 ≒		
Tree Favorites Console Root ⊕- ⑥ EM Library (CA\Sophos	Configuration Configuration Cick here to select the "parent" for your I which packages and updates are downlo	ibrary. The parent is the location from aded.	
	Schedule Downloads Click here to set the download schedules	for your library.	
	Select Packages Click here to select software packages.	selected pack area	
	Download Packages Llick here to start the downloading or the Other Start SAVAdmin Click here to administer deployments to in computers.	selected packages. dividual workstations and groups of	
	Notifications	×	
No scheduled updates		Editing	

2. In the **Primary parent** tabbed page, select the parent from which you will download software. For this initial setup, ensure that **Website** is selected. Select **http://databank.sophos.com/databank**. Click **Set access**.



3. In the Web server access settings dialog box, select Use an account to access the server. Enter the User name and Password that Sophos has given you for use with EM Library. Both are case sensitive.

If you do *not* access the internet through a proxy server, click **OK** and go straight to step 5.

If you do access the internet through a proxy server, select **Use a proxy server** and enter the server's address and port number. If you need to enter credentials to use the proxy, click **Advanced** and go to step 4. Otherwise, go straight to step 5.

_	
$\mathbf{\cap}$	

If you access the internet via a dial-up connection, make sure you have changed your internet connection settings as described in the *EM Library User manual*

Web server access se	ttings	×
Access account detai	ls	
✓ Use an account	to access the server	
U <u>s</u> er name:	username	
Password:	*****	
Confirm password:	******	
Proxy server		
Use a pro <u>x</u> y serv	er	
Add <u>r</u> ess:		
Por <u>t</u> :	<u>A</u> dvanced	
	<u> </u>	

4. If you clicked Advanced, the Advanced Proxy server settings dialog box is displayed. Ensure Authenticate on the Proxy server is selected. Enter the User Name for the proxy server (available from your network administrator). Enter and confirm the Password. Click OK to return to the Web server access settings dialog box. Click OK to return to the Primary parent tabbed page and then click OK again.

A	dvanced Proxy ser	ver settings	×
	- Proxy server authen	tication	
	Authenticate or	the Proxy server	
	<u>U</u> ser Name:	user	
	Password:	******	
	<u>C</u> onfirm password:	******	
		<u> </u>	

5. EM Library attempts to validate your account details. If it cannot (e.g. because the details are incorrect, or because no network connection has been made), it prompts you to make changes and try again.

When the account details are validated, the primary parent is displayed in the **Configuration** view.

Next you schedule downloads from the parent (section 4.2).

4.2 Schedule downloads

You must schedule downloads. EM Library will then download:

- New virus identities, which give protection against new viruses automatically at the times you specify.
- Full product updates automatically at one of the times you specify. The release of these updates is staggered, but you always receive the update before it is available on the Sophos CD.

You can also carry out manual downloads (see section 16) or script automatic updates from another program (see Appendix 3 in the *EM Library user manual*).

1. In the **Configuration** view, click **Schedule Downloads**.

	- Configuration	
	coniguration	
	Select Parent	Click here to select the "parent" for your library. The parent is the location from which packages and updates are downloaded.
		Parent website is http://databank.sophos.com/databank.
	Schedule Downloads	Click here to set the download schedules for your library.
U.		
Ô	Select Packages	Click here to select software packages.

2. In the **Update schedules** tabbed page, click **New schedule**.

EM Library (CALDARA\SophosEM) Properties	×
Update schedules	
The library will be updated according to the selected schedules	
Edit schedule New s	chedule Apply

3. In the Welcome to the Schedule Wizard dialog box, click Next.



4. In the Schedule Name and Description dialog box, enter a Name and Description for the schedule. Click Next.

Schedule Wizard				×
Schedule Name Enter a name	e and Description and description for the new sched	ule		G p
Enter the nar	ne and description for the new sche	dule:		
Name:	Download schedule			
Description:	Schedule for downloading from da	atabank		
		< <u>B</u> ack	<u>N</u> ext >	Cancel

- 5. In the next dialog box, you specify when the task will run. By default, hourly updates are already set up. To change this, select the **Days of week** when the task will run. Then, in the **Hour** browser, select an hour and click **Add**. Repeat for each time when you want the scheduled task to run. To remove a time, highlight the time in the right-hand window and click **Remove**. Click **Next**.
- The task will run during each hour that you selected (e.g. if you selected 9, the task will run at a random time between 09:00 and 09:59).

Schedule Wizard	×
Enter the days and times at which updates will occur. Updates take place at a randon time during the hour you specify, e.g. enter 9 for updating between 9:00 and 9:59. Days of week Sun Mon Hour 9 09:00 09:00 Days Local Add Emove Sat Days Local Add Emove Days Local Add Emove Days Local Add Days Local Add Emove Days Local Add Days Days Days	,
< <u>B</u> ack Next> Ca	incel

6. In the **Completing the Schedule Wizard** dialog box, check that the details of the schedule are correct. Click **Finish**.



7. In the **Update schedules** tabbed page, the new schedule is now displayed in the list. Ensure that the checkbox beside it is ticked so that the update will be run at the set time(s). Click **OK**.

EM Library (CALDAR\SophosEM) Properties	×
Update schedules	
The library will be updated according to the selected schedules	
Edit.schedule	
OK Cancel Apply	

You can activate only one schedule (by ticking its checkbox) at a time.

You have configured EM Library to download updated software from the parent at set times. Next select the software you want EM Library to download and update (section 4.3).

4.3 Select packages

- Packages are Sophos products or files (e.g. Sophos Anti-Virus, virus identities and administration tools) in a form suitable for downloading.
- 1. In the **Configuration** view, click **Select/View Packages**.
- 2. A progress bar is displayed.

Fetching list from the parent		
•	Downloading files from parent	

- If an error is reported, EM Library has either failed to read a file from the databank or to write a file to the library or to a CID. It may be using an account with insufficient rights, or your firewall may be blocking .DAT or .DB files. Look in the message log (section 14) to find out what the problem is.
- 3. In the **Packages** dialog box, the available software packages are displayed. If no packages are displayed, check your connection to the Sophos databank.

By default, Sophos Anti-Virus for Windows packages are shown. To see Sophos Anti-Virus packages for other platforms, deselect **Show default packages only**.

To subscribe to packages, i.e. to ensure that they will be downloaded and updated in future, select the check box(es) beside the packages. Click **OK**.

Packages	×
Packages	
-	
Select the packages you want to use.	
Packages	Version
Sophos Anti-Virus for Windows NT/2000/XP	Latest (3.71t)
Sophos Anti-Virus for Windows 95/98/Me	Latest (3.71t)
Sophos Anti-Virus for Macintosh	Latest (3.71t)
Sophos Anti-Virus for SAV for Linux (Intel,libc6)	Latest (3.71t)
Sophos Anti-Virus for SAV for Solaris (Intel)	Latest (3.71t)
Sophos Anti-Virus for SAV for Solaris (SPARC)	Latest (3.71t)
To see package details, double-click on a package, or select	a package and click "Properties".
Show default packages only	
Show most recent packages only	Properties
	OK Cancel Apply

You have finished configuring the library to update software automatically. Next download the software packages for the first time manually (section 5).

5 Selecting directories for downloads

When EM Library downloads software, it places it in central installation directories (CIDs) on the same computer as the library, from which it is distributed across your network.

You should change the default directories if

- you already have CIDs in non-default locations
- you want to set up CIDs in non-default locations
- you want to use non-Windows versions of Sophos Anti-Virus.

If none of these apply to you, go straight to section 6.

5.1 Selecting the right directory for your operating system(s)

This section gives you advice on the type of directory you should use. The next section tells you how to change a CID.

5.1.1 Windows

You do not need to change the Sophos Anti-Virus for Windows NT/2000/XP and 95/98/Me CIDs unless you want to use a non-default directory.

5.1.2 Macintosh

You must place the Sophos Anti-Virus for Mac CID on a Windows 2000 server that has an AppleShare compatible network share, and you must set read permission to "everyone" on that network share.

If you do not do this, EM Library cannot create the appropriate resource and data forks on the CID. The files will be stored in archived "bin" format, which the Macintosh workstations cannot use.

5.1.3 NetWare

You must ensure that EM Library places Sophos Anti-Virus for NetWare updates directly into the updates folder on the NetWare server. By default, this folder is SYS:/SWEEP/NLMINST. It is visible to the EM Library computer as \\server\SWEEP\NLMINST. The NetWare servers will check for updates placed here, every 5 minutes.

Sophos strongly recommends the use of Novell-supplied NetWare clients on Windows computers, rather than the Microsoft NetWare clients.

5.1.4 Unix

You must ensure that EM Library places the Sophos Anti-Virus for Unix installation files in a Windows file store that can be read by Unix (e.g. a Samba share). You must also run a script on your Unix client computers to check for updates in that file store. A script is supplied by Sophos. See section 11.

5.2 Changing a central installation directory

To configure EM Library to use a non-default CID, do as follows.

EM Library cannot create shares on other computers. If you are going to configure EM Library to use a CID on a *remote* computer, ensure a CID is already present on that computer, or create a new share there first.

1. In the console tree, click **Central Installations**.



2. The default CIDs created by EM Library are displayed. Right-click on the CID you want to change and select **Properties**.

Location	Package		
	Update CID Update CID (Checksum all files) Cut Copy Delete	est (3.72pyr) test (3.71t) (Intel,libc6): L s (SPARC): La 2000/XP: Late 8/Me: Latest	
	Properties		
	Help		
•		Þ	

3. In the **Properties** dialog box, click the **Location** tab. Select **Custom CID location** and enter the full path of the shared folder. Click **OK**.



4. If necessary, click the **Credentials** tab and enter the credentials EM Library needs to access the CID, as described below. When you have finished, click **Test** to check that the account can access the CID. Then continue to step 5.

١	LΕ	X\InterChk\	NWinst Properties			x
	G	eneral Sche	dule Package Location Integrity Cher	cking	Credentials	- _
	Individual CID credentials					
		<u>U</u> sername:	cn=kit.ou=support.o=testnet.c=uk supp		<u>N</u> DS details	
		<u>P</u> assword:	****		<u>T</u> est	
)elete	

To specify a Windows domain or local computer account

Enter

domain\account or

computer\account

To specify a NetWare NDS account

Click NDS details. In the NDS Information dialog box, enter the tree name and fully distinguished names for the user and server in the format

```
cn=user.o=organisation
```



If you are uncertain what to enter, run the NetWare "NWADMIN" utility supplied with the NetWare Windows client.

Then click **OK** to return to the **Credentials** page.

NDS Information	x			
NDS account details				
User name (full NDS context):				
cn=kit.ou=support.o=testnet.c=uk				
Iree name (tree name only):				
support				
Server name (full NDS context):				
cn=netws1.o=testnet.c=uk				
OK Cancel				
5. In the details pane, check that the new CID location is displayed.

You have specified the CID(s) to which the software will be downloaded.

You can set certain configuration options for the software *before* you download it. These options apply to Windows computers only and include the frequency with which workstations will be updated.

If you want to pre-configure the software, continue to section 6.

If you do not want to pre-configure the software, you are ready to download software for the first time. Go to section 7.

6 Pre-configuring software

You can specify how, and how frequently, Windows workstations will update themselves from the central directory (the default setting is non-interactive updating every sixty minutes).

- 1. In the EM Library console, in the console tree, double-click **EM Library**. Double-click **Packages** and then click **Subscribed**.
- A subscribed package is one (selected by you during installation or thereafter) that EM Library will download and update automatically.



2. In the list of subscribed packages shown in the details pane, highlight the item you want and right-click. In the menu, select **Create Customised Copy**.



3. In the **Package customisation wizard** dialog box, click **Next**. The wizard guides you through the steps you need to take (for details, see the *EM Library User manual*). When you have finished, you must continue to step 4 to put the customised software in a central installation directory.



4. In the list of subscribed packages, check that the customised package is displayed in the list. Right-click on the customised package. On the menu that is displayed, click **Add/Configure CID**.



5. EM Library detects that the package is a customised copy of another package that already has a central installation directory (CID). In the message box, click **Yes** so that the customised copy can use the CID instead.



 Repeat steps 1 to 5 for each Windows package that you want to configure. Next you download the software files for the first time (section 7).

7 Downloading software

Now download Sophos software and place it in a central installation directory or directories, as follows.

- 1. In the Configuration view, click Download Packages.
- 2. In the **EM Library** message box, click **Yes**.

EM Library
EM Library will download the packages to which you have subscribed.
This procedure may take some time.
Do you want to perform this procedure now?
<u>Yes</u> <u>N</u> o

3. The **Updating packages from the parent** progress bar is displayed.

Updatii	ng packages from the parent	×
•	Downloading files from parent	

4. When downloading is complete, the **Updating your central installations** progress bar is displayed.

You have finished setting up EM Library.

If you have not already installed Sophos Anti-Virus on your network, continue to the next part of this guide (sections 8 onwards).

If you have already installed Sophos Anti-Virus on Unix computers, you must reinstall it to use the new auto-updating technology. See section 11.

If you have already installed Sophos Anti-Virus and have no Unix computers, your entire network will be updated automatically from now on.

Installing Sophos Anti-Virus

Installing Sophos Anti-Virus on Windows Installing Sophos Anti-Virus on Mac Installing Sophos Anti-Virus on NetWare Installing Sophos Anti-Virus on Unix or Linux

8 Installing Sophos Anti-Virus on Windows

If you have not previously installed Sophos Anti-Virus from central installations (CIDs) to your workstations and servers, you do so now. You perform this procedure only once. Thereafter, Sophos Anti-Virus is updated automatically. This section describes how to

- Install Sophos Anti-Virus on Windows NT/2000/XP/2003 computers (section 8.1)
- Install Sophos Anti-Virus on Windows 95/98/Me computers (section 8.2).

Before you start, ensure you have a network account (with the right to log on as a service) that the updating service can use. For details of how to create a suitable account, see Appendix 1.

8.1 Install Sophos Anti-Virus on Windows NT/2000/XP/2003

You install Sophos Anti-Virus on Windows NT/2000 computers using the SAVAdmin administration tool, which you can start from EM Library.

1. In the EM Library console, click on the library name to display the **Configuration** view. Then click the **Start SAVAdmin** button.

Alternatively, on the Library menu, click Start SAVAdmin.

2. In the **SAVAdmin** console, in the tree in the left-hand pane, click **Network Neighborhood**. Then click **Entire Network**. Under **Microsoft Windows Network**, locate the domain or group where you are going to install Sophos Anti-Virus. Highlight all the computers, or hold down the 'Ctrl' key and select the computers on which you want to make an installation, and right-click to display a menu. In the menu, select **Install SAV**.

🗐 SA¥Admin						_ [
<u>File E</u> dit <u>V</u> iew <u>⊂</u> omputer <u>H</u> elp							
	Key: 🖳 🗸 SAV Installed	🗏 🗸 🗸 SAV Ad	ctive 🕂 U	pdating 🔿	Signal update	? Update faile	ed 🚦
🖃 📲 Network Neighborhood 📃	Computer	OS	OS Ver	Access	SAV Installed	SAV Active	
E SAVAdmin Network View	Acor	2000	5.0	Full			
Entire Network	📃 Admin	2000	5.0	Full			
⊡	📕 Akos	2000	5.0	Full			
E Die husthan	🗐 🗐 Ala	98	4.10	Full			
	🗐 Alp	2000	5.0	Full			
Gudsowiii	📃 Aph .	2000	5.0	Full			
	🗐 🗐 Apo	2000	5.0	Full			
	🔜 Ban	2000	5.0	Full			_
	💻 Bar	98	4.10	Full			
	📕 Bau	2000	5.0	Full			
🗉 🚠 Nieder-olm	🔜 Bean	NT	4.0	Full			
🕀 🚠 Raffles	😑 Beat	95	4.0	None			
🗐 🕀 🚠 Shock 🚽	🗐 Beaver	2000	5.0	Full			
🗄 🚠 Tengu	🗐 Behe	2000	5.0	Full			
🗄 🕀 🚠 Unix	📙 Mendelssohn	2000	5.0	None			
🕂 🕀 Versailles	Marcury	2000-Sarvar	5.0	None			_ _ _
							<u>-</u>
269 total	Fi	ter active: All co	mputers				11.

3. In the **Task settings: Install SAV** dialog box, the **Common** tabbed page is open by default. Enter a **Task name**. Select **Permanent** to ensure that task details are preserved even if SAVAdmin is restarted. Then click the **CID list** tab.

Task settings: Install S	AV .					X
Install paths Common	Configu Targets	arations	Dptions	Accoun	t details CID list	
<u>T</u> ask name:						Ì
Task01					-	
Output <u>f</u> ilename						
%TempDir%\Task01.ld	g				≤	
Command to perform <u>b</u> e	fore the task exe	cution				
					<	
Command to perform <u>a</u> f	ter the task exect	ution				-
					< <u>.</u>	
Permanent Apply to all <u>s</u> ubg	oups	Crea	ate retry ta	sk after ex	ecution	
	Create	Cancel		pply		

4. In the CID list tabbed page, highlight SAV NT/2000. Click Change.

Task settings: Install 9	5AV		x
Install paths Common	Configura Targets	itions	Account details CID list
For each product affect be used for installation/	ed by this task speci updating. Use UNC I	fy the central insta folder names, not	allation directory that will mapped network drives.
Product	Central Installation	Directory	
SAV NT/2000	<n a=""></n>		
SAV NT(axp)	<n a=""></n>		
			 Change
	Create	Cancel	<u>s</u> pply

5. In the **Select CID** dialog box, **Registered** is selected by default. A "registered" CID is a shared directory which contains CIDs for multiple products and is administered via the CID list in SAVAdmin.

In the drop-down menu, select the computer holding the central installation directory (CID) for Sophos Anti-Virus for Windows NT/2000/XP/2003. By default, this is the computer where the library is located. In the **Full path** text box, check that the correct CID path is shown (if you accepted the default settings when creating the library, the path is

[computername]\InterChk\NTInst\i386). Click **OK**. You are returned to the **CID list** tabbed page.

Select CID			×
Product			
SAV for Wi	ndows NT/2000		
Scope-			
	<u> <u> R</u>egistered </u>	C Custom	
REX			•
Full path			
\\REX\Inte	erChk\NTInst\i386		
	<u>O</u> K	<u>C</u> ancel	

6. In the **Task settings: Install SAV** dialog box, click the **Account details** tab. Enter details of an account (with "Log on as a service" rights) that will be used by the auto-update service. If you have not already created an account, see Appendix 1 for details of how to do so. Click **Create**.

sk settings: I	Install SA	۷				
Common Install pa	aths	Targets	Dpti ations	ons A) (Account o	CID list details
Enter an acc	ount name O Targe O Curre WALES	and password for et c <u>o</u> mputer doma nt login domain	the auto-up <u>o</u> in OI O(jrade serv Farget cor D <u>i</u> her	rice (NT/ mputer <u>n</u> a	2000) ame
User name Password: Confirm password:	SWEEP	UPD				
		Create	Cancel	<u>A</u> pp!	y	

7. In the SAVAdmin message box, click Yes to install Sophos Anti-Virus.



8. To check progress, at the **SAVAdmin** console, open the **File** menu and select **Task list**. The install task you have created is displayed. In the **Status** column, check that the task is **Running** or **Completed**. The results of the task are displayed in a **Task Summary** window.

If the task is not completed successfully, click **Edit** to check the account details and the CID selected, and then click **Start** to run the task again.

To close the task list, click **Done**.

Ŀ	Task list					×
	Show only task	s of this type: 📃 🗔 Sł	no <u>w</u> only tasks rela	ating to this com	puter, domain or <u>c</u>	group:
	Report	_				
	Task name	Task type	Status	Target co	Scheduled jo	
	Task01	Install SAV	Inactive	1		
			. I		- 1	
	<u>A</u> dd <u>E</u> d	t <u>D</u> elete <u>S</u> chedi	ile Stjart	Log hie	<u>-</u> urge	Done

9. In the **SAVAdmin** console, check the **SAV Installed**, **SAV Active** and **SAV Version** columns in the right-hand pane. You should see that Sophos Anti-Virus has been installed. In the **File** menu, select **Exit**.

🗑 SA¥Admin							×
<u>File E</u> dit <u>V</u> iew <u>C</u> omputer <u>H</u> elp							
	Key: 🖳 🗸 SAV Installed	🖳 🗸 🖌 SAV Ad	tive 🕂 U	pdating 🕤	r Signal update	? Update faile	d 🚦
🖃 📲 Network Neighborhood 📃	Computer	OS	OS Ver	Access	SAV Installed	SAV Active	
E SAVAdmin Network View	🗐 Acor	2000	5.0	Full			
Entire Network	📃 Admin	2000	5.0	Full			
⊡	🗐 Akos	2000	5.0	Full			
H International Head Pie husthan	🔜 🗸 🖌 Ala	98	4.10	Full	Installed	Active	
	🗐 Alp	2000	5.0	Full			
Gudsowin	📃 Aph .	2000	5.0	Full			
	🗐 🗐 Apo	2000	5.0	Full			
	🔜 Ban	2000	5.0	Full			
	💻 🗸 🗸 Bar	98	4.10	Full	Installed	Active	
H A Mordor	📕 Bau	2000	5.0	Full			
🗄 🚠 Nieder-olm	📇 🗸 🖌 Bean	NT	4.0	Full	Installed	Active	
🕀 🚠 Raffles	🔜 🗸 🖌 Beat	95	4.0	None	Installed	Active	
📄 🚊 Shock 🚽	📕 Beaver	2000	5.0	Full			
🗄 🚠 Tengu	🗐 Behe	2000	5.0	Full			
🗄 🕀 🔂 Unix	📙 Mendelssohn	2000	5.0	None			_
🕀 🕀 Versailles	Marcury	2000-Sarvar	5.0	None			Ľ
							<u> </u>
269 total	Fi	ter active: All co	mputers				

When EM Library updates the central installation directory, Windows NT/2000/XP/2003 computers will update from it automatically within an hour.

Sophos recommends that you set up a shortcut to the SAVAdmin program, so that you can use it to monitor your Sophos Anti-Virus installations in future. SAVAdmin is located in the EM Library folder, at

C:\Program Files\Sophos Enterprise Manager\console\bin\Savadmin.exe

For more information on using SAVAdmin, see the SAVAdmin user manual.

If you have Windows 95/98/Me computers on your network, install Sophos Anti-Virus on them now (section 9.2).

8.2 Install Sophos Anti-Virus on Windows 95/98/Me

You install Sophos Anti-Virus on Windows 95/98/Me computers by using a login script (for instructions on creating a login script, see Appendix 2).

The same login script should be used to run the SAVAgent utility, which enables you to use the SAVAdmin administration tool to monitor Sophos Anti-Virus installations on Windows 95/98/Me computers.

Add the following lines to the computers' login script:

```
\\<servername>\Interchk\W95Inst\setup -inl -a
start /wait \\[servername]\SophosEM\bin\Savagent.exe -update -poll=3600
```

where

- [servername] is the computer where you created the library
- Interchk is the share where the central installations were placed
- SophosEM is the location of the library.

This script installs Sophos Anti-Virus on each computer when it is restarted, and configures it to check for Sophos Anti-Virus updates every sixty minutes.

9 Installing Sophos Anti-Virus on Mac

To install Sophos Anti-Virus on networked Mac computers for the first time, do as follows.

At each workstation, ensure that

- the workstation is free of viruses (see the Mac on a network installation guide for Mac OS X or Mac OS 8/9)
- System Preferences is closed (Mac OS X)
- the file server holding the CID is mounted on the desktop.

To install Sophos Anti-Virus:

- 1. Open the directory where EM Library placed the central installation. By default, this is the **macinst** subfolder in the **Sophos Anti-Virus** folder on the server.
- 2. Double-click the Sophos Anti-Virus Installer icon.



- 3. In the **Sophos Anti-Virus Installer** dialog box, click **Install** to install Sophos Anti-Virus on the workstation at the default destination shown.
- 4. When prompted, enter your administrator account details (Mac OS X) or restart the computer (Mac OS 8/9).

The computer now checks for updates automatically when it is turned on (Mac OS 8/9), or when the Sophos Anti-Virus console is opened (Mac OS X).

10 Installing Sophos Anti-Virus on NetWare

EM Library can keep Sophos Anti-Virus updated on NetWare servers, but cannot be used for first-time installation. To install Sophos Anti-Virus on a NetWare server for the first time, you must

- copy the Sophos Anti-Virus files from the Sophos CD or website (section 10.1)
- load Sophos Anti-Virus for NetWare for the first time (section 10.2)
- set up auto-updating (section 10.3).

10.1 Install Sophos Anti-Virus

You install Sophos Anti-Virus on the server *from a Windows workstation*. We recommend that you ensure the workstation is virus-free before you start.

1. At the workstation, log on to the server with write access rights equivalent to ADMIN.

If you have already downloaded and unzipped the Sophos Anti-Virus for NetWare files from the Sophos website, go to step 4.

- 2. Insert the Sophos CD in the CD drive. The CD should auto-run. If auto-run is disabled, run D:\Launchcd (where D: is the CD drive).
- 3. In the **Sophos CD** window, click **Sophos Anti-Virus**. At the next screen, click **NetWare** and then click **How to install or update Sophos Anti-Virus**. Scroll down the page if necessary and click **NETWARE**.
- 4. Select all the files. Right-click the selection to display a menu. Select **Copy**.
- 5. In **My Network Places** (Windows Me/2000/XP) or **Network Neighborhood** (Windows 95/98/NT), select the server and locate the SYS volume. Click the SYSTEM directory. On the **Edit** menu, click **Paste**.

The Sophos Anti-Virus for NetWare files are copied to the directory.

You have installed Sophos Anti-Virus. Now load Sophos Anti-Virus for the first time (section 10.2).

10.2 Load Sophos Anti-Virus for the first time

1. At the server console, or using RCONSOLE from a workstation, type

LOAD SWEEP

- 2. The first time you load Sophos Anti-Virus, it prompts you to enter Administrator details. Press any key.
- 3. At the login prompt, type an Administrator username and the name of **your** Organization, and press Return. Sophos Anti-Virus will log in as this user every time it is started, enabling it to see the complete NDS tree.



4. Type the Administrator password and press Return.



5. If a message about suborgunits is displayed, press Return.

The **Sophos Anti-Virus** screen is displayed.

\\Nov51\SYS\PUBLIC\RCONSOLE	.EXE
Sophos Anti-Virus	
Main menu	InterCheck: Inactive Real-time: Inactive
Immediate mode Scheduled mode InterCheck	Last file: At: User:
▼ Configuration file	Files SWEPT: 0 Viruses detected: 0
Server Current job:	Next job: <daily> 21:00 Today</daily>
Files SWEPT: 0	Viruses detected: 0
Last virus Name: File:	Action:
<f1> for help <esc> to qu</esc></f1>	it. 10:57 on Tuesday 02 July 2002

You have loaded Sophos Anti-Virus.We recommend that you add the command LOAD SWEEP to the AUTOEXEC.NCF file, so that Sophos Anti-Virus will be restarted if the server is rebooted.

Next set up auto-updating (section 10.3).

10.3 Set up auto-updating

You can configure the installation of Sophos Anti-Virus on the server so that it will update automatically as soon as EM Library places an updated version of the Sophos Anti-Virus for NetWare files on the server.

1. In the **Sophos Anti-Virus** screen, on the **Main** menu, scroll down, select **Administration** and press Return to display the **Administration** menu.



2. On the **Administration** menu, scroll down, select **Auto-updating** and press Return to display the **Auto-updating** screen.



3. Press Return. Set **Status** to **Active** and press Return. Press 'Esc' twice to return to the **Main** menu.

From now on, Sophos Anti-Virus for NetWare will be updated automatically by EM Library.

11 Installing Sophos Anti-Virus on Unix or Linux

To install Sophos Anti-Virus on Unix or Linux computers for the first time, or to reinstall it, do as follows.

1. Go to the root of the directory where EM Library has placed the Sophos Anti-Virus files (the "CID"). Then copy the file eminstall.sh into an executable path location such as /etc. on each Unix client.

From now on, this location is shown as <path>

2. Enter

cd <path>

3. To change the permissions, enter

chmod +x eminstall.sh

- 4. Create a file called /etc/eminstall.conf
- 5. Add the following lines to it:

```
EM install CID=<install_cid>
EM cache dir=<tmp_path>
SAV install dir=<install_path>
```

where

<install cid> is the location of the CID.

<tmp path> is the location of the cache where a copy of the installation files is placed when performing an update.

<install path> is the root location where Sophos Anti-Virus is going to be installed, or has previously been installed.



The files in <tmp path> must not be deleted as this will cause them to be downloaded again. For this reason, you are recommended not to place the files in the /tmp directory.

• For the latest information about Unix/Linux installation and configuration, see the eminstall.txt file in the central installation directory.

6. Run

```
eminstall.sh
```

Whether you are an existing user or a new user, you must now create a cron job to run eminstall periodically. This will check for new virus updates and product upgrades, and install them automatically.

Using EM Library

12 Opening the console

You open the EM Library console as follows.

- Sophos recommends that you keep the console closed unless using it. Doing so saves bandwidth. You still receive alerts via email or network messaging (see section 3).
- 1. In the Windows taskbar, select **Start|Programs|Sophos Enterprise Manager|Sophos EM Library Console**.
- 2. The console is opened. In the Details pane, the last details you viewed are displayed (if you saved your settings the last time you closed the console).

The sections that follow tell you how to

- check last and next download times (section 13)
- monitor EM Library activity via the message log (section 14)
- change the library settings (section 15)
- download updates manually (section 16).

13 Checking last and next download details

In the EM Library console, you can check when EM Library last downloaded updates, and when it will next do so.

1. In the console tree (left-hand pane), click EM Library.



2. In the Details (right-hand) pane, the **Configuration** view is displayed.

Last successful download details are displayed beside the **Download** Packages button.

Next update time is displayed in the status bar (bottom left-hand side). This is always displayed (unless you are using the Message log).



14 Monitoring EM Library via the message log

To check whether a procedure has been carried out, look in the message log.

1. In the EM Library console, in the console tree, click **Message Log**.



2. The messages are displayed in the details pane.

You can change the types of message (warning, error or information) displayed, as described in section 3. Errors usually require you to take action.

Severity	Time	Description
🔥 Warning	18/09/2003 11:22:09	The "\\EX\SophosEM" library deploy task has succeeded, but there
(1) Information	18/09/2003 11:21:27	Package "Sophos Anti-Virus for Windows NT/2000/XP (Latest 3.71t)" 💳
(1) Information	18/09/2003 11:21:27	The "\\EX\SophosEM" library update task has succeeded.
(1) Information	18/09/2003 11:21:25	Notifications for Sophos Anti-Virus for Windows NT/2000/XP:
(1) Information	18/09/2003 11:12:29	The "\\EX\SophosEM" library update task has succeeded.
(1) Information	18/09/2003 11:12:28	Global notifications:
(1) Information	18/09/2003 11:07:20	The "\\EX\SophosEM" library update task has succeeded.
(1) Information	18/09/2003 10:33:58	The "\\EX\SophosEM" library deploy task has succeeded.
(1) Information	18/09/2003 10:33:58	The "\\EX\SophosEM" library update task has succeeded, no files h 🥊
Ĩ	• •	· ··· · · · · · · · · · · · · · · · ·

To export the messages to a text file, click the **Export** icon in the toolbar.



To see full details of any message, highlight it and right-click. In the menu that is displayed, select **Properties**.



• The messages are stored in the Application log in the system's Event logs. You can view them via the computer's administration tools if you want to.

15 Changing the library settings

You can change the options you set when you configured EM Library. You can do this via the **Configuration** view or the **Properties** pages.



• The **Properties** pages enable you to configure some extra settings, e.g. how EM Library checks the integrity of files in the library.

15.1 Change settings via the Configuration view

- 1. In the console tree, click on **EM Library**.
- 2. In the details pane, the EM Library **Configuration** view is displayed. The current settings are displayed. Click any button to edit them.
- If you click **Select Packages**, a list of all available packages, including any that you have customised, is displayed (rather than the initial package selection dialog seen in section 4.3).

- Configuration	
conliguration	
Select Parent	Click here to select the "parent" for your library. The parent is the location from which packages and updates are downloaded.
	Parent website is http://databank.sophos.com/databank.
Schedule Downloads	Click here to set the download schedules for your library.
	You have configured scheduled downloads.
Select Packages	Click here to select software packages. You are using 2 packages.
Download Packages	Click here to start the downloading of the selected packages. 18/09/2003 12:07:55 last successful download
Start SAVAdmin	Click here to administer deployments to individual workstations and groups of computers.

15.2 Change settings via the properties pages

- 1. In the console tree, right-click **EM Library** and select **Properties**.
- 2. A set of tabbed pages is displayed. Click a tab, e.g. **Update schedules**, to edit that setting. For full details of all the options, see the EM Library User manual.

M Library (EX\SophosEM) Properties					
Update schedules	Integrity Checking	Credentials			
General Primary parent Secondary parent					
EM Library					
The Enterprise Manager console is currently managing the following library:					
\\EX\SophosEM			1		

16 Downloading updates manually

EM Library automatically downloads the latest updates for subscribed software packages from the parent at times you have already specified.

You can perform these downloads manually. See the instructions below.



You can also script downloads from other applications. See Appendix 1 in the EM Library user manual.

1. In the console, on the **Library** menu, click **Download Packages**.

Alternatively, in the **Configuration** view, click **Download Packages**.



2. In the **EM Library** message box, click **Yes**.



3. The **Updating packages from the parent** progress bar is displayed. You can close this message box without interrupting downloading, and can then make changes on any other libraries managed from this console.



When downloading is complete, the last successful download date and time shown in the **Configuration** view will change.

Uninstallation

17 Uninstalling EM Library

To uninstall EM Library, you uninstall:

- the library (or libraries)
- the console(s).

Before you begin uninstallation, close the EM Library console and SAVAdmin if necessary.

- You cannot uninstall a library remotely. You must do so at the computer where the library was installed.
- 1. Go to the computer where you installed the library. On the **Start** menu, select **Settings|Control Panel**. Then double-click **Add/Remove Programs**.
- 2. Select Sophos EM Library and click Add/Remove.

🔚 Add/Remov	e Programs		<u> </u>
	Currently installed programs:	Sort by: Name	•
Change or	🚸 Microsoft Office 97, Professional Edition	Size	77.3MB 🔺
Remove Programs	🛃 Microsoft Project 2000 SR-1	Size	61.8MB
	🔣 Microsoft Visio Professional 2002 [English]	Size	156MB
<u>.</u>	🌏 MSDN Library - January 2001	Size	110MB
Add New	🁹 Nero - Burning Rom	Size	28.4MB
Programs	😵 Rational Rose Professional C++ Edition	Size	209MB
2010 C	🛃 Sophos EM Library	Size	5.83MB
~~ ~~	🛃 Sophos EM Library Console	Size	13.1MB
Add/Remove Windows	🔅 Sophos Remote Update	Size	32.4MB
Components	🕞 StarGate Runtime 5.1.1		
s24	🐙 StarTeam 4.0	Size	28.1MB
1	🎆 Tiny Personal Firewall 2.0.15	Size	888KB
Set Program	🛃 Windows 2000 Hotfix - KB823559		
Access and Defaults	🛃 Windows 2000 Hotfix - KB823980		
	🛃 Windows 2000 Hotfix - KB824146		
	🛃 Windows 2000 Service Pack 4		
	🗐 WinZip	Size	2.07MB 🖵

- 3. In the Windows Installer message box, click Yes.
- 4. A progress bar is displayed.
- 5. Repeat steps 1 to 4 for the **Sophos EM Console**.

Appendices

Creating a network account

Creating a logon script

Appendix 1: Creating a network account

To keep your network updated, you need

- An account used to update Sophos Anti-Virus automatically on Windows NT/2000/XP/2003 computers. This account needs the right to log on a service. If you have Sophos Anti-Virus on the network, you may already have created this account.
- An account that EM Library uses. During library installation, the setup program offers to create a local account for you. If you use EM Library to manage CIDs on a remote computer, or if you use multiple libraries that access each other via UNC, you need to use a network account instead. This account needs the right to log on as a batch job.

This appendix describes how to create suitable network accounts on a Windows 2000 computer.

The procedure is slightly different if you using another version of WIndows. For instructions on how to create the account(s) on Windows NT or Windows 2003, see the *EM Library user manual*.

- 1. In the Windows taskbar, select Start|Settings|Control Panel.
- 2. In the Control Panel window, double-click on Administrative Tools.



3. In the Administrative Tools window, double-click Active Directory Users and Computers.



4. In the **Active Directory Users and Computers** window, click on the **Users** folder to open it. Right-click on the folder name. In the menu that is displayed, select **New** and then **User**.

The second secon					
Console Window Help					
Action View	← → 🗈		🖻 🕼 🗟 🔡	🦉 🖉 👛 💎 🍕	ā 🗇
Tree		Users	47 objects		
Active Directo	ory Users and Compu	Name		Туре	Description 🔺
📄 🗊 xmas.test	tqa.sophos	🖸 🖸 Admir	histrator	User	Built-in account for admin
📄 🚊 💼 Builtin	1	🕵 Cert I	Publishers	Security Group	Enterprise certification ar
🗄 🕀 💼 Comp	uters	M DHCF	Administrators	Security Group	Members who have admir
🗄 🧭 Dom	Delegate Control.		Users	Security Group	Members who have view-
+ Fore	Find		lmins	Security Group	DNS Administrators Group
All Tasks			IdateProxv	Security Group	DNS clients who are perm
		•	Computer	Security Group	Designated administrator:
		•	Contact	Security Group	All workstations and serve
	View	•	Group	Security Group	All domain controllers in th
	New Window from Her	Hara	Printer	Security Group	All domain guests
			User	Security Group	All domain users
Refresh			Shared Folder	Security Group	Designated administrator:
	Export List		Policy Creator Owners	Security Group	Members in this group car
Properties				User	Built-in account for guest
	Help				

5. In the **New Object - User** dialog box, in the **Full name** field, enter a descriptive name ("EM Library" for the EM Library account or "Sweep Update Account" for the Sophos Anti-Virus update account). In the **User logon name** field, enter a name ("EM Lib" or "SAVUPD"). Click **Next**.

New Object - User	×
Create in: xmas.	testqa.sophos/Users
<u>F</u> irst name:	Initials:
Last name:	
Full n <u>a</u> me: EM Lib	rary
User logon name:	
EMLib	@xmas.testga.sophos
User logon name (pre- <u>W</u> indow	vs 2000):
XMAS\	EMLib
	< Back <u>N</u> ext > Cancel

6. In the next dialog box, enter and confirm a password. Deselect **User must** change password at next logon. Select **User cannot change password** and **Password never expires**. Click **Next**.

New Object - User	×
Create in: xmas.testga.sophos/User	\$
Password:	
Confirm password:	
User must change password at next logon	
User cannot change password	
Password never expires	
Account is disabled	
< <u>B</u> ack	<u>N</u> ext > Cancel

7. In the next dialog box, check the account details. Click Finish.



8. In the **Active Directory Users and Computers** window, the new account is now displayed in the list of users.

If you are creating an EM Library network account, right-click the account name and select **Properties.**

If you are creating an update account for Sophos Anti-Virus, close the window, return to the Administrative Tools window and go straight to step 11.

	left for the second second second co	mputers		
Action ¥iew ← → ♠ ★ ♠ ♠ ↓ ♠ ↓ ♠ ↓ <t< td=""><td>] 🎻 ⊆onsole 🛛 <u>W</u>indow <u>H</u>elp</td><td></td><td></td><td>_ B ×</td></t<>] 🎻 ⊆onsole 🛛 <u>W</u> indow <u>H</u> elp			_ B ×
Tree Users 48 objects ✓ Active Directory Users and Compt Name Type ✓ Description ✓ Active Directory Users and Compt EnterpriseManager Copy Add members to a group Disable Account Ø Domain Controllers Ø Domain Controllers Ø Domain Controllers Copp inters Open home page Computers Ø Domain Guests Ø Domain Guests Ø Domain Users All Tasks øignated administrator Ø Domain Controllers Ø Domain Guests Ø Domain Users All Tasks øignated administrator Ø DHCP Lysers Ø DHCP Users Ø Description Ø Description Ø Description Ø Disable Account Ø Description Ø Description Ø Description Ø Description Ø Description Ø Domain Controllers Ø Domain Controllers in th Ø Description Ø Description Ø Description Ø Description Ø Description Ø Description Ø Description Ø Description Ø Description Ø Description Ø Description Ø Description Ø Description Ø Description Ø Description Ø Description Ø Description <thø description<="" th=""></thø>		💽 🗆 🖆 🖾	😫] 🦉 🖉 🕍 💎 🍕	ā 🐌
✓ Active Directory Users and Complex xmas.testqa.sophos Name Type ✓ Description ✓ Xmas.testqa.sophos ✓ EnterpriseManager ✓ Description ✓ Computers ✓ Cert Publishers ✓ Add members to a group VS clients who are perm ✓ Opmain Controllers ✓ Domain Computers ✓ Domain Computers ✓ ✓ Domain Controllers ✓ Ø Domain Computers Ø Domain Computers Ø Domain Controllers Ø Domain Controllers in til domain guests Ø domain controllers in til domain users Ø Domain Users Ø Domain Users All Tasks ✓ embers who have administrator Ø Delete Schema Adminis Ø Delete embers who have administrator embers who have administrator Ø DHCP Users Ø DnsAdmins Properties NS Administrators Group	Tree	Users 48 objects		
 xmas.testqa.sophos xmas.testqa.sopho	Active Directory Users and Compl	Name	Type 🗸	Description
	Wmas.testqa.sophos Wmas.testqa.sophos With Gomputers Omputers Optimic Controllers Optimic Controllers Users	EnterpriseManager Cert Publishers DonsUpdateProxy Domain Admins Domain Computers Domain Computers Domain Guests Domain Guests Domain Guests Enterprise Admins Group Policy Creato Schema Admins DHCP Administrator DHCP Users DnsAdmins	Copy Add members to a group Disable Account Reset Password Move Open home page Send mail All Tasks Delete Rename Refresh Properties	terprise certification ar US clients who are perm signated administrator workstations and serv domain controllers in tl domain guests domain users signated administrator smbers in this group car asignated administrator smbers who have admir smbers who have view- VS Administrators Group ~
		•	Help	

9. In the **[Account name] Properties** dialog box, in the **Member of** tabbed page, click **Add**.

EM Library Properties
Remote control Terminal Services Profile General Address Account Profile Telephones Organization Member Of Dial-in Environment Sessions Image: Sessions
Member of:
Name Active Directory Folder
Add <u>R</u> emove
Primary group: Domain Users
Set Primary Group There is no need to change Primary group unless you have Macintosh clients or POSIX-compliant applications.
OK Cancel Apply

10. In the **Select Groups** dialog box, highlight **Administrators**. Click **Add**. Click **OK**. Then in the **[Account name] Properties** dialog box, click **OK**.

💥 Select Groups		? ×
Look in: 😡 xmas.testqa.sophos		v
Name	In Folder	
Administrators	xmas.testqa.sophos/Builtin	
🕵 Users	xmas.testga.sophos/Builtin	
🔣 💯 Guests	xmas.testga.sophos/Builtin	
🥵 Backup Operators	xmas.testga.sophos/Builtin	
🕵 Replicator	xmas.testqa.sophos/Builtin	
🕵 Server Operators	xmas.testqa.sophos/Builtin	_
Account Operators	xmas.testga.sophos/Builtin	<u> </u>
Add Chec <u>k</u> Names		
<u>Administrators</u>		
	ОК	Cancel

- 🗆 🗵 🗃 Administrative Tools <u>File Edit View Favorites Tools H</u>elp Address 🙍 Administrative Tools • *∂*Go ٠ . -23) Ofta Þ Þ "H Distributed File DNS Domain Domain Administrative System Controller S... Security Policy Tools **!! P** P Local Security Policy Network Monitor Shortcut Event Viewe Licensing al Securi: View and modify local security 5 5 19 policy, such as user rights and audit policies. J þ ÷ Telnet Server Modified: 07/02/2002 11:08 Performance Routing and Services Remote ... Administration • • 🖳 My Computer View and modify local security policy, such as user rights and 1.49 KB
- 11. In the **Administrative Tools** window, double-click **Local Security Policy**.

12. At the **Local Security Settings** window, click the **Local Policies** folder and then **User Rights Assignment**.

If you are creating an EM Library network account, highlight **Log on as a batch job.**

If you are creating an update account for Sophos Anti-Virus, highlight **Log on as a service**.

Then double-click.

🖞 Local Security Settings					
Action ⊻iew ← →	- 🗈 💽 🗙 🗟 😫				
Tree	Policy 🛆	Local Setting	Effective Setting		
Security Settings	BForce shutdown from a remote sy	Administrators	Server Operators,A		
🗄 📴 Account Policies	🕮 Generate security audits				
🚊 📴 Local Policies	🕮 Increase quotas	Administrators	Administrators		
🕀 🧰 Audit Policy	Big Increase scheduling priority	Administrators	Administrators		
🕀 🧰 User Rights Assigr	BC Load and unload device drivers	Administrators	Administrators		
🗄 🛄 Security Options	BC Lock pages in memory				
🗄 📄 Public Key Policies	🕮 Log on as a batch job				
🗄 🛃 IP Security Policies on	Log on as a service		*S-1-5-21-8542453		
	🕮 Log on locally	Guest,Users,Power	Print Operators, Ser		
	🕮 Manage auditing and security log	Administrators	Administrators		
	Bill Modify firmware environment values	Administrators	Administrators		
	Profile single process	Power Users, Admini	Administrators		
	BProfile system performance	Administrators	Administrators		
• •	Remove computer from docking st	Users,Power Users,	Administrators	-	

- <u>?</u>× Local Security Policy Setting Log on as a service Ś Local Policy Setting Effective Assigned To Policy Setting XMAS\Administrator \checkmark *S-1-5-21-854245398-113007714-106 0284298-500 \checkmark <u>A</u>dd. If domain-level policy settings are defined, they override local policy settings. ΟK Cancel
- 13. In the Local Security Policy Setting dialog box, click Add.

14. In the **Select Users or Groups** dialog box, select the new account. Click **Add**.

B Select Users or Groups		? X
Look in: 🗊 xmas.testqa.sophos		•
Name	In Folder	
🕵 EMLibrary (EMLib@xmas.testga.s	xmas.testga.sophos/Users	
💯 Domain Computers	xmas.testga.sophos/Users	
💯 Domain Controllers	xmas.testga.sophos/Users	
🕵 Schema Admins	xmas.testga.sophos/Users	
🕂 Enterprise Admins	xmas.testga.sophos/Users	
🕵 Cert Publishers	xmas.testga.sophos/Users	
🕵 Domain Admins	xmas.testga.sophos/Users	_
Add Check Names		
<< Type names separated by semicolons or choos	e from list >>	
	ŪK,	Cancel

15. In the **Local Security Policy Setting** dialog box, the new account is now displayed. Click **OK**. Close all windows.

Local Security Policy Setting		? ×
Log on as a service		
A <u>s</u> signed To	Local Policy Setting	Effective Policy Setting
XMAS\Administrator		\checkmark
*S-1-5-21-854245398-113007714- 0284298-500	106 🗖	\checkmark
XMAS\EMLib		
Add		
If domain-level policy settings are defi	ined, they override	local policy settings.
	OK	Cancel

Appendix 2 Creating a login script

Sophos recommends that you install Sophos Anti-Virus on Windows 95/98/Me computers automatically by using a login script. The login script can also be used to distribute the agent that enables you to monitor Windows 95/98/Me workstations with the Sophos administration tool, SAVAdmin.

This appendix describes how to create a login script.

The procedure depends on whether you create the login script at a Windows NT server or a Windows 2000 server.

Appendix 2.1 Creating a login script at a Windows NT server

1. At the file server, use Windows Explorer to find

C:\Winnt\system32\repl\import\scripts

- 2. In the File menu, select New and then Text Document.
- 3. Double-click the new document. The file opens in Notepad. Type

\\[servername]\Interchk\W95Inst\setup -inl -a start /wait \\[servername]\SophosEM\bin\Savagent.exe -update -poll=3600

where

- [servername] is the name of your Windows NT server
- Interchk is the share for the Sophos Anti-Virus central installations (CIDs)
- SophosEM is the share where you created the EM library.

In the File menu, select Save As.



- 4. In the **Save As** dialog box, in **File name**, type **login.bat**. In the **Save as type** browser, select **All Files**. Click **Save**. Exit from Notepad.
- 5. Close Explorer.

You now need to assign the login script.

- 1. In the Windows taskbar, select **Start|Programs|Administrative Tools** (Common)|User Manager for Domains.
- 2. Select the users for whom the script is to be run.
- 3. From the User menu, choose Properties.
- 4. In the User Properties dialog box, click Profile.

User Proper	ties					×
Users:	Jane Doe John Smith					OK Cancel <u>H</u> elp
Description:						
🔲 User <u>M</u> u	st Change Pas	sword at Nex	t Logon			
✓ Users Ca	annot Change	Password				
Passwor	ds Never Expi	e				
C Account	s Disa <u>b</u> led					
🔲 Account	s Loc <u>k</u> ed Out					
S <u>G</u> roups	₽ <u>r</u> ofile	⊗ H <u>o</u> urs	 Logon To	Account	Pjalin	

5. In the **User Environment Profile** dialog box, in the **Login Script Name** field, type **login.bat**. Click **OK**. Then click **OK** to exit the **User Properties** dialog box. Exit User Manager for Domains.

User Environment Profile	×
Users: Jane Doe John Smith	OK Cancel
User Profiles User Profile Path: Logon Script Name:	<u>H</u> elp
Home Directory	
Appendix 2.2 Creating a login script at a Windows 2000 server

- 1. At the server, in the taskbar select **Start|Programs|Accessories|Notepad**.
- 2. In Notepad, type

```
\\[servername]\InterChk\W95Inst\setup.exe -inl -a
\\[servername]\SophosEM\bin\Savagent.exe -update -poll=3600
```

where

- [servername] is the Windows 2000 server
- Interchk is the share for the Sophos Anti-Virus central installations (CIDs)
- SophosEM is the share where you created the EM library.

In the File menu, select Save.

🧟 le	ogin -	Notepad										_	
Eile	<u>E</u> dit	F <u>o</u> rmat	<u>H</u> elp										
\\s sta	serv	ername /wait	\Inte \\ser	rchk\ verna	w95Ins ne∖Sop	t∖set hosEM	p −inl \bin\s	–a Savage	ht.exe	-update	-poll	=3600	

3. In the Save As dialog box, browse for

C:\Winnt\SYSVOL\sysvol\[domain].com\scripts

where [domain] is your domain name.

In the **File name** field, enter **login.bat**. In the **Save as type** drop-down menu, select **All Files**. Click **Save**. Close Notepad.

Next you assign the login script to the users who will have Sophos Anti-Virus installed automatically.

- 1. In the Windows taskbar, click **Start|Settings|Control Panel**.
- 2. In the **Control Panel** window, double-click on **Administrative Tools**.
- 3. In the Administrative Tools window, double-click on Active Directory Users and Computers.

4. In the Active Directory Users and Computers window, double-click on the Users folder. Select the users for whom Sophos Anti-Virus is to be installed and right-click. In the menu that is displayed, select **Properties**.



5. In the **Sophos User Properties** dialog box, click the **Profile** tabbed page.

5	ophosUsei	r Proper	ties			<u>? ×</u>			
	Membe	er Of	Dial-in	Env	ironment	Sessions es Profile			
	Be	emote co	ntrol	T,	erminal Service				
	General	Addres	s Account	Profile	Telephones	Organization			
	£	Sopho	sUser						
	<u>F</u> irst name:		SophosUse	1	Initials:				
	Last name:								
	Di <u>s</u> play na	ame:	SophosUse	SophosUser					
	Description:								
	Offi <u>c</u> e:								

6. In the **Profile** tabbed page, in the **Logon script** field, enter **login.bat**. Click **Apply** and then **OK**. Close all windows.

SophosUser Properties	×
Member Of Dial-in Environment Sessions	ļ
Remote control Terminal Services Profile	ļ
General Address Account Profile Telephones Organization	ł
User profile	
Profile path:	
Logon script: login.bat	
Home folder	
	_
OK Cancel <u>Apply</u>	