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Installing Sysgem Enterprise Manager

for

an Evaluation of Sysgem File Synchronizer (SFiS)

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Use This Guide in conjunction with:

- 1. "SEM Quick Start Guide", and
- 2. "SEM Installation Guide".

Installing SEM on MS Windows & Linux

Download the Windows installation kit from the following location:

ftp://ftp.sysgem.com/public/Mike/File%20Sync/SYSGEMiWindowsNT_Build4353.exe

Run the installation program.

The following screenshots show the steps required for installing the kit. For an evaluation installation the default values can be used for most of prompts. Normally, the only prompt requiring a specific reply is shown in step 12.

Step 1. Installation password:

Password			
I his setup has been password protected		V	
Enter the password required to run this se Click Next to continue.	etup. Please note that p	asswords are case s	ensitive.
[
allShield			

Enter "Control Tower". This is two words, it is case sensitive and without the quotes.

Press Next >.

Step 2. Product name and build number

Sysgem Enterprise Manager - In	istallShield Wizard
	Sysgem Enterprise Manager v2.3 build 4353
	Created: Wednesday December 30, 2009 at 00:22
	By Sysgem AG, Switzerland.

Press Next >.

Step 3. License agreement

icense Agreement Please read the following license agreement carefully.	
 taxes or reimburse SYSGEM for payments it makes on behalf of Licensee. 10. WHOLE AGREEMENT. This Agreement is the complete and exclusive statement of the Agreement between us; and supersedes any proposed or prior agreement, oral or written, and any other communications between us relating to this specific granted license and the related obligations; and may be modified or supplemented only by a document signed by both parties to this Agreement. 11. SPECIAL TERMS. SYSGEM will deliver the Source Code of Products to you free of charge in case of bankruptcy, insolvency, or discontinuance of Product support. You agree that in such case you will only use the Source Code for yourself to provide you with adjustment and maintenance capabilities. 	*
 I accept the terms of the license agreement I go not accept the terms of the license agreement 	
< <u>B</u> ack Next > Cance	el

Read the license agreement; click "I accept the terms of the license agreement"

Press Next >.

Step 4. Installers name and company name

		Same of the
Please enter your informal	on.	
Please enter your name a	d the name of the company for whi	ch you work.
User Name:		
Company Name:		
stallShield		
oranomiora		

Enter you name and your company name.

Press Next >.

Step 5. Destination location

Choose I Select fo	Destination Location older where setup will install files.			24
	Install Sysgem Enterprise Manag C:\Program Files (x86)\Sysgem	er to:		Change
nstallShield -		< <u>B</u> ack	Next >	Cancel

Select the location of Sysgem root folder under which all SEM files will be placed.

Step 6. The name of the Sysgem program folder under "Start" – "Programs"

elect Program Folder	
riease select a program rolder.	
Setup will add program icons to the	Program Folder listed below. You may type a new folder
Program Folder:	
Sysgem	
Existing Folders:	
Accessories	·
Administrative Tools	
ASUS Utility	E
Autodesk	
Lase Software	
Maintenance	
Microsoft Office	•
101.111	
alishield	
	Z Back Next Cancel

Accept the default name of "Sysgem".

Press Next >.

Step 7. Select which SEM components to install

elect Features	A second second
Select the features setup will install.	
Select the features you want to install, and deseled	ct the features you do not want to install.
SEM Management Concole	Description
SEM Authorization Server	The SEM Management
SEM Agent for Windows	Console is the user interface for SEM displays and reports
SEM Proxy Server for Windows	
134.15 MB of space required on the C drive	
73224.45 MB of space available on the C drive	
illShield	
	Cancel

For an evaluation installation; use the first three options (as selected by default).

Step 8. The account under which the SEM agent will run

Agent fo Select th	r Windows A ne account user	c ount I for the 'Ag	gent for Wi	ndows' servi	ce.			
	Ocal System	tem	© <u>0</u> th	er (Below)				
	Account:							
	Password:							
	Confirm:							
		<u>C</u> reate	account if i	t does not e:	kist			
nstallShield ·								
				< <u>B</u> ac	k 🚺	Next >	Cance	el

For evaluation purposes; use the default of "Local System".

Press Next >.

Step 9. IP port number used by the SEM Authorization Server

Authorizati	on Server Port			24
Enter the :	SEM Authorization Server port n	umber, the default is i	7250.	
Port:	7250			
at all Chiefed				
istalioniela —				

For evaluation purposes; use the default of "7250".

Step 10. IP port number used by the SEM Agent

Agent for Windo	ws Port				
Enter the SEM Ag	gent for Windows por	t number, the defau	lt is 7251.		
Port: 725	1]
nstallShield					
		Rac	Nevts	Cancel	

For evaluation purposes; use the default of "7251".

Press Next >.

Step 11 Choose the type of security key scheme

Security Key Type Select the type of security keys to	use.	No.
Select the security key scheme to two types of security key supported	use for this Authorization Servi d by Sysgem Enterprise Manag	er. For more information on the ger, please see the user guide.
Security Keys		
(Free format text strings (case s same as those entered for othe	sensitive) which are unique for er software components of this	your network and must be the product on your network)
Installation Keys		
(Add an additional layer of sect Authorization Server before allo	urity by requiring an Installation owing other software compone	Key to be obtained from this nts to be installed and used)
🔘 Skip key configuration		
(Preserve existing key settings,	, or allow manual configuration	after installation.)
stallShield		
stanomora		
	< Back	Next > Cancel

For evaluation purposes; use the default of "Security Keys".

Step 12. Enter the Security Key

Security K	ву	
Enter the s	ecurity key, this value is mandatory.	
Key:	•••••	
Confirm:	••••••	
stallShield —		
	Kack Next > Cancel	

IMPORTANT - This is a case sensitive text phrase invented by the customer at installation time. All components (including SEM Agents on other platforms) must have the same key defined for the components to be able to interoperate.

Press Next >.

Step 13. Start the Installation

Ready to	Install the Pro	ogram			2		
The WIZ	aru is ready to beg	yin installation.					
Click Ins	tall to begin the ir	nstallation.					
If you wathe the wiza	ant to review or cl rd.	hange any of yo	our installation	n settings, c	lick Back. Cl	ick Cancel to e	exit
stalionieid -			_				
			1	Back	Install	Cancel	

Step 14. Copy system files and set up SEM



The procedure will appear to pause for one or two minutes, then start to install the files.

Press Next >.

Step 15. Complete the installation procedure

Sysgem Enterprise Manager - I	nstallShield Wizard
	InstallShield Wizard Complete Sysgem Enterprise Manager Setup is almost complete. Choose the options you want below. I would like to view the Quick Start file. I would like to launch Sysgem Enterprise Manager. Press Finish to complete Sysgem Enterprise Manager Setup.
	< <u>B</u> ack Finish Cancel

If you haven't already received a copy of the Quick Start Guide select the first option. Select the second option to automatically start the application, then press "Finish".



Step 16. Log into the "FileSync" account

Enter the username of: "FileSync" and enter a password of: "sysgem" (the password is all lower case and without the quotes).

Press "Logon".

Step 17. Register an evaluation license (valid for 30 days)

Please fill in all the fields b	elow to create a trial license.	
After SEM has finished init	tializing you can enter additional licen: wayr dietributor	se PAKs
SSUED BY STOLEM ACTO	your distributor.	
	Company:	
Cur Cur d	City:	
SYSGEM	Zip code:	
	Country:	

During the logon procedure a prompt window will be shown similar to the above. Enter the details of your company and click "Create". The 30 day trial period can be extended on request.

Step 18 Install the SEM Agent on one or more Linux servers

Copy the SEM Agent for Linux from the Sysgem download page:

http://www.sysgem.com/downloads.php

The required file is located by following the link under "SEM Agent for UNIX/Linux".

Read the Installation Guide that can be copied from the above download page under the heading of

"Product Guide" -> "SEM Installation Guide"

... or by following the link:

http://www.sysgem.com/uploaded_files/productguides/InstallationGuide.zip

IMPORTANT _ Take care that the "Security Key" that you enter when installing the SEM Agent is exactly the same as the one entered during the Windows installation.

Below is an extract from the Installation Guide as an example for installing on a UNIX/Linux system:

./setup SEM Agent for UNIX [8] Platform is SunOS [7] Data file is _kit.6 [6] Creating /kits/SEM_kit/tmp [5] Copying _kit.6 to /kits/SEM_kit/tmp [4] Changing to /kits/SEM_kit/tmp [3] Unpacking _kit.6 [2] Removing temporary files [1] Launching SEMInstaller Sysgem SEM Agent UNIX Installer Agent: Sysgem SEM Agent v2.1 build 2918 Target: SunOS Hostname ...: rose Processor ..: sun4m Step 1/6 - Checking Inventory Unpacking _data.0... Step 2/6 - Directory Enter the directory where the agent is to be installed. The recommended default is /opt/Sysgem/SEM Enter the directory [/opt/Sysgem/SEM] Step 3/6 - Port Number Enter the TCP/IP port number. The default is 7251. Enter the port number [7251]

Step 4/6 - Security Key This product uses a powerful security model to guard against attack. As part of the installation you MUST enter a security key. **** SECURITY - Installation Key - SECURITY. * ***** This product uses a powerful security model to guard against attack. If this is the first time that you have installed this agent on this host then you MUST enter a key. Starting with version 2.1 of Sysgem Enterprise Manager, keys can take two forms: [1] standard security keys - free format text strings (case sensitive) which are unique for your network and MUST be the same as that entered for other software components of this product on your network, and [2] an installation key - used by the agent to retrieve domain keys from the Authorization Server. For more information please read the user guide. Key Configuration: [1] Standard security key [2] Installation key [9] Skip key configuration Please select a key type from the above list [1] Enter the security key [] FortKnox Step 5/6 - Autostart If you want the agent to start when you boot this system then enter YES, otherwise NO. If you select NO then you must start the agent interactively each time you boot this system. Start the agent when the system boots? [Yes] Step 6/6 - Start Agent If you want to use the agent now then it must be started after the, installation is complete. If you do not start the agent now then you must start it by either rebooting the system (if you have selected this option) or by starting it interactively. Start the agent after the installation? [Yes] Confirmation Directory: /opt/Sysgem/SEM Port number 7251 Security key: **########** Autostart: Yes Start agent Yes Is this correct? [Yes] Start the installation now? [Yes]

```
Stopping Agent
  If the agent is running it will be stopped.
 Agent not found.
Creating Directory: /opt/Sysgem/SEM/library
  /opt... Exists
  /opt/Sysgem... Exists
  /opt/Sysgem/SEM... Exists
  /opt/Sysgem/SEM/library... Exists
Copying Files
Creating Directory: /usr/lib
 /usr... Exists
  /usr/lib... Exists
 SysgemSEMAgent...
 SysgemSEMAgent.cfg... Exists (not overwritten)
 SysgemSEMStart...
 SEMInstaller...
 ssm-accounts...
 ssm-blowfish...
 ssm-commander...
 ssm-perf...
 ssm-syslog...
 AddStartup...
 RemoveStartup...
 init.tcl...
 libstdc++.so.2.10.0... Exists (not overwritten)
Installing Security Key
 Installing SCSA Security Key
  _____
 Index ....: 0
 Value ....: ########
 File ....: /opt/Sysgem/SEM/Sun_security_key_0.arc
 Status ...: OK
 SCSA Security Keys
  _____
 Key 0 ...: Valid
Updating Autostart Tables
 Removing: /etc/rc3.d/S99Sysgem...
 Removing: /etc/init.d/SysgemSEMStart...
 Copying: /etc/init.d/SysgemSEMStart...
Linking: /etc/rc3.d/S99Sysgem...
Starting The Agent
                      TIME COMMAND
   PID USER
    434
           root
                      0:00 /opt/Sysgem/SEM/SysgemSEMAgent
Installation completed.
#
```

Step 19. Create a Source File by importing an example

Having logged into SEM using the "FileSync user account, start the "SFiS Source File Manager" window by double clicking on the item shown by arrow "1" below.

In the startup up window select the "Agents" icon (top left button in the startup window – shown by arrow "2") and double click on the "Local" agent (arrow "3").

The SFiS Source File Manager Window will then show two empty folders as in the next screenshot.

Make sure that the "Source Files" folder is selected and then use the right mouse key to bring up a menu option on the SFiS Source File Manager Window. Select the option:

"Import / Export"

"Load Example Source File"

"Load an Example Source File..."

Selection Create Selection Create Selection Create Selection Selection Selection Create Selection Selection Selection Create Selection Selection Selection Create Selection Selection Selection Selecti	File View Display Chart Layout	Options Managers Tools Favorites	Window Help			
Farontes Selection Deploys Selection Selection Indust Piles Selection Indust Piles Selection Selection Selection<	Selection	CEE Course Ella Managari (Ella Cu		Z.		×
View Source File Import Source File (from text) Import / Export Export Source File (to text) Ioad Example Source File Ioad Example Source File Import / Export Import Source File Import / Export Ioad Example Source File Import / Export Import Source File Import / Export Ioad Example Source File Import / Export Import Source File Import / Export Im	Selection Favorites Selection Displays SFIS File Synchronizer Pielp SFIS Source File Manager SFIS Source File Manager SFIS Audit Browser SFIS Audit Browser	SFIS Source File Manager (File Sy	Sync Source (Local)/UNIXISour Source File Last Modified Size (t	ce Files) ytes) Encrypted Locked Locked I boxed Create Edit Copy Rename Delete Synchronize Target Files - UNIX	By Lock Date	
				View Source File	Import Source File (from text) Export Source File (to text) Load Example Source File	
Filters	Filters					

Select at least one Linux Agent as in the example below:

Input	Besults
Load Example Source F	rile Data
ågent	Local
- gork	Loca
Source File Name	Example 1
File Type	Text
Example Agent 1	DemoLinux1
Target File (1st. Agent)	/tmp/FileSync/FileSync-Demo-B.txt
Evample Agent 2	
Target File (2nd. Agent)	/tmp/FileSync/FileSync-Demo-B.txt
Encryption Key	Second Second
Specify either one or two	UNIX Agents and the example target file to be created on ea
Directory	LIMPY Courses
Directory	UNIX_Source

... and press "Apply" to create the file.

Step 20. Explore the other options available

Explore the other options available on the Source File Manager window by pressing the right mouse key in the window and making a selection from the drop down list of options.

Step 21. Request a WebEx demonstration from Sysgem

Contact Sysgem (<u>support@sysgem.com</u>) for a demonstration of the features available using the installed application on your system and a WebEx conference to the Sysgem demonstration Centre.