

RemotEye ESXi Client Software Installation Guide



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Requirements

- 1. Compatible with ESXi 5.0/5.1/ 5.5/ 6
- 2. ESXi full or evaluation version (not compatible with free version)
- 3. vSphere Management Assistant (vMA)

Installation Procedure

1. Please confirm your license type. Only full or evaluation supports this function. You can check the license type from "Configuration > Licensed Features."







2. Download vMA from VMware website (the version of vMA must be same as ESXi). For example, if using "ESXi 5.5" download "vMA v5.5".

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vSphere Management Assistant for vSphere 5.5										
Supported Versions vsphere 6.0 vsphere 5.5 vsphere 5.1										
Overview										
The VMware vEphere Management Assistant (vMA) is a prepackaged Linux virtual machine in which administrators can dedicy scripts and select third-party agents to manage ESX and ESX systems. Solvers included in vMA										
Note: The Sphere Menogement Assistant build has been refreshed. Please download the newest released build										
Documentation										
Reinse Notes										
 stiphare Management Assaulant Guide (pdf <u>E</u>) 										
Tags: 5.5 doud										
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3. Unzip vMA and deploy to ESXi. If the environment has more than one ESXi server, vMA should be deployed to the last ESXi server, or you can deploy vMA in all ESXi servers.



4. Boot up vMA. It will ask you to configure the password while installing. NOTE: Default account is <vi-admin>



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	File	<u>E</u> dit Vi	e <u>w</u> I <u>n</u> v	ventory	<u>A</u> dm	inistrati	ion <u>P</u> h	ıg-ins	<u>H</u> elp													
	E			Home	⊳ ⊾	Inve	entory	Þ	Inve	entory												
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		10.1.: 10.: 10.1.: 10.:	in7	Manag	ement	Assist:	ant (vM	IA)	vSphe Gettir	re Mai	nagen ed s	n ent A s	ssistant y Reso local Passw	(vMA) ource Alle host	ocation P login: —	erfor	mance i-adm	<u>Events</u>	Con	nsole	Permis	sions

Use <sudo passwd> to change root's password. Then change to the root account by using <su root>



 Type <vifp addserver [server IP]> to add ESXi server to vMA (requires ESXi server root password). Then type <vifp listservers> to confirm if it was added. If you want to remove ESXi server, type command <vifp remove server[server IP]>.

```
localhost:/home # vifp addserver 10.1.1.200
root010.1.1.200's password:
localhost: # vifp addserver 10.1.5.205
root010.1.5.205's password: _____
localhost: # vifp listservers
10.1.1.200 ESXi
10.1.5.205 ESXi
```



 Uncompress the shutdown daemon to the folder you want by typing <tar xvf Sd_ESXi_HA_TSB_v090b3.tar>

localhost:/R4SD # ls
Sd_ESXi_HA_TSB_v090h3.tar
localhost:/R4SD # tar xvf Sd_ESXi_HA_TSB_v090b3.tar
Sd_ESXi_HA_TSB/
Sd_ESXi_HA_TSB/install.sh
Sd_ESXi_HA_TSB/oslist
Sd_ESXi_HA_TSB/uGuard.tar.gz
Sd_ESXi_HA_TSB/unins.sh
localhost:/R4SD # _

8. Type <./install.sh> to start install shutdown daemon and then input RemotEye IP address.

localhost:/R4SD/Sd_ESXi_HA_TSB # ls install.sh oslist uGuard.tar.gz unins.sh localhost:/R4SD/Sd_ESXi_HA_TSB # ./install.sh ********* OS TYPE:Linux OS NAME:SuSE ******** Input RemotEye IP Address:_



9. Finish the configuration settings, see below.

******* Input RemotEye IP Address:10.1.1.25 Input Client Name (Max 28 bytes & Only allow English, Number, - and _)(Default R oot): Warning Beep On?(Y/n) Shutdown delay time is 120 seconds?(Y/n)n Input shutdown delay time(0~65535):30 Estimate script file running time is 120 seconds?(Y/n) RemotEye Event Polling Rate is 10 seconds?(Y/n) Input shutdown script path: Shutdown Enable?(Y/n)_ ******* Input RemotEye IP Address:10.1.1.25 Input Client Name (Max 28 bytes & Only allow English, Number, - and _)(Default R oot): Warning Beep On?(Y/n) Shutdown delay time is 120 seconds?(Y/n)n Input shutdown delay time(0~65535):30 Estimate script file running time is 120 seconds?(Y/n) RemotEye Event Polling Rate is 10 seconds?(Y/n) Input shutdown script path: Shutdown Enable?(Y/n)y RemoteHostIP = 10.1.1.25ClientName = Root WarnBeep = 1 ;1 = TRUE(default): 0 = FALSE ShutdownDelayTime = 30ForceShutdownDelay = 120 PollingRate = 10ShutdownScript = ShutdownEnable = 1;1 = Enable(default); 0 = Disable Press any key to contiune.....



uGuard/script/sys/menu_control.sh uGuard/script/sys/menu ESXi config.sh uGuard/script/sys/menu_log.sh uGuard/script/sys/sendmsg.sh uGuard/script/sys/uginit.sh uGuard/script/sys/uginit_hpux.sh uGuard/script/sys/uGuard.conf uGuard/script/sys/uGuard.help uGuard/script/sys/uGuard_ESXiList.conf uGuard/script/sys/uGuard_shutdownorderList.conf uGuard/script/sys/ug_boot uGuard/script/sys/ug_killbg.sh uGuard/script/sys/ug_msg.sh uGuard/script/sys/ug run.sh uGuard/script/sys/ug_run_old.sh uGuard/script/sys/ug_Unload uGuard/script/sys/VERSION uGuard/script/uGuard.sh uGuard/script/usr/ /etc/uGuard/script/sys/uginit.sh Enter /etc/uGuard/script folder for running uGuard.sh

Execute shutdown client software now?(y/n) y_{-}



```
10. Setting ESXi server list
```

+======= 		[uGuard	Main	menu]	
uGuard	Version	: uGuard-0	.9.0.b3		•••••••••••••••••••••••••••••••••••••••
uGuard	Status	: Stopped			
1. uGuard	Configuration				
Z. uGuard	Control				
 uGuard uGuard 	Juan				
5 ESXi s	erver List Con	iguration			
A. Exit	61.V61 1136 00m	iguiación			
Please En	ter Your Choice	e =>5			
+======= 	[ESXi Conf	ig Grou	p Menu]
uGuard	Version	: uGuard-0	.9.0.b3		
uGuard	Status	: Stopped			
1. ESXi 1	setting				
Z. ESXi Z	setting				
3. ESXi 3	setting				
4. ESXi 4	setting				
5. ESXi 5	setting				
0. Return	to previous me	enu			
Please En	ter Your Choice	e =>1_			
+=======	=======================================		=======	=======	
1		E ESX	i 1 Conf	ig]	L
+======	=======================================	===============	=======	=======	+
1. ESXi 1	. IP Address	:10.1.1.20	0		
2. ESXi 1	Account	:root			
3. ESXi 1	Password	:*			
U. Keturn	to ESXi Config	g Group Men	u		
Please En	ter Your Choice	= =>_			

11. Select uGuard control and start the program

```
[ uGuard
                     Main menu ]
uGuard Version
              : uGuard-0.9.0.b3
 uGuard Status
              : Stopped
1. uGuard Configuration
2. uGuard Control
3. uGuard Status
4. uGuard Log
5. ESXi server List Configuration
0. Exit
Please Enter Your Choice =>2_
```





12. Check client list from "Protected Client" in RemotEye 4





13. Install VMware Tools to each client OS "Inventory > Virtual machine > Guest > Install/Upgrade VMware Tools".



14. NOTE: VMware Tools and vMA version should match with ESXi Server. We suggest you should install the appropriate vMA version and VMware Tools version.







15. Setup finished. Now do a shutdown test on a non-production server via RemotEye 4 web interface. Go to "UPS MONITORING > Protected Clients" and select the "Test" check box and click on the "Send Shutdown" button below. NOTE: Please do this only to a NON-Production ESXi server!

	Multi-		JPS Mana	SETTINGS		
C DASHBOARD OF SINC		S OF S MANAG	Guest			
UPS MONITORING			Description			
 UPS Data General Input Parameter 	Index	IP Address	Client Name	Shutdown Delay(Secs)	Connected Time Test	Number Index
Output Parameter Battery Parameter	1	10.1.1.201	Root	120	01-06-2016 03:08:51	This field shows the serialized index numbers of the RemotEye
UPS Home Group Protected Clients Alert Center History Logs						4 registered clients that are running during the execution of the RemotEye 4 Shutdown application.
	Num	ber of Protected Clie	ents: 1			
+======================================		E uGuar	======== d Main	menu	======================================	+
 +================================ uGuard Version uGuard Status uGuard Control uGuard Status uGuard Log ESXi server Lis Exit Please Enter Your 	ration st Con Choic	: uGuard : Runnin figuratio :e =>	-0.9.0.b3 g n			
*** Broadcast from System will shutdo —	า uGua วพท af	rd.sh at ter 30 se	Thu Jul conds	7 07:11	:46 UTC 2016	

NOTE: If you want to return to uGuard main menu, please execute uGuard.sh that path is "/etc/uGuard/script"

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localhost:/home/vi-admin/SD/Sd_ESXi_HA_TSB # cd /etc/uGuard/script/ localhost:/etc/uGuard/script # ls localhost:/etc/uGuard/script # ./uGuard.sh _____

+=====================================	E uGuard Main menu J	+==============================
+======================================		+
uGuard Version	: uGuard-0.9.0.b3	
uGuard Status	: Running	
1. uGuard Configuration		
2. uGuard Control		
3. uGuard Status		
4. uGuard Log		
5. ESXi server List Con	figuration	
0. Exit		
Please Enter Your Choic	e =>_	



Help

The uGuard Service help manual displays all of the parameters that can be used. You can type </etc/uGuard -h> to show RemotEye Service help manual page.



Uninstall To uninstall uGuard, execute <./unin.sh>

localhost:/R4SD/Sd_ESXi_HA_TSB # 1s install.sh oslist uGuard.tar.gz unins.sh localhost:/R4SD/Sd_ESXi_HA_TSB # ./unins.sh Are you sure to uninstall now?(y/n)y Unload previous installation ... uGuard-0.9.0.b3 uGuard.sh stopping... Do you want to remove log file?(y/n)y Uninstall successfully. localhost:/R4SD/Sd_ESXi_HA_TSB # _



How to add ESXi Server

ESXi client software support 1~5 ESXi servers, below is how to add ESXi Server:

1. Type <vifp addserver [server IP]> to add ESXi server in vMA.

localhost: # vifp addserver 10.1.5.205
root010.1.5.205's password: _

2. Setting ESXi servers in uGuard main menu

```
[ uGuard
Ľ
                         Main
                              menu l
uGuard Version : uGuard-0.9.0.b3
  uGuard Status
                : Running
1. uGuard Configuration
2. uGuard Control
3. uGuard Status
4. uGuard Log
5. ESXi server List Configuration
0. Exit
Please Enter Your Choice =>No virtual machine found.
I ESXi Config Group Menu ]
uGuard Version
                 : uGuard-0.9.0.b3
  uGuard Status
                 : Running
1. ESXi 1 setting
2. ESXi 2 setting
3. ESXi 3 setting
4. ESXi 4 setting
5. ESXi 5 setting
O. Return to previous menu
Please Enter Your Choice =>_
```



For example, here are three ESXi servers. (ESXi 6.0.0, ESXi 5.1.0, and ESXi 5.5.0)



It need add 3 servers (10.1.7.254 , 10.1.7.151 , 10.1.7.155) in vMA(10.1.7.252) , and setting 1~3 ESXi servers in "ESXi Config Group Menu".



Guest OS Shutdown Order Setup Example

Guest OS Shutdown order setting example: WinXP x64(10.1.7.1) -> WinXP x64(10.1.7.2) -> WinXP(10.1.7.9) -> vMA6.0.0(10.1.7.252)



Type/etc/uGuard/script/uGuard.sh -o and edit VMs shutdown order (using vi editor commands)



localhost:/R4SD/Sd_ESXi_HA_TSB	#	
localhost:/R4SD/Sd_ESXi_HA_TSB	#	
localhost:/R4SD/Sd_ESXi_HA_TSB	#	
localhost:/R4SD/Sd_ESXi_HA_TSB	#	
localhost:/R4SD/Sd_ESXi_HA_TSB	#	<pre>/etc/uGuard/script/uGuard.sh -o_</pre>

;Please enter shutdown order, format flow "VMNIP=ip address"	
;Please enter total shutdown order number for check.	
TotalOrderNu <u>m</u> ber = 0	
VM1IP = 0.0.0	
VM2IP = 0.0.0.0	
VM3IP = 0.0.0.0	
VM4IP = 0.0.0.0	
UM51P = 0.0.0.0	
*	
(to ("Guand compart one ("Guand shutdownonder List conf" 91 21EC 2 12	011
Cic/uduaru/script/sys/uduara_snutabwnorderList.com oL, 2150 5,15	нп







Shutdown Flow Procedure

- 1. Access ESXi server
- 2. List how many VM in this ESXi server
- 3. Compare shutdown in order list with VM in each ESXi Server
- 4. Event Triggered then shutdown VM in list till all VM shutdown
- 5. In meantime shutdown all VM that not in shutdown order.
- 6. Last, shutdown VMA











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