

ClientMate VMWare ESXi 5.X

1、ClientMate VMWare ESXi X.0 Installation

1. Save file of clientmate_snmpv3_lib4_20150408.tar.gz under directory of /vmfs/volumes/datastore1
2. Unzip tar -zxvf clientmate_snmpv3_lib4_20150408.tar.gz to create directory ClientMate
3. Rename ClientMate directory to ClientMate_install
4. Enter to ClientMate _install directory
5. Change install.clientmate authority by entering command chmod 755 ./install.clientmate
6. Execute ClientMate - ./install.clientmate

```
localhost login: root
Password:
The time and date of this login have been sent to the system logs.

VMware offers supported, powerful system administration tools. Please
see www.vmware.com/go/sysadmintools for details.

The ESXi Shell can be disabled by an administrative user. See the
vSphere Security documentation for more information.
~ # ls
altbootbank      dev              local.tgz        proc             store            usr              vnupgrade
bin              etc              locker           productLocker    tardisks         var
bootbank         lib             mbr              sbin             tardisks.noauto  vmfs
bootpart.gz      lib64           opt              scratch          tmp              vmlimages

~ # cd /vmfs/volumes/datastore1/
/vmfs/volumes/5513cf32-ea2e0c05-ed7d-000c2949a2eb # ls ← 1
Fedora-20-i386-DVD.iso      clientmate_snmpv3_lib4_20150408.tar.gz  fedora 20 i386
/vmfs/volumes/5513cf32-ea2e0c05-ed7d-000c2949a2eb # tar -zxvf clientmate_snmpv3_lib4_20150408.tar.gz ← 2
clientmate/
clientmate/daemon
clientmate/clientmate
clientmate/pager
clientmate/postshut.bat
clientmate/preshut.bat
clientmate/clientmate.eml
clientmate/rupslog
clientmate/shutdown.ini
clientmate/install.clientmate
clientmate/email
clientmate/power.ini
clientmate/busy
clientmate/vmx_check.sh
clientmate/clientmate.q1
clientmate/startup.add
clientmate/clientmate.cfg
clientmate/clientmate.pgr
/vmfs/volumes/5513cf32-ea2e0c05-ed7d-000c2949a2eb # mv clientmate clientmate_install ← 3
/vmfs/volumes/5513cf32-ea2e0c05-ed7d-000c2949a2eb # ls
Fedora-20-i386-DVD.iso      clientmate_snmpv3_lib4_20150408.tar.gz
clientmate_install          fedora 20 i386 ← 4
/vmfs/volumes/5513cf32-ea2e0c05-ed7d-000c2949a2eb # cd clientmate_install/
/vmfs/volumes/5513cf32-ea2e0c05-ed7d-000c2949a2eb/clientmate_install # ls
busy          clientmate.eml  daemon         pager          preshut.bat   startup.add
clientmate    clientmate.pgr  email          postshut.bat  rupslog       vmx_check.sh
clientmate.cfg  clientmate.q1  install.clientmate  power.ini     shutdown.ini
/vmfs/volumes/5513cf32-ea2e0c05-ed7d-000c2949a2eb/clientmate_install # chmod 755 ./install.clientmate ← 5
/vmfs/volumes/5513cf32-ea2e0c05-ed7d-000c2949a2eb/clientmate_install # ./install.clientmate _ ← 6
```

7. PC querying if install under directory of /vmfs/volumes/datastore1/clientmate? Yes or NO

8. Press ENTER to execute

```
/vmfs/volumes/5134ad07-749b6a29-5dc0-000c2952c4cf/clientmate_install # ./install.clientmate
ClientMate for VMWare

Would you like to install ClientMate for VMWare to the directory /vmfs/volumes/datastore1/clientmate? (Y)es, (N)o. [y]
ClientMate for VMWare Will be installed to /vmfs/volumes/datastore1/clientmate.
Press ENTER to continue ...

Create /vmfs/volumes/datastore1/clientmate directory...

Moving files from /vmfs/volumes/datastore1/clientmate_install to /vmfs/volumes/datastore1/clientmate .....
Creating help subdirectory...
OK.

Adding entries in /etc/rc.local ....

Backup /etc/rc.local to /etc/rc.local.old.clientmate
Adding startup command to /etc/rc.local startup file.

OK.
Press ENTER to continue...
```

2. Enter ClientMate configuration page, ClientMate installation completed.

```
(SNMP ClientMate for Linux) UPS Configuration Utility, Ver. 3.4
Copyright(C) 2014 MegaTec Technologies Co., Ltd. 2014-10-08, 00:42 Wed.
+-----+
| [d] System Shutdown Delay Time When AC Power Failed: 5.0 Min. |
| [b] System Shutdown Delay Time When Battery Low : 1.0 Min. |
| [u] UPS Turn Off Delay Time : 3.0 Min. |
| [n] Shutdown Count Down Display: ON |
| [a] Turn off UPS after System Shutdown: YES |
|
| [i] Select IP to Configure(IP1/IP2): |
| [o] Community Name : public |
| [p] Ip Address : 192.168.5.227 |
| [v] SNMP Version(V1/V2C/V3): V3 |
| [h] User Name : 12345678 |
| [k] SNMP Password : ***** |
| [f] Private key(DES/AES): DES |
| [e] Encryption (MD5/SHA): MD5 |
|
| [s] Save Configuration. |
| [q] Quit. |
+-----+
Press the letters in brackets to select items.
Press [+], [-], or [i], [m] to change values.
Press [r] to redraw screen.
```

3. How to enter to the Configuration page

Change the directory to /datastore1/clientmate and then execute ./clientmate config

```
~ # cd /vmfs/volumes/datastore1/clientmate/
/vmfs/volumes/5134ad07-749b6a29-5dc0-000c2952c4cf/clientmate # ./clientmate config
```

4. Configuration page

```
(SNMP ClientMate for VMWare) UPS Configuration Utility, Ver. 3.5
Copyright(C) 2010 MegaTec System Technologies, Inc.2013-03-04, 15:16 Mon.
+-----+
|      [d] System Shutdown Delay Time When AC Power Failed:  5.0 Min.      |
|      [b] System Shutdown Delay Time When Battery Low       :  1.0 Min.      |
|      [u] UPS Turn Off Delay Time                             :  3.0 Min.      |
|                                                                           |
|      [o] Community Name   :  public                                     |
|      [p] Ip Address       :  127.0.0.1                               |
|      [n] Shutdown Count Down Display: ON                             |
|                                                                           |
|      [a] Turn off UPS after System Shutdown: YES                     |
|                                                                           |
|                                                                           |
|                                                                           |
|                                                                           |
|                                                                           |
|      [s] Save Configuration.                                         |
|      [q] Quit.                                                       |
+-----+
Press the letters in brackets to select items.
Press [+], [-], or [il], [m] to change values.
Press [r] to redraw screen.
```

5. How to enter to ClientMate Status page

Change directory to clientmate and then execute `./clientmate status`

```
/vmfs/volumes/5134ad07-749b6a29-5dc0-000c2952c4cf/clientmate # ./clientmate status
```

6. Status page

```
(SNMP ClientMate for VMWare) UPS Status Screen, Ver. 3.5
Copyright(C) 2010 MegaTec System Technologies, Inc. 2013-03-04, 15:50 Mon.
```

Ip Address	:	192.168.0.171
Community Name	:	public
Input AC Power	:	Normal
Battery Status	:	Normal
Time on Battery:		
ACfail Shutdown Delay:	1 Min.	
UPS Turn Off Delay	: 1.0 Min.	

```
System: VMkernel[localhost] [r]-Redraw, [q]-Quit
```

7. How to start/stop ClientMate software

To stop: Change the directory to the path where ClientMate is installed and execute
./clientmate stop

To Start: Change the directory to the path where ClientMate is installed and
execute ./clientmate start

```
/vmfs/volumes/533cb985-878cfc3f-d3a4-000c2952a25a/clientmate #  
/vmfs/volumes/533cb985-878cfc3f-d3a4-000c2952a25a/clientmate # ./clientmate stop 9  
<SNMP ClientMate for VMWare>  
is not running!  
/vmfs/volumes/533cb985-878cfc3f-d3a4-000c2952a25a/clientmate # ./clientmate start 10  
/vmfs/volumes/533cb985-878cfc3f-d3a4-000c2952a25a/clientmate # Set Signal Complete  
Initial Config Complete  
<SNMP ClientMate for VMWare>  
<SNMP ClientMate for VMWare> Copyright(C) 2010 MegaTec System Technologies, Inc.  
Copyright(C) 2010 MegaTec System Technologies, Inc.  
<SNMP ClientMate for VMWare> Ver. 3.5  
Ver. 3.5  
<SNMP ClientMate for VMWare> Start Running!  
Start Running!
```

8. How to view the Event Log

Log is stored under rupslog. So Change the directory to the path where ClientMate is installed
and execute cat rupslog | more

```
/vmfs/volumes/5134ad07-749b6a29-5dc0-000c2952c4cf/clientmate # ls  
busy          clientmate.cfg  clientmate.pgr  daemon          power.ini      rupslog  
clientmate    clientmate.eml  clientmate.q1   help            preshut.bat    shutdown.ini  
/vmfs/volumes/5134ad07-749b6a29-5dc0-000c2952c4cf/clientmate # cat rupslog | more 11  
AC Power Fails! UPS provides power! - Mon Mar 4 15:52:30 2013  
System will be shut down in 1 Minute! - Mon Mar 4 15:52:31 2013
```

9. How to uninstall ClientMate

Stop ClientMate and change to the directory to /datastore1/clientmate and execute
./clientmate stop

```
/vmfs/volumes/533cb985-878cfc3f-d3a4-000c2952a25a/clientmate # ./clientmate stop 12  
<SNMP ClientMate for VMWare>  
is not running!  
/vmfs/volumes/533cb985-878cfc3f-d3a4-000c2952a25a/clientmate #
```

Delete /datastore1/clientmate directory by entering rm -rf clientmate

```
/vmfs/volumes/533cb985-878cfc3f-d3a4-000c2952a25a/clientmate # cd ..  
/vmfs/volumes/533cb985-878cfc3f-d3a4-000c2952a25a # ls  
clientmate      clientmateESXi5.tar.gz  clientmate_install 13  
/vmfs/volumes/533cb985-878cfc3f-d3a4-000c2952a25a # rm -rf clientmate
```

Enter to /etc/rc.local.d/local.sh file

```
zvrnf"> ivo  urcs/ T:Jcb'HJ tli'tlcf cJI dJu1 UUJc2'2u2u 11 v i 1ctc,rc .locu .d, o cu .'.ih
```

Delete CD installation directory

```
U'/bin/sh
```

```
# local configuration options
```

```
N Note: Modify at your own risk' If you do/use anything in this
N script that is not part of a stable API (relying on files to be in
N specific places,specific tools,specific output.etc)there is a
N possibility you will end up with a broken system after patching or
N upgrading.Changes are not supported unless under direction of
N VMware support.
```

```
cd /vMfs/voluMes/datastore1/clientMate:/vMfs/voluMes/datastore1/clientMate/clientMate start &
exit 0
```

Save then Exit