

ClientMate VMWare ESXi 5.X

1 - ClientMate VMWare ESXi 5.0 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              vmimages
~ # 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 ← 4
clientmate_install        fedora 20 i386
/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 quering 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...
```

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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

[l] 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 Linux) UPS Configuration Utility, Ver. 3.4
Copyright(C) 2014 MegaTec Technologies Co., Ltd. 2014-10-08, 00:47 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 |
| | |
| [l] Select IP to Configure(IP1/IP2): IP1 |
| [o] Community Name : public |
| [p] Ip Address : 192.168.5.227 |
| [v] SNMP Version(V1/V2C/V3): V2C |
| | |
| [s] Save Configuration. |
| [q] Quit. |
+-----+
Press the letters in brackets to select items.
Press [n] to change values to V1/V2C/V3.
Press [r] to redraw screen.
```

5. How to enter to ClientMate Status page

Change directory to clientmate and then execute ./clientmate status

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

6. Status page

```
(SNMP ClientMate for Linux) UPS Status Screen, Ver. 3.4
Copyright(C) 2014 MegaTec Technologies Co., Ltd. 2014-10-08, 00:50 Wed.
+-----+
| Ip Address : 192.168.0.173 | Ip Address : 192.168.5.196 |
| Community Name : public | Community Name : public |
| Input AC Power : Normal | Input AC Power : N/A |
| Battery Status : Normal | Battery Status : N/A |
| Time on Battery: | Time on Battery: |
| ACfail Shutdown Delay: 5 Min. | ACfail Shutdown Delay: 5 Min. |
| UPS Turn Off Delay : 3.0 Min. | UPS Turn Off Delay : 3.0 Min. |
| | |
| IP1 | IP2 |
| | |
+-----+
System: VMkernel[localhost.localdomain] Type 'r' to Redraw, Type 'q' to 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  
/vmfs/volumes/533cb985-878cfc3f-d3a4-000c2952a25a # rm -rf clientmate ← 13
```

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

```
/vmfs/volumes/533cb985-878cfc3f-d3a4-000c2952a25a # vi /etc/rc.local.d/local.sh
```

Delete CD installation directory

```
#!/bin/sh

# local configuration options

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

cd /vmfs/volumes/datastore1/clientmate;/vmfs/volumes/datastore1/clientmate/clientmate start &
exit 0

~
~
~
```

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Save then Exit