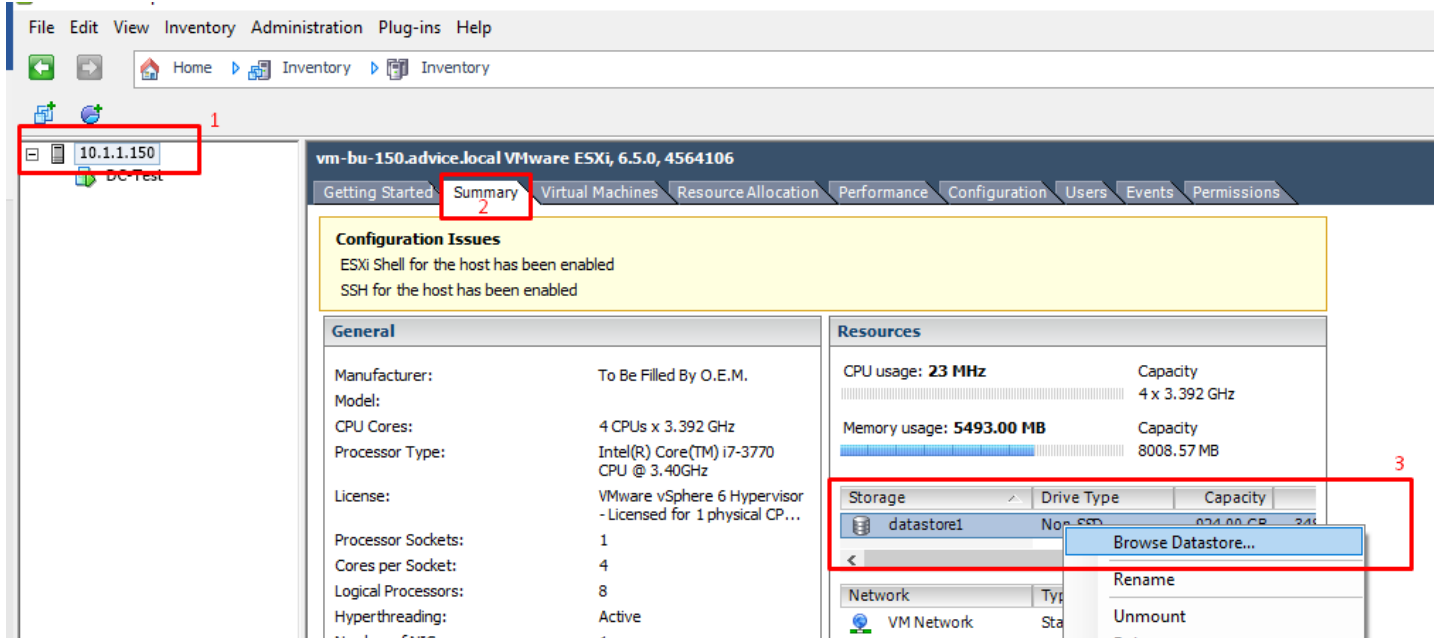


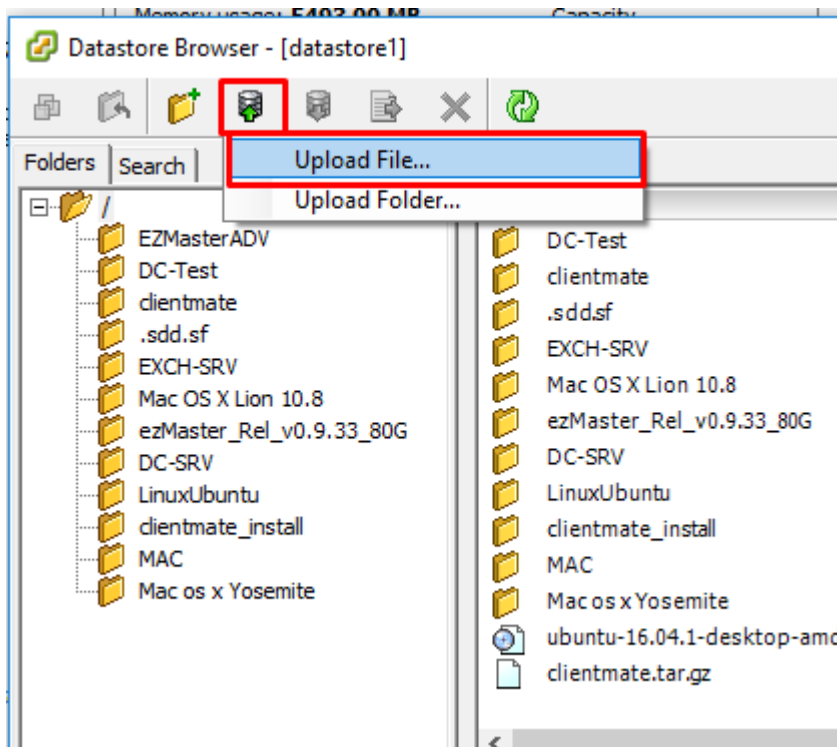
ClientMate VMWare ESXi X.X installation

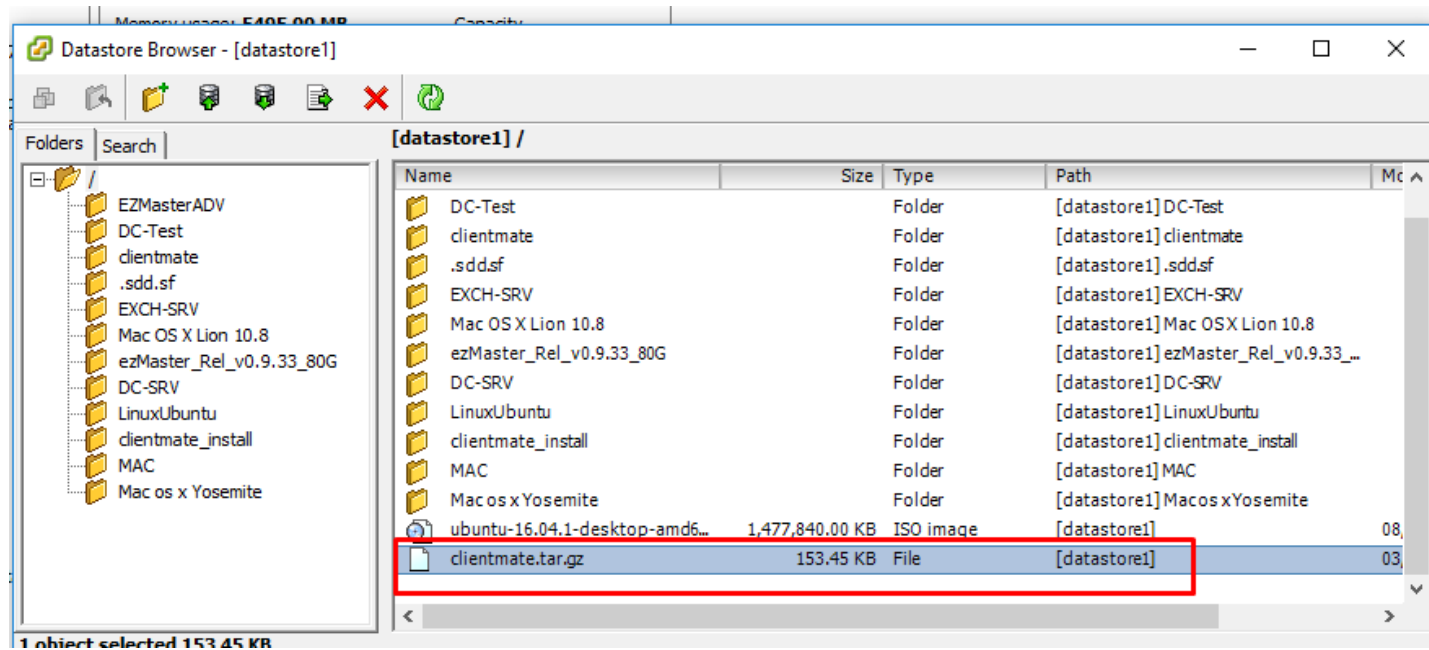
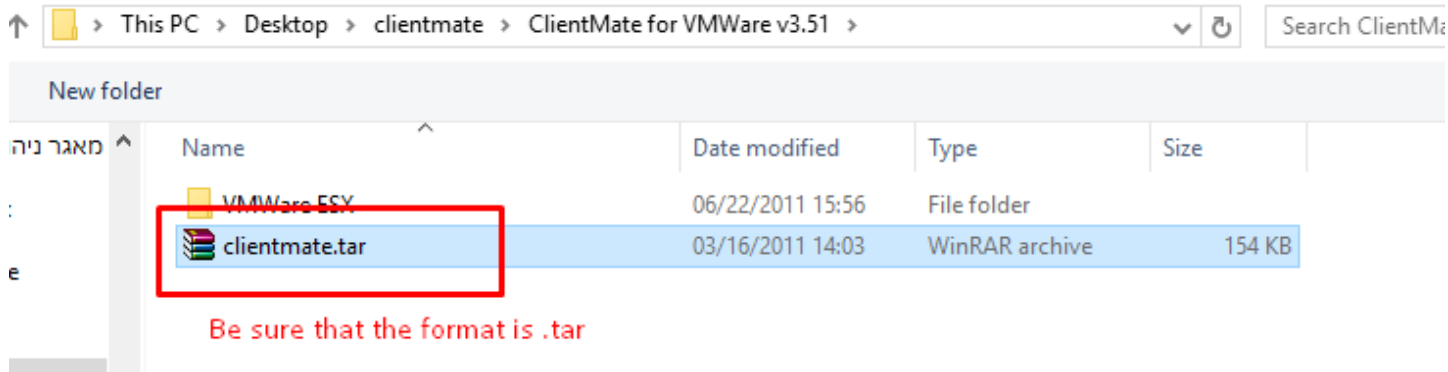
Please following all the steps carefully:

1. Save file of ClientMate.tar.gz under directory of: /vmfs/volumes/datastore1



Note: please copy the Clientmate.tar.gz file directly to datastore1 (or your storage name) **without** create any subfolder.





2. Unzip ClientMate.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

If you using different name for Datastore1 you need to write → cd /vmfs/volumes

Then press → ls and see the storage that you want to use. Press again-> cd (and name of your storage)

Note – press Tab key to auto complete the storage name

```
ESXi 5.0.0 http://www.vmware.com
Copyright (c) 2007-2011 VMware, Inc.

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.
~ # cd /vmfs/volumes/datastore1/ 1
/vmfs/volumes/5134ad07-749b6a29-5dc0-000c2952c4cf # ls
clientmate.tar.gz
/vmfs/volumes/5134ad07-749b6a29-5dc0-000c2952c4cf # tar -zxvf clientmate.tar.gz 2
clientmate/
clientmate/power.ini
clientmate/daemon
clientmate/install.clientmate
clientmate/preshut.bat
clientmate/shutdown.ini
clientmate/clientmate.q1
clientmate/busy
clientmate/clientmate.eml
clientmate/clientmate
clientmate/email
clientmate/clientmate.cfg
clientmate/clientmate.pgr
clientmate/startup.add
clientmate/rupslog
clientmate/pager
/vmfs/volumes/5134ad07-749b6a29-5dc0-000c2952c4cf # mv clientmate clientmate_install 3
/vmfs/volumes/5134ad07-749b6a29-5dc0-000c2952c4cf # ls
clientmate.tar.gz clientmate_install
/vmfs/volumes/5134ad07-749b6a29-5dc0-000c2952c4cf # cd clientmate_install/ 4
/vmfs/volumes/5134ad07-749b6a29-5dc0-000c2952c4cf/clientmate_install # ls
busy          clientmate.eml      daemon             pager             rupslog
clientmate    clientmate.pgr      email             power.ini         shutdown.ini
clientmate.cfg clientmate.q1        install.clientmate preshut.bat        startup.add
/vmfs/volumes/5134ad07-749b6a29-5dc0-000c2952c4cf/clientmate_install # chmod 755 ./install.clientmate 5
/vmfs/volumes/5134ad07-749b6a29-5dc0-000c2952c4cf/clientmate_install # ./install.clientmate 6
```

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

Careful! If your storage name is not Datasrote1 please press No and write the right directory for example: /vmfs/volumes/mystoragename → then press Enter

```
[root@vm-bu-150:/vmfs/volumes/5537a248-00b22998-cc58-7054d21a46bb] ls
DC-SRV          EXCH-SRV          LinuxUbuntu       Mac OS X Lion 10.8   clien
DC-Test         EZMasterADV       MAC              Mac os x Yosemite   clien
[root@vm-bu-150:/vmfs/volumes/5537a248-00b22998-cc58-7054d21a46bb] cd clientmate_install/
[root@vm-bu-150:/vmfs/volumes/5537a248-00b22998-cc58-7054d21a46bb/clientmate_install] ls
busy          clientmate.cfg    clientmate.pgr    daemon          install.clientmate power.ini        rupslog
[root@vm-bu-150:/vmfs/volumes/5537a248-00b22998-cc58-7054d21a46bb/clientmate_install] ./install.clientmate
./install.clientmate: line 13: id: not found
sh: 0: unknown operand
ClientMate for VMWare

Would you like to install ClientMate for VMWare to the directory /vmfs/volumes/datastore1/clientmate? (Y)es, (N)o. [y]n
Please input new directory: /vmfs/volumes/5537a248-00b22998-cc58-7054d21a46bb(your storagename) -- then press enter
```

```
ClientMate for VMWare

Would you like to install ClientMate for VMWare to the directory /vmfs/volumes/datastore1/clientmate? (Y)es, (N)o. [y]n

Please input new directory:/vmfs/volumes/5537a248-00b22998-cc58-7054d21a46bb          Created auto
ClientMate for VMWare Will be installed to /vmfs/volumes/5537a248-00b22998-cc58-7054d21a46bb/clientmate.
Press ENTER to continue ...
```

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...
```

7

8

Enter ClientMate configuration page ClientMate installation completed.

Note → you need to configure the setting twice (sometimes the setting doesn't save in the first try)

```
(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 [i], [m] to change values.
Press [r] to redraw screen.
```

IP Address of the NetAgent (UPS)

Advice – better to press NO

After saving the configuration by pressing → **s** and then → **q** for exit.

Note- you need to login again to SNMP configuration to check if the new configuration saved.

By Pressing → `./clientmate config`

```
Start ClientMate for VMWare background process...
Set Signal Complete
Initial Config Complete
<SNMP ClientMate for VMWare>
Copyright(C) 2010 MegaTec System Technologies, Inc.
Ver. 3.5
[root@vm-bu-150:/vmfs/volumes/5537a248-00b22998-cc58-7054d21a46bb/clientmate_install] ./clientmate config
```

```
(SNMP ClientMate for VMWare) UPS Configuration Utility, Ver. 3.5
Copyright(C) 2010 MegaTec System Technologies, Inc.2017-03-20, 07:57 Mon.
+-----+
| [d] System Shutdown Delay Time When AC Power Failed: 18.0 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       : 10.1.1.97 |
| [n] Shutdown Count Down Display: ON |
|
| [a] Turn off UPS after System Shutdown: NO |
|
|
| [s] Save Configuration. (Save Completed!) |
| [q] Quit. |
+-----+
Press the letters in brackets to select items.
Press [+], [-], or [i], [m] to change values.
Press [r] to redraw screen.
```

To check the Status of the UPS that help to understand if there is connection between the host and UPS you need to pressing:

➔ `./clientmate status`

```
Start ClientMate for VMWare background process...
Set Signal Complete
Initial Config Complete
<SNMP ClientMate for VMWare>
Copyright(C) 2010 MegaTec System Technologies, Inc.
Ver. 3.5
[root@vm-bu-150:/vmfs/volumes/5537a248-00b22998-cc58-7054d21a46bb/clientmate_install] ./clientmate status
```

```
(SNMP ClientMate for VMWare) UPS Status Screen, Ver. 3.5
Copyright(C) 2010 MegaTec System Technologies, Inc. 2017-03-20, 07:59 Mon.
+-----+
| Ip Address      : 10.1.1.97      ||
| Community Name  : public         ||
| Input AC Power  : Normal         ||
| Battery Status  : Normal         ||
| Time on Battery:                 ||
| ACfail Shutdown Delay: 18 Min.   ||
| UPS Turn Off Delay : 3.0 Min.    ||
+-----+

System: VMkernel[vm-bu-150.advice.local] [r]-Redraw, [q]-Quit
```

If Input AC power and Battery Status is **Normal** so we may conclude that there is a connection between the UPS and Host Server

But if the status is N/A there is a problem with the connection between the UPS and Host.

```
(SNMP ClientMate for VMWare) UPS Status Screen, Ver. 3.5
Copyright(C) 2010 MegaTec System Technologies, Inc. 2017-03-20, 08:04 Mon.
+-----+
| Ip Address      : 10.1.1.90      ||
| Community Name  : public         ||
| Input AC Power  : N/A           ||
| Battery Status  : N/A           ||
| Time on Battery: N/A            ||
| ACfail Shutdown Delay: 18 Min.   ||
| UPS Turn Off Delay : 3.0 Min.    ||
+-----+

System: VMkernel[vm-bu-150.advice.local]Type 'r' to Redraw, Type 'q' to Quit.
```

Following the next steps if N/A:

- ➔ Check the IP Address and connection to SNMP card
- ➔ Be sure that the community name: **public** is right also in the snmp card (SNMP setting)
- ➔ Check if SNMP port is open

Open SNMP port:

vm-bu-150.advice.local VMware ESXi, 6.5.0, 4564106

Getting Started Summary Virtual Machines Resource Allocation Performance Configuration Users Events Permissions

Hardware: Health Status, Processors, Memory, Storage, Networking, Storage Adapters, Network Adapters, Advanced Settings, Power Management

Software: Licensed Features, Time Configuration, DNS and Routing, Authentication Services, Virtual Machine Startup/Shutdown, Virtual Machine Swapfile Location, **Security Profile** 3, Host Cache Configuration, System Resource Reservation, Agent VM Settings, Advanced Settings

Security Profile Services

SNMP Server

PC/SC Smart Card Daemon

Load-Based Teaming Daemon

ESXi Shell

X-Org Server

VMware vCenter Agent

NTP Daemon

Active Directory Service

SSH

Syslog Server

Direct Console UI

CDM Server

Refresh Properties...

Incoming Connections

Service	Port	Protocol	Access
Virtual SAN Clustering Service	12345,23451,12321	(UDP)	All
CIM Secure Server	5989	(TCP)	All
SNMP Server	161	(UDP)	All
idfilterd	8080	(TCP)	All
DVSSync	8301,8302	(UDP)	All
vSphere Web Client	902,443	(TCP)	All
DHCP Client	58	(UDP)	All
DHCPv6	546	(TCP,UDP)	All
SSH Server	22	(TCP)	All
NFC	902	(TCP)	All
Virtual SAN Transport	2233	(TCP)	All
Active Directory All	2020	(TCP)	All
vSphere Web Access	80	(TCP)	All
Fault Tolerance	8300	(TCP)	All
CIM Server	5988	(TCP)	All
VM serial port connected over network	23,1024-65535	(TCP)	All
CIM SLP	427	(UDP,TCP)	All
DNS Client	53	(UDP)	All
gdbserver	1000-9999,50000-50999	(TCP)	All
vsanvp	8000	(TCP)	All
NSX Distributed Logical Router S...	6999	(UDP)	All
vMotion	8000	(TCP)	All
Outgoing Connections			
Virtual SAN Clustering Service	12345,23451,12321	(UDP)	All
DVSSync	8302,8301	(UDP)	All

Label	Incoming Ports	Outgoing Ports	Protocols	Daemon
<input checked="" type="checkbox"/> NSX Distributed Logical Router Ser...	6999	6999	UDP	N/A
<input checked="" type="checkbox"/> DNS Client	53	53	UDP,TCP	N/A
<input checked="" type="checkbox"/> vsanvp	8080	8080	TCP	N/A
<input checked="" type="checkbox"/> CIM SLP	427	427	UDP,TCP	N/A
<input checked="" type="checkbox"/> SNMP Server	161		UDP	Stopped
<input type="checkbox"/> FTP Client	20	21	TCP	N/A
<input checked="" type="checkbox"/> vMotion	8000	8000	TCP	N/A
<input checked="" type="checkbox"/> Active Directory All	2020	88,123,137,139,389,...	TCP,UDP	N/A
<input checked="" type="checkbox"/> rabbitmqproxy		5671	TCP	N/A
<input checked="" type="checkbox"/> DVSSync	8301,8302	8302,8301	UDP	N/A

Service Properties

General

Service: SNMP Server

Package Information: esx-base
This VIB contains all of the base functionality of vSphere ESXi.

Firewall Settings

Allowed IP Addresses: All

Start the service

Firewall... Options...

If there is still problem with the connection, please following the next manual "Clientmate ESXi SNMP SETTING"