ADSP-9.1.3 VM-Tools

Contact: vbfn86@Zebra.com

May 25, 2016

VM-Tools Installation Procedure

List of steps to be executed :

1. **FOR ESXI5.5** Download the following packages from

   http://packages.vmware.com/tools/esx/5.5latest/rhel6/x86_64/index.html :

Packages: (Total: 23)

   a) kmod-vmware-tools-vmci-9.5.13.0-2.6.32.71.el6.x86_64.5.el6.x86_64.rpm

   b) kmod-vmware-tools-vmxnet-2.0.15.0-2.6.32.71.el6.x86_64.5.el6.x86_64.rpm

   c) kmod-vmware-tools-vsock-9.5.6.0-2.6.32.71.el6.x86_64.5.el6.x86_64.rpm

   d) vmware-tools-esx-kmods-9.4.12-1.el6.x86_64.rpm

   e) vmware-tools-foundation-9.4.12-1.el6.x86_64.rpm

   f) vmware-tools-vmci-common-9.4.12-5.el6.x86_64.rpm

   g) vmware-tools-vmxnet-common-9.4.12-5.el6.x86_64.rpm

   h) vmware-tools-vsock-common-9.4.12-5.el6.x86_64.rpm

   i) vmware-tools-core-9.4.12-1.el6.x86_64.rpm

   j) vmware-tools-esx-nox-9.4.12-1.el6.x86_64.rpm

   k) vmware-tools-guestlib-9.4.12-1.el6.x86_64.rpm

   l) vmware-tools-guestsdk-9.4.12-1.el6.x86_64.rpm

   m) vmware-tools-libraries-nox-9.4.12-1.el6.x86_64.rpm

   n) vmware-tools-plugins-autoUpgrade-9.4.12-1.el6.x86_64.rpm

   o) vmware-tools-plugins-deployPkg-9.4.12-1.el6.x86_64.rpm

   p) vmware-tools-plugins-grabbitmqProxy-9.4.12-1.el6.x86_64.rpm

   q) vmware-tools-plugins-guestInfo-9.4.12-1.el6.x86_64.rpm

   r) vmware-tools-plugins-hgfsServer-9.4.12-1.el6.x86_64.rpm

   s) vmware-tools-plugins-powerOps-9.4.12-1.el6.x86_64.rpm

   t) vmware-tools-plugins-timeSync-9.4.12-1.el6.x86_64.rpm

   u) vmware-tools-plugins-vix-9.4.12-1.el6.x86_64.rpm

   v) vmware-tools-plugins-vmbackup-9.4.12-1.el6.x86_64.rpm

   w) vmware-tools-services-9.4.12-1.el6.x86_64.rpm

   FOR ESXI6.0 Download the following packages from

http://packages.vmware.com/tools/esx/6.0u1/rhel6/x86_64/index.html

Packages: (Total: 24)

a) kmod-vmware-tools-vmci

b) kmod-vmware-tools-vmxnet

c) kmod-vmware-tools-vsock

d) vmware-tools-core

e) vmware-tools-esx-kmods

f) vmware-tools-esx-nox

g) vmware-tools-foundation

h) vmware-tools-guestlib

i) vmware-tools-guestsdk

j) vmware-tools-libraries-nox

k) vmware-tools-plugins-autoUpgrade

l) vmware-tools-plugins-deployPkg

m) vmware-tools-plugins-grabbitmqProxy

n) vmware-tools-plugins-guestInfo

o) vmware-tools-plugins-hgfsServer

p) vmware-tools-plugins-powerOps

q) vmware-tools-plugins-timeSync

r) vmware-tools-plugins-vix

s) vmware-tools-plugins-vmbackup

t) vmware-tools-services

u) vmware-tools-vgauth

v) vmware-tools-vmci-common

w) vmware-tools-vmxnet-common

x) vmware-tools-vsock-common

2. Login as user **smxmgr** through WinSCP, create a new folder viz **vmtools** in directory path /usr/local/tmp

3. Copy the downloaded OSP packages for ESI5.5 to /usr/local/tmp/vmtools/

   NOTE:In case if vmtools has to be installed on ESXI6.0, copy all the rpms required for EXSI6.0 in /usr/local/tmp/vmtools and continue the installation from step 4

4. Putty(SSH) to ADSP server and login with smxmgr
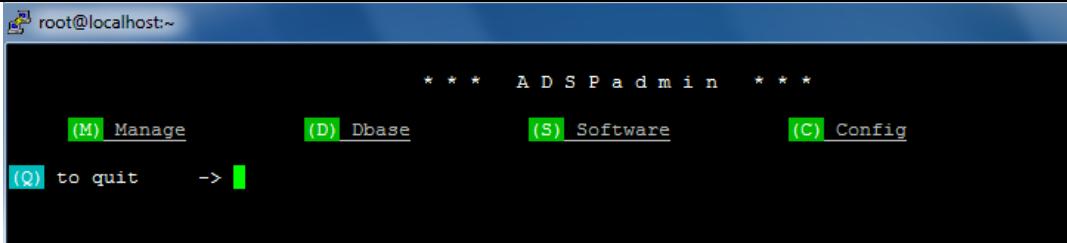
5. Under Software → vmtools
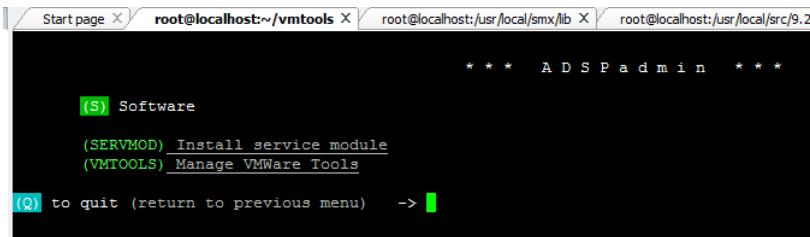
6. under VMTools→choose **Install(I)** option
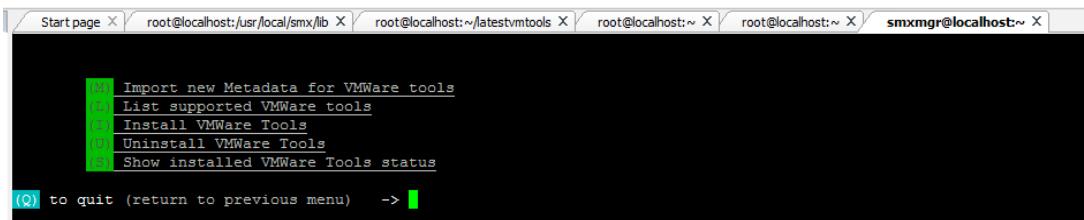
7. Choose option 1 for ESXI5.5 if the VM is hosted on ESXI5.5.0 server. Note that there is no error message thrown if we install ESXI6.0 rpms on EXSI5.5. So it's strictly recommended to use the rpms correctly.

Zebra Technologies Confidential Restricted

```
Getting Started  Summary  Resource Allocation  Performance  Events  Console  Permissions

            Import new Metadata for VMWare tools
            List supported VMWare tools
            Install VMWare Tools
            Uninstall VMWare Tools
            Show installed VMWare Tools status

    (Q) to quit (return to previous menu)   -> i


    Metadata files available in server:

        (1)    ESXi-5.5_default
        (2)    ESXi-6.0_default

                    Enter line number of metadata file to install
                    (<Q> to return to previous menu)
                    -> 1



                    Enter fully-qualified directory name
                    where the downloaded rpms present
                    (<Enter> if in /usr/local/tmp/vmtools)
                    (<Q> to return to previous menu)
                    -> _
```

8. Give the path of the saved rpms **/usr/local/tmp/vmtools/** and press ENTER.
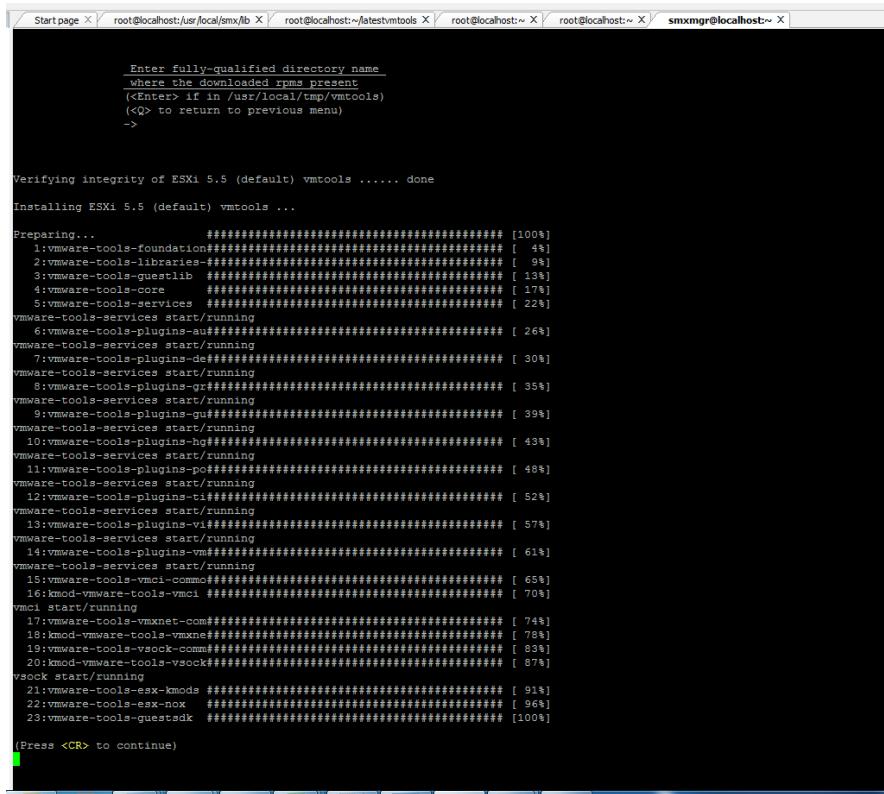

```
Start page X  root@localhost:/usr/local/smx/lib X  root@localhost:~/latestvmtools X  root@localhost:~ X  root@localhost:~ X  smxmgr@localhost:~ X

                Enter fully-qualified directory name
                where the downloaded rpms present
                (<Enter> if in /usr/local/tmp/vmtools)
                (<Q> to return to previous menu)
                ->

Verifying integrity of ESXi 5.5 (default) vmtools ...... done

Installing ESXi 5.5 (default) vmtools ...

Preparing...                ################################# [100%]
    1:vmware-tools-foundation################################# [  4%]
    2:vmware-tools-libraries-################################# [  9%]
    3:vmware-tools-guestlib  ################################# [ 13%]
    4:vmware-tools-core      ################################# [ 17%]
    5:vmware-tools-services  ################################# [ 22%]
vmware-tools-services start/running
    6:vmware-tools-plugins-au################################# [ 26%]
vmware-tools-services start/running
    7:vmware-tools-plugins-de################################# [ 30%]
vmware-tools-services start/running
    8:vmware-tools-plugins-gr################################# [ 35%]
vmware-tools-services start/running
    9:vmware-tools-plugins-gu################################# [ 39%]
vmware-tools-services start/running
   10:vmware-tools-plugins-hg################################# [ 43%]
vmware-tools-services start/running
   11:vmware-tools-plugins-po################################# [ 48%]
vmware-tools-services start/running
   12:vmware-tools-plugins-ti################################# [ 52%]
vmware-tools-services start/running
   13:vmware-tools-plugins-vi################################# [ 57%]
vmware-tools-services start/running
   14:vmware-tools-plugins-vm################################# [ 61%]
vmware-tools-services start/running
   15:vmware-tools-vmci-commo################################# [ 65%]
   16:kmod-vmware-tools-vmci ################################# [ 70%]
vmci start/running
   17:vmware-tools-vmxnet-com################################# [ 74%]
   18:kmod-vmware-tools-vmxne################################# [ 78%]
   19:vmware-tools-vsock-comm################################# [ 83%]
   20:kmod-vmware-tools-vsock################################# [ 87%]
vsock start/running
   21:vmware-tools-esx-kmods ################################# [ 91%]
   22:vmware-tools-esx-nox   ################################# [ 96%]
   23:vmware-tools-guestsdk  ################################# [100%]

(Press <CR> to continue)
```

9. Status of installed tools can be viewed in WIPSADMIN→Manage→Status→Choose option 'p'

Zebra Technologies Confidential Restricted

```
192.168.11.31 - PuTTY

WIPS v9.1
Build: 9.1.3-10
Hotfixes: a8
VMtools: ESXi-5.5 Installed

Tasks: 296 total,   1 running, 295 sleeping,   0 stopped,   0 zombie

Health Monitor (pid 24943)                              [  RUNNING  ]
Action Manager (pid 24559)                              [  RUNNING  ]
RMI Registry (pid 24469)                                [  RUNNING  ]
Report Server (pid 24601)                               [  RUNNING  ]
Backup Server (pid 24522)                               [  RUNNING  ]
Schedule Server (pid 24643)                             [  RUNNING  ]
Device Management Server (pid 24685)                    [  RUNNING  ]
RF Modeling Engine (pid 24719)                          [  RUNNING  ]
Protocol Analysis Engine (pid 24338)                    [  RUNNING  ]
Forensic Server (pid 24443)                             [  RUNNING  ]
postmaster (pid  24238) is running...
Graphical User Interface (pid 24911)                    [  RUNNING  ]


(Press <CR> to return to previous menu)
```

10. Visit the vpshere client and verify the status of the vmware tools in summary tab of the ADSP VM. The status should be shown as "Running"

List of steps to be executed :

1. Putty(SSH) to ADSP server and login with smxmgr access

2. Uninstall vmtools . WIPSADMIN→Software→vmtools→uninstall→choose option 'yes'

3. Status of installed tools can be viewed in WIPSADMIN→Manage→Status→choose option 'p'

Zebra Technologies Confidential Restricted

4. Visit the vpshere client and verify the status of the vmware tools in summary tab of the ADSP VM

Zebra Technologies Confidential Restricted