



jeremy.meldrum — root@localhost:~ — ssh — 80x24



```
Last login: Tue Aug 6 14:16:15 on ttys001
LP-JMELDRUM:~ jeremy.meldrum$ ssh root@10.211.55.16
The authenticity of host '10.211.55.16 (10.211.55.16)' can't be established.
RSA key fingerprint is f7:30:e9:37:10:c6:61:f1:ff:38:80:c1:f8:69:bf:24.
Are you sure you want to continue connecting (yes/no)? yes
Warning: Permanently added '10.211.55.16' (RSA) to the list of known hosts.
root@10.211.55.16's password:
[root@localhost ~]# id
uid=0(root) gid=0(root) groups=0(root) context=unconfined_u:unconfined_r:unconfi
ned_t:s0-s0:c0.c1023
[root@localhost ~]# cd /
[root@localhost /]# cd /tmp
[root@localhost tmp]# cd /root
[root@localhost ~]# ls
anaconda-ks.cfg  post-install.log
post-install    venafi-agent-3.2.2-linux-x86.bundle
[root@localhost ~]# ./venafi-agent-3.2.2-linux-x86.bundle
```

Install Command





## 12.2 Survival

The parties agree that the rights and obligations set forth in the above-referenced Section 1 (Definitions), 3 (Ownership), 5 (Disclaimer of Other Warranties), 6 (Limitation of Liability), 7 (Term and Termination), 8 (Compliance with Laws), 11 (Governing Law; Arbitration), and 12 (General) shall survive the termination of this Agreement for any reason and enforcement thereof shall not be subject to any conditions precedent.

## 12.3 Assignment

This Agreement shall be binding upon and inure to the benefit of the parties' respective successors and permitted assigns. Licensee shall not assign this Agreement or any of its rights or obligations hereunder without the prior written consent of Venafi and any such attempted assignment shall be void. For purposes of the foregoing, a change in control of Licensee and an assignment by operation of law shall be deemed assignments for which consent is required.

For questions concerning this Agreement, please contact Venafi at 126 W. Sego Lily Drive, Suite 126, Sandy, Utah 84070 USA. For questions on product or technical matters, contact the nearest Venafi technical support center or a Venafi authorized reseller.

agent End User License Agreement: Enter "y|Y" to accept:

Accept Agreement





Other Warranties), 6 (Limitation of Liability), 7 (Term and Termination), 8 (Compliance with Laws), 11 (Governing Law; Arbitration), and 12 (General) shall survive the termination of this Agreement for any reason and enforcement thereof shall not be subject to any conditions precedent.

### 12.3 Assignment

This Agreement shall be binding upon and inure to the benefit of the parties? respective successors and permitted assigns. Licensee shall not assign this Agreement or any of its rights or obligations hereunder without the prior written consent of Venafi and any such attempted assignment shall be void. For purposes of the foregoing, a change in control of Licensee and an assignment by operation of law shall be deemed assignments for which consent is required.

For questions concerning this Agreement, please contact Venafi at 126 W. Sego Lily Drive, Suite 126, Sandy, Utah 84070 USA. For questions on product or technical matters, contact the nearest Venafi technical support center or a Venafi authorized reseller.

agent End User License Agreement: Enter "y|Y" to accept:

y

Installing agent

Venafi agent install completed. Agent is now installed

[root@localhost ~]# █

and enforcement thereof shall not be subject to any conditions precedent.

### 12.3 Assignment

This Agreement shall be binding upon and inure to the benefit of the parties? respective successors and permitted assigns. Licensee shall not assign this Agreement or any of its rights or obligations hereunder without the prior written consent of Venafi and any such attempted assignment shall be void. For purposes of the foregoing, a change in control of Licensee and an assignment by operation of law shall be deemed assignments for which consent is required.

For questions concerning this Agreement, please contact Venafi at 126 W. Sego Lily Drive, Suite 126, Sandy, Utah 84070 USA. For questions on product or technical matters, contact the nearest Venafi technical support center or a Venafi authorized reseller.

agent End User License Agreement: Enter "y|Y" to accept:

y

Installing agent

Venafi agent install completed.

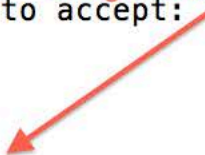
[root@localhost ~]# cd /opt/venafi/agent/bin/

[root@localhost bin]# ./vagent -V

-bash: ./vagent: /lib/ld-linux.so.2: bad ELF interpreter: No such file or directory

[root@localhost bin]#

Running the agent, you find out it won't run.  
You get a dependency error.



```
[root@localhost bin]# ./vagent -V
-bash: ./vagent: /lib/ld-linux.so.2: bad ELF interpreter: No such file or directory
[root@localhost bin]# yum resolvedep ld-linux.so.2
Loaded plugins: fastestmirror, refresh-packagekit, security
Determining fastest mirrors
 * base: mirrors.loosefoot.com
 * extras: mirrors.adams.net
 * updates: mirrors.usc.edu
0: glibc-2.12-1.107.el6_4.2.i686
[root@localhost bin]#
```

You then run the command to figure out what rpm needs to be installed to support 32 bit binaries.

This is the RPM that needs to be installed to Linux system

```
Determining fastest mirrors
* base: mirrors.loosefoot.com
* extras: mirrors.adams.net
* updates: mirrors.usc.edu
0:glibc-2.12-1.107.el6_4.2.i686
[root@localhost bin]# yum install libc-2.12-1.107.el6_4.2.i686
Loaded plugins: fastestmirror, refresh-packagekit, security
Loading mirror speeds from cached hostfile
* base: mirrors.loosefoot.com
* extras: mirrors.adams.net
* updates: mirrors.usc.edu
Setting up Install Process
Resolving Dependencies
--> Running transaction check
----> Package libc.i686 0:2.12-1.107.el6_4.2 will be installed
--> Processing Dependency: libc-common = 2.12-1.107.el6_4.2 for package: libc-2.12-1.107.e
l6_4.2.i686
--> Processing Dependency: libfreebl3.so(NSSRAWHASH_3.12.3) for package: libc-2.12-1.107.el
6_4.2.i686
--> Processing Dependency: libfreebl3.so for package: libc-2.12-1.107.el6_4.2.i686
--> Running transaction check
----> Package libc-common.x86_64 0:2.12-1.80.el6 will be updated
--> Processing Dependency: libc-common = 2.12-1.80.el6 for package: libc-2.12-1.80.el6.x86
_64
----> Package libc-common.x86_64 0:2.12-1.107.el6_4.2 will be an update
----> Package nss-softokn-freebl.i686 0:3.12.9-11.el6 will be installed
--> Running transaction check
----> Package libc.x86_64 0:2.12-1.80.el6 will be updated
--> Processing Dependency: libc = 2.12-1.80.el6 for package: nscd-2.12-1.80.el6.x86_64
----> Package libc.x86_64 0:2.12-1.107.el6_4.2 will be an update
--> Running transaction check
----> Package nscd.x86_64 0:2.12-1.80.el6 will be updated
----> Package nscd.x86_64 0:2.12-1.107.el6_4.2 will be an update
--> Finished Dependency Resolution
```

Dependencies Resolved

Package	Arch	Version	Repository	Size
Installing:				
libc	i686	2.12-1.107.el6_4.2	updates	4.3 M
Installing for dependencies:				
nss-softokn-freebl	i686	3.12.9-11.el6	base	116 k
Updating for dependencies:				
libc	x86_64	2.12-1.107.el6_4.2	updates	3.8 M
libc-common	x86_64	2.12-1.107.el6_4.2	updates	14 M
nscd	x86_64	2.12-1.107.el6_4.2	updates	212 k

Transaction Summary

```
Install      2 Package(s)
Upgrade     3 Package(s)
```

Total download size: 23 M  
Is this ok [y/N]:

Is this ok [y/N]: y

Downloading Packages:

(1/5): glibc-2.12-1.107.el6_4.2.i686.rpm	4.3 MB	00:01
(2/5): glibc-2.12-1.107.el6_4.2.x86_64.rpm	3.8 MB	00:01
(3/5): glibc-common-2.12-1.107.el6_4.2.x86_64.rpm	14 MB	00:05
(4/5): nscd-2.12-1.107.el6_4.2.x86_64.rpm	212 kB	00:00
(5/5): nss-softokn-freebl-3.12.9-11.el6.i686.rpm	116 kB	00:00

-----  
 Total 2.1 MB/s | 23 MB 00:10

warning: rpmts\_HdrFromFdno: Header V3 RSA/SHA1 Signature, key ID c105b9de: NOKEY

Retrieving key from file:///etc/pki/rpm-gpg/RPM-GPG-KEY-CentOS-6

Importing GPG key 0xC105B9DE:

  Userid : CentOS-6 Key (CentOS 6 Official Signing Key) <centos-6-key@centos.org>

  Package: centos-release-6-3.el6.centos.9.x86\_64 (@base/\$releasever)

  From : /etc/pki/rpm-gpg/RPM-GPG-KEY-CentOS-6

Is this ok [y/N]: y

Running rpm\_check\_debug

Running Transaction Test

Transaction Test Succeeded

Running Transaction

Updating	: glibc-2.12-1.107.el6_4.2.x86_64	1/8
Updating	: glibc-common-2.12-1.107.el6_4.2.x86_64	2/8
Updating	: nscd-2.12-1.107.el6_4.2.x86_64	3/8
Installing	: nss-softokn-freebl-3.12.9-11.el6.i686	4/8
Installing	: glibc-2.12-1.107.el6_4.2.i686	5/8
Cleanup	: nscd-2.12-1.80.el6.x86_64	6/8
Cleanup	: glibc-2.12-1.80.el6.x86_64	7/8
Cleanup	: glibc-common-2.12-1.80.el6.x86_64	8/8
Verifying	: glibc-2.12-1.107.el6_4.2.i686	1/8
Verifying	: glibc-common-2.12-1.107.el6_4.2.x86_64	2/8
Verifying	: glibc-2.12-1.107.el6_4.2.x86_64	3/8
Verifying	: nscd-2.12-1.107.el6_4.2.x86_64	4/8
Verifying	: nss-softokn-freebl-3.12.9-11.el6.i686	5/8
Verifying	: nscd-2.12-1.80.el6.x86_64	6/8
Verifying	: glibc-2.12-1.80.el6.x86_64	7/8
Verifying	: glibc-common-2.12-1.80.el6.x86_64	8/8

Installed:

  glibc.i686 0:2.12-1.107.el6\_4.2

Dependency Installed:

  nss-softokn-freebl.i686 0:3.12.9-11.el6

Dependency Updated:

  glibc.x86\_64 0:2.12-1.107.el6\_4.2

  glibc-common.x86\_64 0:2.12-1.107.el6\_4.2


  nscd.x86\_64 0:2.12-1.107.el6\_4.2

Complete!

[root@localhost bin]# █

jeremy.meldrum — root@localhost:/opt/venafi/agent/bin — ssh — 92×35

```
[root@localhost bin]# ./vagent -V  
./vagent: error while loading shared libraries: libuuid.so.1: cannot open shared object file  
: No such file or directory  
[root@localhost bin]# █
```





```
jeremy.meldrum — root@localhost:/opt/venafi/agent/bin — ssh — 92x35
[root@localhost bin]# ./vagent -V
./vagent: error while loading shared libraries: libuuid.so.1: cannot open shared object file
: No such file or directory
[root@localhost bin]# yum resolvedep libuuid.so.1
Loaded plugins: fastestmirror, refresh-packagekit, security
Loading mirror speeds from cached hostfile
 * base: mirrors.loosefoot.com
 * extras: mirrors.adams.net
 * updates: mirrors.usc.edu
0:libuuid-2.17.2-12.9.el6_4.3.i686
[root@localhost bin]#
```


Run the agent again to find out what the next library dependency is.

Run yum again to find out what dependency needs to be resolved.

This is the RPM that needs to be installed to resolve the dependency.

```
[root@localhost bin]# ./vagent -V
./vagent: error while loading shared libraries: libuuid.so.1: cannot open shared object file
: No such file or directory
[root@localhost bin]# yum resolvedep libuuid.so.1
Loaded plugins: fastestmirror, refresh-packagekit, security
Loading mirror speeds from cached hostfile
 * base: mirrors.loosefoot.com
 * extras: mirrors.adams.net
 * updates: mirrors.usc.edu
0:libuuid-2.17.2-12.9.el6_4.3.i686
[root@localhost bin]# yum install libuuid-2.17.2-12.9.el6_4.3.i686
Loaded plugins: fastestmirror, refresh-packagekit, security
Loading mirror speeds from cached hostfile
 * base: mirrors.loosefoot.com
 * extras: mirrors.adams.net
 * updates: mirrors.usc.edu
Setting up Install Process
Resolving Dependencies
--> Running transaction check
---> Package libuuid.i686 0:2.17.2-12.9.el6_4.3 will be installed
--> Finished Dependency Resolution
Error: Protected multilib versions: libuuid-2.17.2-12.9.el6_4.3.i686 != libuuid-2.17.2-12.7.
el6.x86_64
You could try using --skip-broken to work around the problem
You could try running: rpm -Va --nofiles --nodigest
[root@localhost bin]#
```

Install the dependency  
using yum.



```
Connection to 10.211.55.16 closed.
LP-JMELDRUM:~ jeremy.meldrum$ ssh root@10.211.55.16
root@10.211.55.16's password:
Last login: Tue Aug  6 15:35:42 2013 from 10.211.55.2
[root@localhost ~]# cd /opt/venafi/agent/bin/
[root@localhost bin]# ./vagent -V
./vagent: error while loading shared libraries: libuuid.so.1: cannot open shared object file
: No such file or directory
[root@localhost bin]# yum resolvedep libuuid.so.1
Loaded plugins: fastestmirror, refresh-packagekit, security
Loading mirror speeds from cached hostfile
 * base: mirrors.loosefoot.com
 * extras: mirrors.adams.net
 * updates: mirrors.usc.edu
0:libuuid-2.17.2-12.9.el6_4.3.i686
[root@localhost bin]# yum install libuuid-2.17.2-12.9.el6_4.3.i686
Loaded plugins: fastestmirror, refresh-packagekit, security
Loading mirror speeds from cached hostfile
 * base: mirrors.loosefoot.com
 * extras: mirrors.adams.net
 * updates: mirrors.usc.edu
Setting up Install Process
Resolving Dependencies
--> Running transaction check
---> Package libuuid.i686 0:2.17.2-12.9.el6_4.3 will be installed
--> Finished Dependency Resolution

Dependencies Resolved

=====
Package                Arch          Version                Repository            Size
=====
Installing:
libuuid                i686          2.17.2-12.9.el6_4.3    updates                68 k

Transaction Summary
=====
Install                1 Package(s)

Total download size: 68 k
Installed size: 15 k
Is this ok [y/N]: █
```

```
[root@localhost bin]# ./vagent -V
./vagent: error while loading shared libraries: libuuid.so.1: cannot open shared object file
: No such file or directory
```

```
[root@localhost bin]# yum resolvedep libuuid.so.1
Loaded plugins: fastestmirror, refresh-packagekit, security
Loading mirror speeds from cached hostfile
* base: mirrors.loosefoot.com
* extras: mirrors.adams.net
* updates: mirrors.usc.edu
0:libuuid-2.17.2-12.9.el6_4.3.i686
```

```
[root@localhost bin]# yum install libuuid-2.17.2-12.9.el6_4.3.i686
Loaded plugins: fastestmirror, refresh-packagekit, security
Loading mirror speeds from cached hostfile
* base: mirrors.loosefoot.com
* extras: mirrors.adams.net
* updates: mirrors.usc.edu
Setting up Install Process
Resolving Dependencies
--> Running transaction check
---> Package libuuid.i686 0:2.17.2-12.9.el6_4.3 will be installed
--> Finished Dependency Resolution
```

Dependencies Resolved

Package	Arch	Version	Repository	Size
Installing:				
libuuid	i686	2.17.2-12.9.el6_4.3	updates	68 k

Transaction Summary

Install 1 Package(s)

Total download size: 68 k

Installed size: 15 k

Is this ok [y/N]: y

Downloading Packages:

libuuid-2.17.2-12.9.el6\_4.3.i686.rpm | 68 kB 00:00

Running rpm\_check\_debug

Running Transaction Test

Transaction Test Succeeded

Running Transaction

Installing : libuuid-2.17.2-12.9.el6\_4.3.i686 1/1

Verifying : libuuid-2.17.2-12.9.el6\_4.3.i686 1/1

Installed:

libuuid.i686 0:2.17.2-12.9.el6\_4.3

Complete!

[root@localhost bin]#

```
[root@localhost bin]# ./vagent -V
```

```
Venafi Agent v3.2.0-43858  
  Architecture: 32-bit  
  Root path: /opt/venafi/agent  
  Binary path: /opt/venafi/agent/bin  
  Library path: /opt/venafi/agent/lib  
  Drivers path: /opt/venafi/agent/lib/drivers  
  Database path: /var/opt/venafi/agent/data  
  Temporary path: /var/opt/venafi/agent
```

Run agent again to see if there are any additional dependencies.

```
Venafi Agent Loader Library v3.2.2-53118
```

```
Venafi C Portable Runtime Library v3.2.2-53106
```

```
Venafi Agent Config Library v3.2.2-53150
```

```
Venafi Agent Library v3.2.2-53162
```

```
Module(s)
```

```
  VED Agent KeyStore Scanner Library (ksscanner) v3.2.1-53146
```

```
  VED Agent SSH Scanner Library (sshscanner) v3.2.1-53146
```

```
Venafi Agent Product Version: 3.2.2
```

```
Venafi Agent GUID: Not set
```

```
libgcc_s.so.1 must be installed for pthread_cancel to work
```

```
Aborted (core dumped)
```

```
[root@localhost bin]#
```

Here is the additional dependency.

```
[root@localhost bin]# ./vagent -V
Venafi Agent v3.2.0-43858
  Architecture: 32-bit
  Root path: /opt/venafi/agent
  Binary path: /opt/venafi/agent/bin
  Library path: /opt/venafi/agent/lib
  Drivers path: /opt/venafi/agent/lib/drivers
  Database path: /var/opt/venafi/agent/data
  Temporary path: /var/opt/venafi/agent

Venafi Agent Loader Library v3.2.2-53118

Venafi C Portable Runtime Library v3.2.2-53106

Venafi Agent Config Library v3.2.2-53150

Venafi Agent Library v3.2.2-53162
  Module(s)
  VED Agent KeyStore Scanner Library (ksscanner) v3.2.1-53146
  VED Agent SSH Scanner Library (sshscanner) v3.2.1-53146

Venafi Agent Product Version: 3.2.2
Venafi Agent GUID: Not set
libgcc_s.so.1 must be installed for pthread_cancel to work
Aborted (core dumped)
[root@localhost bin]# yum resolvedep libgcc_s.so.1
Loaded plugins: fastestmirror, refresh-packagekit, security
Loading mirror speeds from cached hostfile
 * base: mirrors.loosefoot.com
 * extras: mirrors.adams.net
 * updates: mirrors.usc.edu
0:libgcc-4.4.7-3.el6.i686
[root@localhost bin]# yum install libgcc-4.4.7-3.el6.i686
```

Run yum to find out what RPM to install to resolve the dependency.

Run yum to install the rpm.

```
[root@localhost bin]# yum resolvedep libgcc_s.so.1
Loaded plugins: fastestmirror, refresh-packagekit, security
Loading mirror speeds from cached hostfile
 * base: mirrors.loosefoot.com
 * extras: mirrors.adams.net
 * updates: mirrors.usc.edu
0:libgcc-4.4.7-3.el6.i686
[root@localhost bin]# yum install libgcc-4.4.7-3.el6.i686
Loaded plugins: fastestmirror, refresh-packagekit, security
Loading mirror speeds from cached hostfile
 * base: mirrors.loosefoot.com
 * extras: mirrors.adams.net
 * updates: mirrors.usc.edu
Setting up Install Process
Resolving Dependencies
--> Running transaction check
---> Package libgcc.i686 0:4.4.7-3.el6 will be installed
--> Finished Dependency Resolution
```

Dependencies Resolved

```
=====
```

Package	Arch	Version	Repository	Size
Installing:				
libgcc	i686	4.4.7-3.el6	base	112 k

```
=====
```

Transaction Summary

```
=====
```

Install	1 Package(s)		
---------	--------------	--	--

```
=====
```

Total download size: 112 k  
 Installed size: 144 k  
 Is this ok [y/N]: y  
 Downloading Packages:  
 libgcc-4.4.7-3.el6.i686.rpm | 112 kB 00:00  
 Running rpm\_check\_debug  
 Running Transaction Test  
 Transaction Test Succeeded  
 Running Transaction

Installing	: libgcc-4.4.7-3.el6.i686	1/1
Verifying	: libgcc-4.4.7-3.el6.i686	1/1

Installed:  
 libgcc.i686 0:4.4.7-3.el6

Complete!  
 [root@localhost bin]# █

```
[root@localhost bin]# ./vagent -V
Venafi Agent v3.2.0-43858
  Architecture: 32-bit
  Root path: /opt/venafi/agent
  Binary path: /opt/venafi/agent/bin
  Library path: /opt/venafi/agent/lib
  Drivers path: /opt/venafi/agent/lib/drivers
  Database path: /var/opt/venafi/agent/data
  Temporary path: /var/opt/venafi/agent

Venafi Agent Loader Library v3.2.2-53118

Venafi C Portable Runtime Library v3.2.2-53106

Venafi Agent Config Library v3.2.2-53150

Venafi Agent Library v3.2.2-53162
  Module(s)
  VED Agent KeyStore Scanner Library (ksscanner) v3.2.1-53146
  VED Agent SSH Scanner Library (sshscanner) v3.2.1-53146

Venafi Agent Product Version: 3.2.2
Venafi Agent GUID: Not set
[root@localhost bin]#
```

The agent is now installed.