

OpenVMS and OpenSource

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OpenVMS Installation

KVM/Qemu

Network card:

Click the field that shows e1000e and delete the e at the end, so that only e1000 remains.

virsh console <name> – system console

Documentation:

OpenVMS Installation Guide for VMS 9.2-1 Chapter 2.2

OpenSSH

VSI X86VMS SSL111 V1.1-1N

VSI X86VMS OPENSSSH V8.9-1B

```
$ @sys$common:[openssh.bin]ssh$create_account.com
```

```
$ @sys$common:[openssh.bin]ssh$create_startup_file.com
```

```
$ @sys$common:[openssh.bin]ssh$generate_keys.com
```

```
$ @sys$common:[openssh.bin]ssh$install_info.com
```

OpenSSH V3

Will not be installed per default

can be installed from installation media

[KITS.SSL3]

needed for most of the following OpenSource SW

however in terms of long-term support, 3.0.x is the main stream

Pearl 5.34

Add to SYLOGIN.COM

```
@sys$common:[perl-5_34]perl_setup.com
```

CURL 8.0

To start cURL at system boot time, add the following lines to
SYS\$MANAGER:SYSTARTUP_VMS.COM:

```
$ file := SYS$STARTUP:CURL$STARTUP.COM  
$ if f$search("file") .nes. "" then @'file'
```

To stop cURL at system shutdown, add the following lines
to
SYS\$MANAGER:SYSHUTDOWN.COM:

```
$ file := SYS$STARTUP:CURL$SHUTDOWN.COM  
$ if f$search("file") .nes. "" then @'file'
```

OPENJDK 8

@SYS\$STARTUP:OPENJDK\$SETUP.COM

we are planning to start looking at porting a later version of OpenJDK
most likely OpenJDK 17

OpenLDAP

VSI X86VMS LDAP V2.6-6: LDAP for OpenVMS X86 V2.6-6 (Based on OpenLDAP 2.6.6)

Insert the following lines in SYS\$MANAGER:SYSTARTUP_VMS.COM:

```
@SYS$STARTUP:LDAP$DEFINE_LOGICALS.COM
```

Insert the following lines in SYS\$MANAGER:SYSHUTDOWN.COM:

```
@SYS$STARTUP:LDAP$DEASSIGN_LOGICALS.COM
```


SAMBA / CIFS

1. This procedure is running on a x86_64 processor.
2. The system is running OpenVMS version V9.2-1 or later.
3. SSL3 x86_64 installed version V3.0.8 or later.
4. LDAP x86_64 installed version V2.6.3 or later.
5. All required privileges are currently enabled.
6. No CIFS or SAMBA images are running on this node.
7. ODS5 filesystem only.
8. SYSGEN Parameter values:

SAMBA / CIFS

Parameter	Minimum Required
CHANNELCNT	2560
PROCSECTCNT	512
PQL_DPGFLQUOTA	256000

The OpenVMS SAMBA installation creates five OpenVMS accounts: SAMBA\$SMBD, SAMBA\$NMBD, SAMBA\$GUEST, SAMBA\$TMPLT and SMBADMIN.

ZEROMQ

To start ZeroMQ at system boot time, add the following lines to
SYS\$MANAGER:SYSTARTUP_VMS.COM:

```
$ file := SYS$STARTUP:ZMQ$STARTUP.COM  
$ if f$search("file") .nes. "" then '@file'
```

To stop ZeroMQ at system shutdown, add the following lines
to

SYS\$MANAGER:SYSHUTDOWN.COM:

```
$ file := SYS$STARTUP:ZMQ$SHUTDOWN.COM  
$ if f$search("file") .nes. "" then '@file'
```

TOMCAT

Tomcat V8.5.89 uses OPENJDK 8.0

```
$ file := SYS$STARTUP:TOMCAT$STARTUP.COM
```

```
$ if f$search("file") .nes. "" then @'file'
```

```
$ file := SYS$STARTUP:TOMCAT$SHUTDOWN.COM
```

```
$ if f$search("file") .nes. "" then @'file'
```

Change tomcat\$root:[000000...] to tomcat\$user account

STUNNEL V5.56-0BA

```
$ file := SYS$STARTUP:STUNNEL$STARTUP.COM
```

```
$ if f$search("file") .nes. "" then '@file'
```

```
$ file := SYS$STARTUP:STUNNEL$SHUTDOWN.COM
```

```
$ if f$search("file") .nes. "" then '@file'
```

```
configuration file STUNNEL$ROOT:[ETC]STUNNEL.CONF
```

ANT V1.7-1C

```
$ DEFINE ANT$HOME <ANT Installation Directory>
```

```
$ ANT ::= @<ANT Installation Directory>.BIN]ANT.COM
```

```
$ ant "-version" ! must quote DCL params
```

LIBRABBITMQ V2.7-0

```
$ file := SYS$STARTUP:LIBRABBITMQ$STARTUP.COM
```

```
$ if f$search("file") .nes. "" then '@file'
```

```
$ file := SYS$STARTUP:LIBRABBITMQ$SHUTDOWN.COM
```

```
$ if f$search("file") .nes. "" then '@file'
```

REDIS V6.2-1

```
$ file := SYS$STARTUP:REDIS$STARTUP.COM
```

```
$ if f$search("file") .nes. "" then '@file'
```

```
$ file := SYS$STARTUP:REDIS$SHUTDOWN.COM
```

```
$ if f$search("file") .nes. "" then '@file'
```


LUA V5.3-5D

```
$ file := SYS$STARTUP:LUA$STARTUP.COM
```

```
$ if f$search("file") .nes. "" then '@file'
```

```
$ file := SYS$STARTUP:LUA$SHUTDOWN.COM
```

```
$ if f$search("file") .nes. "" then '@file'
```

CIVETWEB V1.17-0

```
$ file := SYS$STARTUP:CIVETWEB$STARTUP.COM
```

```
$ if f$search("file") .nes. "" then '@file'
```

```
$ file := SYS$STARTUP:CIVETWEB$SHUTDOWN.COM
```

```
$ if f$search("file") .nes. "" then '@file'
```

Use a specific User for civetweb\$root:[000000...]

WEBUI V4.1-1

Update civetweb\$root:[conf]civetweb.conf

Update civetweb\$root:[conf]services.conf

\$ @SYS\$STARTUP:WEBUI\$RESTART.COM

HAPROXY V1.7-9A

- Add the following lines to SYS\$MANAGER:SYSTARTUP_VMS.COM

```
$ file := SYS$STARTUP:HAPROXY$STARTUP.COM
$ if f$search("file") .nes. "" then @'file'
```
- add the following lines to SYS\$MANAGER:SYSHUTDOWN.COM:

```
$ file := SYS$STARTUP:HAPROXY$SHUTDOWN.COM
$ if f$search("file") .nes. "" then @'file'
```

XERCES_C V4.0-0

- add the following lines to SYS\$MANAGER:SYSTARTUP_VMS.COM:

```
$ file := SYS$STARTUP:XERCES-C$STARTUP.COM
```

```
$ if f$search("file") .nes. "" then '@file'
```

- add the following lines to SYS\$MANAGER:SYSHUTDOWN.COM:

```
$ file := SYS$STARTUP:XERCES-C$SHUTDOWN.COM
```

```
$ if f$search("file") .nes. "" then '@file'
```

GSOAP V2.8-129

- Add the following lines to SYS\$MANAGER:SYSTARTUP_VMS.COM:

```
$ file := SYS$STARTUP:GSOAP$STARTUP.COM
```

```
$ if f$search("file") .nes. "" then '@file'
```

- add the following lines to SYS\$MANAGER:SYSHUTDOWN.COM:

```
$ file := SYS$STARTUP:GSOAP$SHUTDOWN.COM
```

```
$ if f$search("file") .nes. "" then '@file'
```

-

MOSQUITTO V2.0-14

- add the following lines to SYS\$MANAGER:SYSTARTUP_VMS.COM:
\$ file := SYS\$STARTUP:MOSQUITTO\$STARTUP.COM
\$ if f\$search("file") .nes. "" then @'file'
- add the following lines to SYS\$MANAGER:SYSHUTDOWN.COM:
\$ file := SYS\$STARTUP:MOSQUITTO\$SHUTDOWN.COM
\$ if f\$search("file") .nes. "" then @'file'

APACHEWS V2.4-58

```
$ @SYS$MANAGER:APACHE$CONFIG
```

```
$ @APACHE$COMMON[OPENSSL.COM]OPENSSL_AUTO_CERT.COM
```

uncomment the following directive in the APACHE\$COMMON:
[CONF]HTTPD.CONF

```
Include /apache$root/conf/ssl.conf
```


APACHEWS V2.4-58

- adding the following lines to SYS\$MANAGER:SYSTARTUP_VMS.COM:

```
$ file := SYS$STARTUP:APACHE$STARTUP.COM
```

```
$ if f$search("file") .nes. "" then @'file'
```

- adding the following lines to SYS\$MANAGER:SYSHUTDOWN.COM:

```
$ file := SYS$STARTUP:APACHE$SHUTDOWN.COM
```

```
$ if f$search("file") .nes. "" then @'file'
```

GNV

Currently not for X86_64 available

But:

We do in fact have a clean build, but not all components are yet working correctly, so there's still a bit of work to be done there.

resources

<https://vmssoftware.com/products/list/>

Each of the above mentioned kits have releasenotes and links to the product itself

Further information about the products:

<https://en.wikipedia.org>

- Confused ?