思科安全终端Linux初级版

目录

简介

以下是思科安全终端Linux连接器的一些基本信息和一般概述。

系统要求

支持以下操作系统： 思科安全终端Linux连接器操作系统兼容性

- 安全终端连接器的适当运行至少需要1.5 GB的可用硬盘空间。

网络连接要求

请参 阅Required-Server-Addresses-for-Advanced-Malware-Protection-AMP

安装

在CentOS版本6.4上成功本地安装的结果（最终版）

/var/log/messages

```
Mar  3 14:47:34 vmc stabulic: cisco-amp: starting rpm pre scriptlet (1)
Mar  3 14:47:34 vmc stabulic: cisco-amp: rpm pre scriptlet done
Mar  3 14:47:35 vmc stabulic: cisco-amp: starting rpm post scriptlet (1)
Mar  3 14:47:35 vmc stabulic: cisco-amp: skip installing redirfs since it is already installed
Mar  3 14:47:35 vmc stabulic: Mar 03 14:47:35 vmc AMPInstaller[2107]: Info: executing post
Mar  3 14:47:35 vmc stabulic: Mar 03 14:47:35 vmc AMPInstaller[2107]: Info: sending event
Mar  3 14:47:35 vmc ampinsthelper: Set minimum reported log level to error
Mar  3 14:47:36 vmc ampinsthelper: Shutdown file logger for module:ampsupport
Mar  3 14:47:36 vmc stabulic: Mar 03 14:47:36 vmc AMPInstaller[2107]: Info: event sent
Mar  3 14:47:36 vmc stabulic: Mar 03 14:47:36 vmc AMPInstaller[2107]: Info: starting connector
Mar  3 14:47:36 vmc kernel: Kernel logging (proc) stopped.
Mar  3 14:47:36 vmc rsyslogd: [origin software="rsyslogd" swVersion="5.8.10" x-pid="1133" x-
info="http://www.rsyslog.com"] exiting on signal 15.
Mar  3 14:47:37 vmc kernel: imklog 5.8.10, log source = /proc/kmsg started.
Mar  3 14:47:37 vmc rsyslogd: [origin software="rsyslogd" swVersion="5.8.10" x-pid="2136" x-
info="http://www.rsyslog.com"] start
Mar  3 14:47:37 vmc init: /etc/init.conf: Unable to load configuration: No such file or
directory
Mar  3 14:47:37 vmc init: cisco-amp pre-start: redirfs already loaded
Mar  3 14:47:37 vmc init: cisco-amp pre-start: loading avflt
Mar  3 14:47:37 vmc kernel: Cisco Anti-Virus Filter for the RedirFS Framework 1.0. Based on
RedirFS AVFlt 0.6 <www.redirfs.org>
Mar  3 14:47:37 vmc init: cisco-amp pre-start: avflt loaded
Mar  3 14:47:37 vmc init: cisco-amp pre-start: loading ampnetworkflow
Mar  3 14:47:37 vmc init: cisco-amp pre-start: ampnetworkflow loaded
Mar  3 14:47:37 vmc init: cisco-amp pre-start: done
Mar  3 14:47:37 vmc ampdaemon: Set minimum reported log level to notice
Mar  3 14:47:37 vmc stabulic: Mar 03 14:47:37 vmc AMPInstaller[2107]: Info: connector started
Mar  3 14:47:37 vmc stabulic: cisco-amp: rpm post scriptlet done
Mar  3 14:47:37 vmc yum[1995]: Installed: ciscoampconnector-1.0.0.184-1.el6.x86_64[root@vmc
cisco]# ps aux | grep -i amp root        825  0.0  1.1 203376 11532 ?        Ssl  13:47   0:00
/opt/cisco/amp/bin/ampmon -addr=
root       2166  0.0  0.0      0     0 ?        S    14:47   0:00 [csco_amp_msg_wq]
root       2167  0.0  0.0      0     0 ?        S    14:47   0:00 [csco_amp_prc_wq]
root       2170  1.4  3.7 814824 37540 ?        Ssl  14:47   0:02 /opt/cisco/amp/bin/ampdaemon
root       2264  0.0  0.0 103240   884 pts/0    S+   14:50   0:00 grep -i amp
```

```
[root@vmc amp]# lsof -p 825 COMMAND PID USER   FD   TYPE DEVICE SIZE/OFF   NODE NAME
ampmon  825 root  cwd    DIR  253,0     4096      2 /
ampmon  825 root  rtd    DIR  253,0     4096      2 /
ampmon  825 root  txt    REG  253,0  6775183 262792 /opt/cisco/amp/bin/ampmon (deleted)
ampmon  825 root  mem    REG  253,0  1921216 654097 /lib64/libc-2.12.so
ampmon  825 root  mem    REG  253,0   142640 654121 /lib64/libpthread-2.12.so
ampmon  825 root  mem    REG  253,0   154664 654085 /lib64/ld-2.12.so
ampmon  825 root    0u   CHR    1,3      0t0   4418 /dev/null
ampmon  825 root    1u   CHR    1,3      0t0   4418 /dev/null
ampmon  825 root    2u   CHR    1,3      0t0   4418 /dev/null
ampmon  825 root    3r   REG  253,0    26555 393043 /var/log/cisco/ampdaemon.log (deleted)
ampmon  825 root    5r   DIR   0,10        0      1 inotify
ampmon  825 root    6w   REG  253,0     1508 393591 /var/log/cisco/ampmon.log[root@vmc amp]#
lsof -p 2170 COMMAND    PID USER   FD   TYPE             DEVICE SIZE/OFF   NODE NAME
ampdaemon 2170 root  cwd    DIR              253,0     4096      2 /
ampdaemon 2170 root  rtd    DIR              253,0     4096      2 /
ampdaemon 2170 root  txt    REG              253,0  7717228 262795 /opt/cisco/amp/bin/ampdaemon
ampdaemon 2170 root  mem    REG              253,0    27424 654111 /lib64/libnss_dns-2.12.so
ampdaemon 2170 root  mem    REG              253,0    65928 654113 /lib64/libnss_files-2.12.so
ampdaemon 2170 root  mem    REG              253,0  1921216 654097 /lib64/libc-2.12.so
ampdaemon 2170 root  mem    REG              253,0    67592 654184 /lib64/libbz2.so.1.0.4
ampdaemon 2170 root  mem    REG              253,0   110960 654123 /lib64/libresolv-2.12.so
ampdaemon 2170 root  mem    REG              253,0   596272 654105 /lib64/libm-2.12.so
ampdaemon 2170 root  mem    REG              253,0   142640 654121 /lib64/libpthread-2.12.so
ampdaemon 2170 root  mem    REG              253,0    16304 654201 /lib64/libuuid.so.1.3.0
ampdaemon 2170 root  mem    REG              253,0    19536 654103 /lib64/libdl-2.12.so
ampdaemon 2170 root  mem    REG              253,0    43880 654125 /lib64/librt-2.12.so
ampdaemon 2170 root  mem    REG              253,0    88600 654152 /lib64/libz.so.1.2.3
ampdaemon 2170 root  mem    REG              253,0   206672 654199 /lib64/libidn.so.11.6.1
ampdaemon 2170 root  mem    REG              253,0   154664 654085 /lib64/ld-2.12.so
ampdaemon 2170 root    0u   CHR                1,3      0t0   4418 /dev/null
ampdaemon 2170 root    1u   CHR                1,3      0t0   4418 /dev/null
ampdaemon 2170 root    2u   CHR                1,3      0t0   4418 /dev/null
ampdaemon 2170 root    3u  unix 0xffff88003d8e1c80      0t0  17076 socket
ampdaemon 2170 root    4w   REG              253,0     1871 393045 /var/log/cisco/ampdaemon.log
ampdaemon 2170 root    5r   CHR                1,9      0t0   4423 /dev/urandom
ampdaemon 2170 root    6u   REG              253,0    46080 262812
/opt/cisco/amp/etc/cloud_query.cache
ampdaemon 2170 root    7u   REG              253,0     2048 262813 /opt/cisco/amp/etc/events.db
ampdaemon 2170 root    8u  sock                0,6      0t0  17096 can't identify protocol
ampdaemon 2170 root    9r  FIFO                0,8      0t0  17118 pipe
ampdaemon 2170 root   10w  FIFO                0,8      0t0  17118 pipe
ampdaemon 2170 root   11r   REG                0,3        0  17119 /proc/2170/mounts
ampdaemon 2170 root   12u   CHR              248,0      0t0  17062 /dev/ampavflt
ampdaemon 2170 root   13u   REG              253,0     8192 262819
/opt/cisco/amp/etc/quarantine/quarantine.db
ampdaemon 2170 root   14u   REG              253,0    27648 262844
/opt/cisco/amp/etc/quarantine/retrospective.db
ampdaemon 2170 root   15u  unix 0xffff88003b5503c0      0t0  17121 /var/run/sfampd
ampdaemon 2170 root   17r  IPv4              17549      0t0    TCP 172.16.168.139:48668->ec2-46-
51-181-139.eu-west-1.compute.amazonaws.com:https (ESTABLISHED)
ampdaemon 2170 root   18r  IPv4              17182      0t0    TCP 172.16.168.139:49661->ec2-52-
16-63-115.eu-west-1.compute.amazonaws.com:https (CLOSE_WAIT)
ampdaemon 2170 root   19u  sock                0,6      0t0  17194 can't identify protocol
root@vmc cisco]# ls -al /var/log/cisco/ total 16
drwxr-xr-x. 2 root root 4096 Mar  3 14:47 .
drwxr-xr-x. 4 root root 4096 Mar  3 14:47 ..
-rw-------. 1 root root    0 Mar  3 14:47 ampcli.log
-rw-------. 1 root root 1871 Mar  3 14:47 ampdaemon.log
-rw-------. 1 root root    0 Mar  3 14:47 ampinstaller.log
-rw-------. 1 root root 1256 Mar  3 14:50 ampmon.logbinaries in /opt/cisco/amp/bin/
[root@vmc ~]# initctl start cisco-amp
cisco-amp start/running, process 1567
[root@vmc ~]# /opt/cisco/amp/bin/ampcli status
```

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[logger] Set minimum reported log level to notice
Trying to connect...
Connected.
Status: Connected
Scan: Ready for scan
Last Scan: 2016-05-02 08:01 PM
Policy: Protect Policy for FireAMP Linux (#446)
[root@vmc ~]# initctl stop cisco-amp
cisco-amp stop/waiting
```

在rhel 6上禁用amp服务

initctl stop cisco-amp
mv /etc/init/cisco-amp.conf /etc/init/cisco-amp.conf.disabled
mv /etc/init/cisco-ampupdater.conf /etc/init/cisco-ampupdater.conf.disabled
chmod -x /etc/cron.hourly/cisco-ampupdater.cron

连接器策略

客户将看到在其思科安全控制台策略列表中自动创建的2个策略。
思科安全终端Linux连接器的审计策略
思科安全终端Linux连接器保护策略
两个策略之间的唯一区别是文件判定模式
文件 — >模式 — >文件确认
审核 — 审核
保护 — 隔离
客户可以编辑这些策略、复制配置策略或完全创建新策略。
与其他连接器的主要配置差异
无客户端用户界面配置
仅通信端口443
File -> Mode -> On Execute Mode仅为“被动”
Network -> DFC -> Detection Action is “Audit” Only（仅审核）

策略 — 文件模式
执行模式

不允许“活动”模式，该模式可能导致性能极度降低。 在“被动”模式下，允许在确定处置时执行 — 如果处置是恶意的，则进程终止。

最大扫描文件大小 — 5 MB
最大扫描存档大小 — 50 MB
注意：这些大小在将来可能会改变。这些大小与Mac/OSX策略设置相同。

策略 — DFC（设备流关联）
检测操作默认为“审核”，不可配置。当检测到网络时，将生成DFC事件，但此时不会终止网络流。这是设计的

策略 — 脱机引擎
ClamAV
ClamAV是与Linux连接器集成的离线引擎 — 默认情况下启用。
总而言之，这意味着需要约200 MB的磁盘空间用于安装，并且可用，以确保有足够的空间用于ClamAV定义。

当前功能不可用

TETRA

没有TETRA引擎，因为它只适用于Windows。

SPERO和精神

SPERO和Ethos引擎也仅适用于Windows文件，不在Linux连接器中实施。

在AMP云中，来自这些引擎的情报将转换为1:1匹配项 — Linux连接器将覆盖这些引擎，因为1:1用于完成大量繁重的工作。

常见问题:

Linux?

ALinux

VPC 2.4.1 MacLinux

ALinuxLinuxLinux