



Prime Network Log Files

The following topics describe the logs maintained by Prime Network, and the overall logging mechanism and configurable points:

- [How Prime Network Saves Log Files and How You Can Adjust It, page C-1](#)
- [Log Files Reference, page C-3](#)

How Prime Network Saves Log Files and How You Can Adjust It

Each Prime Network module writes a log file to its own folder within the *NETWORKHOME/Main/logs* folder. Log sizes are limited to 4 MB by default. When a log file reaches its maximum size, Prime Network does the following:

- Zips the log file and appends a number to the backup file.
- Starts a new log file.

In the following example, the oldest file is `process.log.2.gz`, and `process.log` is the current log file.

11:42 PM	4,481,607	<code>process.out</code>
07:22 AM	5,120,447	<code>process.out.1.gz</code>
03:17 AM	5,120,105	<code>process.out.2.gz</code>

When `process.log` exceeds the maximum size, the following happens:

- The contents of `process.out.2.gz` are moved to `process.log.3.gz`.
- The contents of `process.out.1.gz` are moved to `process.log.2.gz`.
- The contents of `process.out` are moved to `process.log.1.gz`.
- A new log file is started (`process.log`).

Prime Network saves a maximum of 10 log files for each process. When the number of backups exceeds 10, the oldest file is deleted.

You can change the maximum log file size and the maximum number of backup log files by following the procedure in [Changing How Many Logs Are Saved, page C-2](#).

For a complete list of log files, see [Log Files Reference, page C-3](#).

Log Files and Server Restarts

Whenever the Prime Network server is restarted, all log files are moved to *NETWORKHOME/Main/logs/old*.

Prime Network saves a maximum of 3 “older” sets of log files in these directories:

```
NETWORKHOME/Main/logs/old
NETWORKHOME/Main/logs/older
NETWORKHOME/Main/logs/oldest
```

For example, if a newly-installed Prime Network gateway server has been restarted once, the following happens:

- The contents in *NETWORKHOME/Main/logs* are moved to *NETWORKHOME/Main/logs/old*.
- The latest log files are stored in *NETWORKHOME/Main/logs*.

If the gateway server is restarted a second time, the following happens:

- The contents in *NETWORKHOME/Main/logs/older* are moved to *NETWORKHOME/Main/logs/oldest*.
- The contents in *NETWORKHOME/Main/logs/old* are moved to *NETWORKHOME/Main/logs/older*.
- The latest log files are stored in *NETWORKHOME/Main/logs*.

For a complete list of log files, see [Log Files Reference, page C-3](#).

Changing How Many Logs Are Saved

Log file behavior is managed by the settings in *NETWORKHOME/Main/scripts/log.pl*. To change the number of log files that are saved, or to change the maximum log size, change the following settings in *log.pl*:

```
$LASTLOGINDEX = 10;           # max file index to backup.
$MAXSIZE = 1024*1024*4;      # max file size - hitting that size will cause rollover
```

You must restart the gateway server for your changes to take effect.

For a complete list of log files, see [Log Files Reference, page C-3](#).

Configuring or Disabling Session Log Trace Files

You can configure the location in which the Session Log Trace file is saved, and also disable the Session Trace Log using the *runRegTool* command.

To Configure Log Trace Output location:

```
./runRegTool.sh -gs localhost add 0.0.0.0 site/mmvm/services/sessionmanager/trace
./runRegTool.sh -gs localhost set 0.0.0.0
site/mmvm/services/sessionmanager/trace/output-location aroktrace/tempfolder
```

To Disable Session Trace file creation:

```
./runRegTool.sh -gs localhost add 0.0.0.0 site/session-trace
./runRegTool.sh -gs localhost set 0.0.0.0 site/session-trace/enable-trace false
```



Note

Restart *anactl* after running the *runRegTool* commands. If the trace location is customized, during *anactl* restart, the files in the customized folder will not be moved to a new folder by name “Old”.

Log Files Reference

Table C-1 lists the log files that are stored on the gateway server. You can view these files using any text editor. To view a log file for the VNE Customization Builder, you must first specify a log file name using the procedure documented in the *Cisco Prime Network 4.3.2 Customization Guide*.

Table C-1 Gateway Server Log Files

Gateway Server Log File	Component
<i>NETWORKHOME</i> /.replication	ADG gateway geographical redundancy—Logs local and remote timestamps used by GWSync
<i>NETWORKHOME</i> /.replication_remote	
<i>NETWORKHOME</i> /.replication_log	ADG gateway geographical redundancy—Logs when local and remote timestamps are more than 10 minutes apart
<i>NETWORKHOME</i> /Main/drivers/logs (directory)	VNE Device Package logs (installation, reinstallation, rollback)
<i>NETWORKHOME</i> /Main/ha/logs (directory)	Gateway server high availability logs
<i>NETWORKHOME</i> /Main/ha/RH_ha/logs	RHCS gateway high availability local redundancy log
<i>NETWORKHOME</i> /Main/logs/0.out	Switch Virtual Machine log (handles communication with unit servers)
<i>NETWORKHOME</i> /Main/logs/11.out	Gateway server log
<i>NETWORKHOME</i> /Main/logs/19.out	Auto-added AVMs log
<i>NETWORKHOME</i> /Main/logs/25.out	Event persistence log
<i>NETWORKHOME</i> /Main/logs/35.out	Gateway server (CE service discovery) log
<i>NETWORKHOME</i> /Main/logs/44.out	Operations Reports log
<i>NETWORKHOME</i> /Main/logs/45.out	Infobright database sync log (Operations Reports database in gateway high availability deployment)
<i>NETWORKHOME</i> /Main/logs/76.out	Jobs scheduler log
<i>NETWORKHOME</i> /Main/logs/77.out	Change and Configuration Management (CCM) log
<i>NETWORKHOME</i> /Main/logs/77_shutdown.log	CCM AVM shutdown log
<i>NETWORKHOME</i> /Main/logs/78.out	VNE topology log
<i>NETWORKHOME</i> /Main/logs/83.out	CCM TFTP server log
<i>NETWORKHOME</i> /Main/logs/84.out	Report manager log
<i>NETWORKHOME</i> /Main/logs/99.out	Management Virtual Machine log (unit server management)
<i>NETWORKHOME</i> /Main/logs/100.out	Event Collector log
<i>NETWORKHOME</i> /Main/logs/ <i>nnn</i> .out	AVM log for user-created AVM <i>nnn</i>
<i>NETWORKHOME</i> /Main/logs/ <i>nnn</i> .hax	AVM restart log for user-created AVM <i>nnn</i> (<i>x</i> can be 1-5)
<i>NETWORKHOME</i> /Main/logs/cmctl.log	Compliance Manager log (AVM 41)
<i>NETWORKHOME</i> /Main/logs/dmctl.log	XMP server log

Table C-1 Gateway Server Log Files (continued)

Gateway Server Log File	Component
<i>NETWORKHOME/Main/logs/emdb</i> (directory)	Embedded Oracle database logs
<i>NETWORKHOME/Main/logs/haevents.log</i>	Unit server high availability events log
<i>NETWORKHOME/Main/logs/mvm.log</i>	System restart log
<i>NETWORKHOME/Main/logs/nccmDeviceMgr.log</i>	CCM BQL device manager log
<i>NETWORKHOME/Main/logs/old</i> (directory)	Logs from last session
<i>NETWORKHOME/Main/logs/older</i> (directory)	Logs from 2 sessions earlier
Command History <i>NETWORKHOME/Main/logs/oldest</i> (directory)	Logs from 3 sessions earlier
<i>NETWORKHOME/Main/logs/pari.log</i>	Compliance Manager Pari log
<i>NETWORKHOME/Main/logs/setup_xmp_nccm.log</i>	CCM installation log
<i>NETWORKHOME/Main/logs/vcb_cmr_errors_XXXXXXXXX¹</i>	VNE Customization Builder (VCB) MIB compilation error log
<i>NETWORKHOME/Main/logs/cb_cmr_files_date_time</i>	VCB MIB compilations dependencies log
<i>NETWORKHOME/Main/logs/vcb_cmr_logs_date_time</i>	VCB MIB compilation success log
<i>NETWORKHOME/Main/mvmcsh.log</i>	Used for debugging purposes
<i>NETWORKHOME/Main/network-conf-XXXXXXXXX.log¹</i>	Output of network-conf portion of installation session
<i>NETWORKHOME/oracle_monitoring.log</i>	ADG gateway geographical redundancy—Logs information on the Redo-apply log from standby server
<i>NETWORKHOME/XMP_Platform/logs/commandmgr.log</i>	Command Manager log
<i>NETWORKHOME/XMP_Platform/logs/ComplianceService.log</i>	Compliance Manager log
<i>NETWORKHOME/XMP_Platform/logs/ConfigArchive.log</i>	CCM Configuration Management log
<i>NETWORKHOME/XMP_Platform/logs/db_migration.log</i>	XMP database log
<i>NETWORKHOME/XMP_Platform/logs/existenceDiscovery.log</i>	XMP existence discovery log
<i>NETWORKHOME/XMP_Platform/logs/grouping-impl.log</i>	XMP grouping log
<i>NETWORKHOME/XMP_Platform/logs/JobManager.log</i>	Job Manager log file (for web GUI applications)
<i>NETWORKHOME/XMP_Platform/logs/localhost_access_log.yyyy-mm-d d.txt</i>	XMP server access log
<i>NETWORKHOME/XMP_Platform/logs/lockmanager.log</i>	XMP lock manager log
<i>NETWORKHOME/XMP_Platform/logs/nccmDeviceMgr.log</i>	CCM BQL device manager log
<i>NETWORKHOME/XMP_Platform/logs/NEIM.log</i>	Network Element Image Management log
<i>NETWORKHOME/XMP_Platform/logs/NccmGui.log</i>	CCM GUI client log
<i>NETWORKHOME/XMP_Platform/logs/nccmStartup.log</i>	CCM startup log
<i>NETWORKHOME/XMP_Platform/logs/persistence.log</i>	XMP persistence log
<i>NETWORKHOME/XMP_Platform/logs/Preference.log</i>	XMP preference log
<i>NETWORKHOME/XMP_Platform/logs/prime-network-web.log</i>	Prime Network web log
<i>NETWORKHOME/XMP_Platform/logs/PTPConnectionManager.log.x</i>	CCM PTP connection manager log

Table C-1 Gateway Server Log Files (continued)

Gateway Server Log File	Component
<i>NETWORKHOME/XMP_Platform/logs/serverStatus.log</i>	XMP server status log
<i>NETWORKHOME/XMP_Platform/logs/snmp.log</i>	XMP SNMP log
<i>NETWORKHOME/XMP_Platform/logs/Startup.log</i>	XMP server startup log file
<i>NETWORKHOME/XMP_Platform/logs/TransactionManager.log.x</i>	Transaction Manager log file
<i>NETWORKHOME/XMP_Platform/logs/war.log</i>	CCM log
<i>NETWORKHOME/XMP_Platform/logs/xde.log</i>	XMP XDE log
<i>NETWORKHOME/XMP_Platform/logs/xmp_nbi_fw.log</i>	XMP northbound interface log
<i>NETWORKHOME/XMP_Platform/velocity.log</i>	XMP velocity log
<i>NETWORKHOME/XMP_Platform/XMP_Platform_InstallLog.log</i>	XMP platform installation log
<i>\$ORACLE_BASE/ana_logs</i>	Embedded Oracle database log
<i>/var/adm/cisco/prime-network/logs/install-log-xxxxxxxxx¹</i>	Prime Network installation log
<i>/var/adm/cisco/prime-network/logs/uninstall-log-xxxxxxxxx¹</i>	Prime Network uninstallation log
<i>/var/log/messages</i>	RHCS gateway high availability local redundancy log

1. xxxxxxxxx is a random unique identifier.

