

Log file reference

1/12/2021 • 45 minutes to read • [Edit Online](#)

Applies to: Configuration Manager (current branch)

In Configuration Manager, client and site server components record process information in individual log files. You can use the information in these log files to help you troubleshoot issues that might occur. By default, Configuration Manager enables logging for client and server components.

For more general information about log files in Configuration Manager, see [About log files](#). That article includes information on the tools to use, how to configure the logs, and where to find them.

The following sections provide details about the different log files available to you. Monitor Configuration Manager client and server logs for operation details, and view error information to troubleshoot problems.

- [Client log files](#)
 - [Client operations](#)
 - [Client installation](#)
 - [Client for Mac computers](#)
- [Server log files](#)
 - [Site server and site systems](#)
 - [Site server installation](#)
 - [Data warehouse service point](#)
 - [Fallback status point](#)
 - [Management point](#)
 - [Service connection point](#)
 - [Software update point](#)
- [Log files by functionality](#)
 - [Application management](#)
 - [Asset Intelligence](#)
 - [Backup and recovery](#)
 - [Certificate enrollment](#)
 - [Client notification](#)
 - [Cloud management gateway](#)
 - [Compliance settings and company resource access](#)
 - [Configuration Manager console](#)
 - [Content management](#)
 - [Desktop Analytics](#)

- [Discovery](#)
- [Endpoint analytics](#)
- [Endpoint Protection](#)
- [Extensions](#)
- [Inventory](#)
- [Migration](#)
- [Mobile devices](#)
- [OS deployment](#)
- [Power management](#)
- [Remote control](#)
- [Reporting](#)
- [Role-based administration](#)
- [Software metering](#)
- [Software updates](#)
- [Wake On LAN](#)
- [Windows 10 servicing](#)
- [Windows Update Agent](#)
- [WSUS server](#)

Client log files

The following sections list the log files related to client operations and client installation.

Client operations

The following table lists the log files located on the Configuration Manager client.

LOG NAME	DESCRIPTION
ADALOperationProvider.log	Information about client authentication token requests with Azure Active Directory (Azure AD) Authentication Library (ADAL).
BitLockerManagementHandler.log	Records information about BitLocker management policies.
CAS.log	The Content Access service. Maintains the local package cache on the client.
Ccm32BitLauncher.log	Records actions for starting applications on the client marked <i>run as 32 bit</i> .
CcmEval.log	Records Configuration Manager client status evaluation activities and details for components that are required by the Configuration Manager client.

LOG NAME	DESCRIPTION
CcmEvalTask.log	Records the Configuration Manager client status evaluation activities that are initiated by the evaluation scheduled task.
CcmExec.log	Records activities of the client and the SMS Agent Host service. This log file also includes information about enabling and disabling wake-up proxy.
CcmMessaging.log	Records activities related to communication between the client and management points.
CCMNotificationAgent.log	Records activities related to client notification operations.
Ccmperf.log	Records activities related to the maintenance and capture of data related to client performance counters.
CcmRestart.log	Records client service restart activity.
CCMSDKProvider.log	Records activities for the client SDK interfaces.
ccmsqlce.log	Records activities for the SQL Server Compact Edition (CE) that the client uses. This log is typically only used when you enable debug logging, or there's a problem with the component. The client health task (ccmeval) usually self-corrects problems with this component.
CcmUsrCse.log	Records details during user sign on for folder redirection policies.
CCMVDIProvider.log	Records information for clients in a virtual desktop infrastructure (VDI).
CertEnrollAgent.log	Records information for Windows Hello for Business. Specifically communication with the Network Device Enrollment Service (NDES) for certificate requests using the Simple Certificate Enrollment Protocol (SCEP).
CertificateMaintenance.log	Maintains certificates for Active Directory Domain Services and management points.
CIAgent.log	Records details about the process of remediation and compliance for compliance settings, software updates, and application management.
CIDownloader.log	Records details about configuration item definition downloads.
CIStateStore.log	Records changes in state for configuration items, such as compliance settings, software updates, and applications.
CIStore.log	Records information about configuration items, such as compliance settings, software updates, and applications.
CITaskMgr.log	Records tasks for each application and deployment type, such as content download and install or uninstall actions.

LOG NAME	DESCRIPTION
ClientAuth.log	Records signing and authentication activity for the client.
ClientIDManagerStartup.log	Creates and maintains the client GUID and identifies tasks during client registration and assignment.
ClientLocation.log	Records tasks that are related to client site assignment.
ClientServicing.log	Records information for client deployment state messages during auto-upgrade and client piloting.
CMBITSManager.log	Records information for Background Intelligent Transfer Service (BITS) jobs on the device.
CMHttpsReadiness.log	Records the results of running the Configuration Manager HTTPS Readiness Assessment Tool. This tool checks whether computers have a public key infrastructure (PKI) client authentication certificate that can be used with Configuration Manager.
CmRcService.log	Records information for the remote control service.
CoManagementHandler.log	Use to troubleshoot co-management on the client.
ComplRelayAgent.log	Records information for the co-management workload for compliance policies.
ContentTransferManager.log	Schedules the Background Intelligent Transfer Service (BITS) or Server Message Block (SMB) to download or access packages.
DataTransferService.log	Records all BITS communication for policy or package access.
DCMAgent.log	Records high-level information about the evaluation, conflict reporting, and remediation of configuration items and applications.
DCMReporting.log	Records information about reporting policy platform results into state messages for configuration items.
DcmWmiProvider.log	Records information about reading configuration item synclets from WMI.
DeltaDownload.log	Records information about the download of express updates and updates downloaded using Delivery Optimization.
Diagnostics.log	Records the status of client diagnostic actions.
EndpointProtectionAgent	Records information about the installation of the System Center Endpoint Protection client and the application of antimalware policy to that client.
execmgr.log	Records details about packages and task sequences that run on the client.

LOG NAME	DESCRIPTION
ExpressionSolver.log	Records details about enhanced detection methods that are used when verbose or debug logging is turned on.
ExternalEventAgent.log	Records the history of Endpoint Protection malware detection and events related to client status.
FileBITS.log	Records all SMB package access tasks.
FileSystemFile.log	Records the activity of the Windows Management Instrumentation (WMI) provider for software inventory and file collection.
FSPStateMessage.log	Records the activity for state messages that are sent to the fallback status point by the client.
InternetProxy.log	Records the network proxy configuration and use activity for the client.
InventoryAgent.log	Records activities of hardware inventory, software inventory, and heartbeat discovery actions on the client.
InventoryProvider.log	More details about hardware inventory, software inventory, and heartbeat discovery actions on the client.
LocationCache.log	Records the activity for location cache use and maintenance for the client.
LocationServices.log	Records the client activity for locating management points, software update points, and distribution points.
M365AHandler.log	Information about the Desktop Analytics settings policy
MaintenanceCoordinator.log	Records the activity for general maintenance tasks for the client.
Mifprovider.log	Records the activity of the WMI provider for Management Information Format (MIF) files.
mtrmgr.log	Monitors all software metering processes.
PolicyAgent.log	Records requests for policies made by using the Data Transfer Service.
PolicyAgentProvider.log	Records policy changes.
PolicyEvaluator.log	Records details about the evaluation of policies on client computers, including policies from software updates.
PolicyPlatformClient.log	Records the process of remediation and compliance for all providers located in \Program Files\Microsoft Policy Platform, except the file provider.
PolicySdk.log	Records activities for policy system SDK interfaces.

LOG NAME	DESCRIPTION
Pwrmgmt.log	Records information about enabling or disabling and configuring the wake-up proxy client settings.
PwrProvider.log	Records the activities of the power management provider (PWRInvProvider) hosted in the WMI service. On all supported versions of Windows, the provider enumerates the current settings on computers during hardware inventory and applies power plan settings.
SCClient_< domain> @< username> _1.log	Records the activity in Software Center for the specified user on the client computer.
SCClient_< domain> @< username> _2.log	Records the historical activity in Software Center for the specified user on the client computer.
Scheduler.log	Records activities of scheduled tasks for all client operations.
SCNotify_< domain> @< username> _1.log	Records the activity for notifying users about software for the specified user.
SCNotify_< domain> @< username> _1-< date_time> .log	Records the historical information for notifying users about software for the specified user.
SensorWmiProvider.log	Records the activity of the WMI provider for the endpoint analytics sensor.
SensorEndpoint.log	Records the execution of endpoint analytics policy and upload of client data to the site server.
SensorManagedProvider.log	Records the gathering and processing of events and information for endpoint analytics.
setuppolicyevaluator.log	Records configuration and inventory policy creation in WMI.
SleepAgent_< domain> @SYSTEM_0.log	The main log file for wake-up proxy.
SmsClientMethodProvider.log	Records activity for sending client schedules. For example, with the Send Schedule tool or other programmatic methods.
smscliui.log	Records use of the Configuration Manager client in Control Panel.
SrcUpdateMgr.log	Records activity for installed Windows Installer applications that are updated with current distribution point source locations.
StateMessageProvider.log	Records information for the component that sends state messages from the client to the site.
StatusAgent.log	Records status messages that are created by the client components.

LOG NAME	DESCRIPTION
SWMTRReportGen.log	Generates a use data report that is collected by the metering agent. This data is logged in Mtrmgr.log.
UserAffinity.log	Records details about user device affinity.
UserAffinityProvider.log	Technical details from the component that tracks user device affinity.
VirtualApp.log	Records information specific to the evaluation of Application Virtualization (App-V) deployment types.
Wedmtrace.log	Records operations related to write filters on Windows Embedded clients.
wakeprxy-install.log	Records installation information when clients receive the client setting option to turn on wake-up proxy.
wakeprxy-uninstall.log	Records information about uninstalling wake-up proxy when clients receive the client setting option to turn off wake-up proxy, if wake-up proxy was previously turned on.

Client installation

The following table lists the log files that contain information related to the installation of the Configuration Manager client.

LOG NAME	DESCRIPTION
ccmsetup.log	Records ccmsetup.exe tasks for client setup, client upgrade, and client removal. Can be used to troubleshoot client installation problems.
ccmsetup-ccmeval.log	Records ccmsetup.exe tasks for client status and remediation.
CcmRepair.log	Records the repair activities of the client agent.
client.msi.log	Records setup tasks done by client.msi. Can be used to troubleshoot client installation or removal problems.
ClientServicing.log	Records information for client deployment state messages during auto-upgrade and client piloting.

Client for Mac computers

The Configuration Manager client for Mac computers records information in the following log files on the Mac computer:

LOG NAME	DETAILS	LOCATION
CCMClient- <date_time>.log	Records activities that are related to the Mac client operations, including application management, inventory, and error logging.	<div>/Library/Application Support/Microsoft/CCM/Logs</div>

LOG NAME	DETAILS	LOCATION
CCMAgent- < <i>date_time</i> > .log	Records information that is related to client operations, including user sign in and sign out operations, and Mac computer activity.	~/Library/Logs
CCMNotifications- < <i>date_time</i> > .log	Records activities that are related to Configuration Manager notifications displayed on the Mac computer.	~/Library/Logs
CCMPrefPane- < <i>date_time</i> > .log	Records activities related to the Configuration Manager preferences dialog box on the Mac computer, which includes general status and error logging.	~/Library/Logs

The log file **SMS_DM.log** on the site system server also records communication between Mac computers and the management point that is set up for mobile devices and Mac computers.

Server log files

The following sections list log files that are on the site server or that are related to specific site system roles.

Site server and site systems

The following table lists the log files that are on the Configuration Manager site server and site system servers.

LOG NAME	DESCRIPTION	COMPUTER WITH LOG FILE
adctrl.log	Records enrollment processing activity.	Site server
ADForestDisc.log	Records Active Directory Forest Discovery actions.	Site server
adminservice.log	Records actions for the SMS Provider administration service REST API	Computer with the SMS Provider
ADService.log	Records account creation and security group details in Active Directory.	Site server
adsgdis.log	Records Active Directory Group Discovery actions.	Site server
adsysdis.log	Records Active Directory System Discovery actions.	Site server
adusrdis.log	Records Active Directory User Discovery actions.	Site server
BusinessAppProcessWorker.log	Records processing for Microsoft Store for Business apps.	Site server
ccm.log	Records activities for client push installation.	Site server

LOG NAME	DESCRIPTION	COMPUTER WITH LOG FILE
CertMgr.log	Records certificate activities for intrasite communication.	Site system server
chmgr.log	Records activities of the client health manager.	Site server
Cidm.log	Records changes to the client settings by the Client Install Data Manager (CIDM).	Site server
CollectionAADGroupSyncWorker.log	Starting in version 2002, log file for synchronization of collection membership results to Azure Active Directory. In version 1910 and earlier, logging for this feature was combined in SMS_AZUREAD_DISCOVERY_AGENT.log.	Site server
colleval.log	Records details about when collections are created, changed, and deleted by the Collection Evaluator.	Site server
common.log	Records the status of component threads monitored for the site server.	Site system server
compsumm.log	Records Component Status Summarizer tasks.	Site server
ComRegSetup.log	Records the initial installation of COM registration results for a site server.	Site system server
dataldr.log	Records information about the processing of MIF files and hardware inventory in the Configuration Manager database.	Site server
ddm.log	Records activities of the discovery data manager.	Site server
despool.log	Records incoming site-to-site communication transfers.	Site server
dismgr.log	Records details about package creation, compression, delta replication, and information updates. It can also include other activities from the distribution manager component. For example, installing a distribution point, connection attempts, and installing components. For more information on other functionality that uses this log, see Service connection point and OS deployment .	Site server

LOG NAME	DESCRIPTION	COMPUTER WITH LOG FILE
EPCtrlMgr.log	Records information about the syncing of malware threat information from the Endpoint Protection site system role server with the Configuration Manager database.	Site server
EPMgr.log	Records the status of the Endpoint Protection site system role.	Site system server
EPSetup.log	Provides information about the installation of the Endpoint Protection site system role.	Site system server
EnrollSrv.log	Records activities of the enrollment service process.	Site system server
EnrollWeb.log	Records activities of the enrollment website process.	Site system server
fspmgr.log	Records activities of the fallback status point site system role.	Site system server
hman.log	Records information about site configuration changes, and about the publishing of site information in Active Directory Domain Services.	Site server
Inboxast.log	Records the files that are moved from the management point to the corresponding INBOXES folder on the site server.	Site server
inboxmgr.log	Records file transfer activities between inbox folders.	Site server
inboxmon.log	Records the processing of inbox files and performance counter updates.	Site server
invproc.log	Records the forwarding of MIF files from a secondary site to its parent site.	Site server
migmctrl.log	Records information for Migration actions that involve migration jobs, shared distribution points, and distribution point upgrades.	Top-level site in the Configuration Manager hierarchy, and each child primary site. In a multi-primary site hierarchy, use the log file that is created at the central administration site.
mpcontrol.log	Records the registration of the management point with Windows Internet Name Service (WINS). Records the availability of the management point every 10 minutes.	Site system server

LOG NAME	DESCRIPTION	COMPUTER WITH LOG FILE
mpfdm.log	Records the actions of the management point component that moves client files to the corresponding INBOXES folder on the site server.	Site system server
mpMSI.log	Records details about the management point installation.	Site server
MPSetup.log	Records the management point installation wrapper process.	Site server
netdisc.log	Records Network Discovery actions.	Site server
NotiCtrl.log	Application request notifications.	Site server
ntsvrdis.log	Records the discovery activity of site system servers.	Site server
Objreplmgr	Records the processing of object change notifications for replication.	Site server
offermgr.log	Records advertisement updates.	Site server
offersum.log	Records the summarization of deployment status messages.	Site server
OfflineServicingMgr.log	Records the activities of applying updates to operating system image files.	Site server
outboxmon.log	Records the processing of outbox files and performance counter updates.	Site server
PerfSetup.log	Records the results of the installation of performance counters.	Site system server
PkgXferMgr.log	Records the actions of the SMS_Executive component that is responsible for sending content from a primary site to a remote distribution point.	Site server
polycpv.log	Records updates to the client policies to reflect changes to client settings or deployments.	Primary site server
rcmctrl.log	Records the activities of database replication between sites in the hierarchy.	Site server
replmgr.log	Records the replication of files between the site server components and the Scheduler component.	Site server

LOG NAME	DESCRIPTION	COMPUTER WITH LOG FILE
ResourceExplorer.log	Records errors, warnings, and information about running Resource Explorer.	Computer that runs the Configuration Manager console
RESTPROVIDERSetup.log	Installation of the SMS Provider administration service REST API	Computer with the SMS Provider
ruleengine.log	Records details about automatic deployment rules for the identification, content download, and software update group and deployment creation.	Site server
schedule.log	Records details about site-to-site job and file replication.	Site server
sender.log	Records the files that transfer by file-based replication between sites.	Site server
sinvproc.log	Records information about the processing of software inventory data to the site database.	Site server
sitecomp.log	Records details about the maintenance of the installed site components on all site system servers in the site.	Site server
sitectl.log	Records site setting changes made to site control objects in the database.	Site server
sitestat.log	Records the availability and disk space monitoring process of all site systems.	Site server
SMS_AZUREAD_DISCOVERY_AGENT.log	Log file for Azure Active Directory (Azure AD) user and user group discovery. In version 1910 and earlier, it also included synchronization of collection membership results to Azure AD.	Site server
SMS_BUSINESS_APP_PROCESS_MANAGER.log	Log file for component that synchronizes apps from the Microsoft Store for Business.	Site server
SMS_DataEngine.log	Log file for management insights.	Site server
SMS_ISVUPDATES_SYNCAGENT.log	Log file for synchronization of third-party software updates.	Top-level software update point in the Configuration Manager hierarchy.
SMS_MESSAGE_PROCESSING_ENGINE.log	Log file for the message processing engine, which the site uses to process results for client actions. For example, run scripts and CMPivot.	Site server
SMS_OrchestrationGroup.log	Log file for orchestration groups	Site server

LOG NAME	DESCRIPTION	COMPUTER WITH LOG FILE
SMS_PhasedDeployment.log	Log file for phased deployments	Top-level site in the Configuration Manager hierarchy
SMS_REST_PROVIDER.log	Service health state for the SMS Provider administration service REST API, including certificate information	Computer with the SMS Provider
SmsAdminUI.log	Records Configuration Manager console activity.	Computer that runs the Configuration Manager console
SMSAWEBSVCSetup.log	Records the installation activities of the Application Catalog web service.	Site system server
smsbkup.log	Records output from the site backup process.	Site server
smsdbmon.log	Records database changes.	Site server
SMSENROLLSRVSetup.log	Records the installation activities of the enrollment web service.	Site system server
SMSENROLLWEBSetup.log	Records the installation activities of the enrollment website.	Site system server
smsexec.log	Records the processing of all site server component threads.	Site server or site system server
SMSFSPSetup.log	Records messages generated by the installation of a fallback status point.	Site system server
SMSPORTALWEBSetup.log	Records the installation activities of the Application Catalog website.	Site system server
SMSProv.log	Records WMI provider access to the site database.	Computer with the SMS Provider
srsrpMSI.log	Records detailed results of the reporting point installation process from the MSI output.	Site system server
srsrpsetup.log	Records results of the reporting point installation process.	Site system server
statesys.log	Records the processing of state system messages.	Site server
statmgr.log	Records the writing of all status messages to the database.	Site server
swmproc.log	Records the processing of metering files and settings.	Site server
UXAnalyticsUploadWorker.log	Records data upload to the service for endpoint analytics.	Site server

Site server installation

The following table lists the log files that contain information related to site installation.

LOG NAME	DESCRIPTION	COMPUTER WITH LOG FILE
ConfigMgrPrereq.log	Records prerequisite component evaluation and installation activities.	Site server
ConfigMgrSetup.log	Records detailed output from the site server setup.	Site Server
ConfigMgrSetupWizard.log	Records information related to activity in the Setup Wizard.	Site Server
SMS_BOOTSTRAP.log	Records information about the progress of launching the secondary site installation process. Details of the actual setup process are contained in ConfigMgrSetup.log.	Site Server
smstsvc.log	Records information about the installation, use, and removal of a Windows service. Windows uses this service to test network connectivity and permissions between servers. It uses the computer account of the server that creates the connection.	Site server and site system server

Data warehouse service point

The following table lists the log files that contain information related to the data warehouse service point.

LOG NAME	DESCRIPTION	COMPUTER WITH LOG FILE
DWSSMSI.log	Records messages generated by the installation of a data warehouse service point.	Site system server
DWSSSetup.log	Records messages generated by the installation of a data warehouse service point.	Site system server
Microsoft.ConfigMgrDataWarehouse.log	Records information about data synchronization between the site database and the data warehouse database.	Site system server

Fallback status point

The following table lists the log files that contain information related to the fallback status point.

LOG NAME	DESCRIPTION	COMPUTER WITH LOG FILE
Fsplapi	Records details about communications to the fallback status point from mobile device legacy clients and client computers.	Site system server

LOG NAME	DESCRIPTION	COMPUTER WITH LOG FILE
fspMSI.log	Records messages generated by the installation of a fallback status point.	Site system server
fspmgr.log	Records activities of the fallback status point site system role.	Site system server

Management point

The following table lists the log files that contain information related to the management point.

LOG NAME	DESCRIPTION	COMPUTER WITH LOG FILE
CcmIsapi.log	Records client messaging activity on the endpoint.	Site system server
CCM_STS.log	Records activities for authentication tokens, either from Azure Active Directory or site-issued client tokens.	Site system server
ClientAuth.log	Records signing and authentication activity.	Site system server
MP_CliReg.log	Records the client registration activity processed by the management point.	Site system server
MP_Ddr.log	Records the conversion of XML.ddr records from clients, and then copies them to the site server.	Site system server
MP_Framework.log	Records the activities of the core management point and client framework components.	Site system server
MP_GetAuth.log	Records client authorization activity.	Site system server
MP_GetPolicy.log	Records policy request activity from client computers.	Site system server
MP_Hinv.log	Records details about the conversion of XML hardware inventory records from clients and the copy of those files to the site server.	Site system server
MP_Location.log	Records location request and reply activity from clients.	Site system server
MP_OOBMgr.log	Records the management point activities related to receiving an OTP from a client.	Site system server
MP_Policy.log	Records policy communication.	Site system server
MP_RegistrationManager.log	Records activities related to client registration, such as validating certificates, CRL, and tokens.	Site system server

LOG NAME	DESCRIPTION	COMPUTER WITH LOG FILE
MP_Relay.log	Records the transfer of files that are collected from the client.	Site system server
MP_Retry.log	Records hardware inventory retry processes.	Site system server
MP_Sinv.log	Records details about the conversion of XML software inventory records from clients and the copy of those files to the site server.	Site system server
MP_SinvCollFile.log	Records details about file collection.	Site system server
MP_Status.log	Records details about the conversion of XML.svf status message files from clients and the copy of those files to the site server.	Site system server
mpcontrol.log	Records the registration of the management point with WINS. Records the availability of the management point every 10 minutes.	Site server
mpfdm.log	Records the actions of the management point component that moves client files to the corresponding INBOXES folder on the site server.	Site system server
mpMSI.log	Records details about the management point installation.	Site server
MPSetup.log	Records the management point installation wrapper process.	Site server
UserService.log	Records user requests from Software Center, retrieving/installing user-available applications from the server.	Site system server

Service connection point

The following table lists the log files that contain information related to the service connection point.

LOG NAME	DESCRIPTION	COMPUTER WITH LOG FILE
CertMgr.log	Records certificate and proxy account information.	Site server
CollEval.log	Records details about when collections are created, changed, and deleted by the Collection Evaluator.	Primary site and central administration site
Cloudusersync.log	Records license enablement for users.	Computer with the service connection point

LOG NAME	DESCRIPTION	COMPUTER WITH LOG FILE
Datldr.log	Records information about the processing of MIF files.	Site server
ddm.log	Records activities of the discovery data manager.	Site server
Distmgr.log	Records details about content distribution requests.	Top-level site server
Dmpdownloader.log	Records details about downloads from Microsoft Intune.	Computer with the service connection point
Dmpuploader.log	Records detail related to uploading database changes to Microsoft Intune.	Computer with the service connection point
EndpointConnectivityCheckWorker.log	Starting in version 2010, records detail related to checks for important internet endpoints.	Computer with the service connection point
hman.log	Records information about message forwarding.	Site server
WsfbSyncWorker.log	Records information about the communication with the Microsoft Store for Business.	Computer with the service connection point
objreplmgr.log	Records the processing of policy and assignment.	Primary site server
PolicyPV.log	Records policy generation of all policies.	Site server
outgoingcontentmanager.log	Records content uploaded to Microsoft Intune.	Computer with the service connection point
ServiceConnectionTool.log	Records details about use of the service connection tool based on the parameter you use. Each time you run the tool, it replaces any existing log file.	Same location as the tool
Sitecomp.log	Records details of service connection point installation.	Site server
SmsAdminUI.log	Records Configuration Manager console activity.	Computer that runs the Configuration Manager console
SMS_CLOUDCONNECTION.log	Records information about cloud services.	Computer with the service connection point
Smsprov.log	Records activities of the SMS Provider. Configuration Manager console activities use the SMS Provider.	Computer with the SMS Provider

LOG NAME	DESCRIPTION	COMPUTER WITH LOG FILE
SrvBoot.log	Records details about the service connection point installer service.	Computer with the service connection point
Statesys.log	Records the processing of mobile device management messages.	Primary site and central administration site

Software update point

The following table lists the log files that contain information related to the software update point.

LOG NAME	DESCRIPTION	COMPUTER WITH LOG FILE
objreplmgr.log	Records details about the replication of software updates notification files from a parent site to child sites.	Site server
PatchDownloader.log	Records details about the process of downloading software updates from the update source to the download destination on the site server.	When you manually download updates, this file is in your <code>%temp%</code> directory on the computer where you use the console. For automatic deployment rules, if the Configuration Manager client is installed on the site server, this file is on the site server in <code>%windir%\CCM\Logs</code> .
ruleengine.log	Records details about automatic deployment rules for the identification, content download, and software update group and deployment creation.	Site server
SMS_ISVUPDATES_SYNCAGENT.log	Log file for synchronization of third-party software updates.	Top-level software update point in the Configuration Manager hierarchy.
SUPSetup.log	Records details about the software update point installation. When the software update point installation completes, Installation was successful is written to this log file.	Site system server
WCM.log	Records details about the software update point configuration and connections to the WSUS server for subscribed update categories, classifications, and languages.	Site server that connects to the WSUS server
WSUSCtrl.log	Records details about the configuration, database connectivity, and health of the WSUS server for the site.	Site system server
wsyncmgr.log	Records details about the software updates sync process.	Site system server

LOG NAME	DESCRIPTION	COMPUTER WITH LOG FILE
WUSSyncXML.log	Records details about the Inventory Tool for the Microsoft Updates sync process.	Client computer configured as the sync host for the Inventory Tool for Microsoft Updates

Log files by functionality

The following sections list log files related to Configuration Manager functions.

Application management

The following table lists the log files that contain information related to application management.

LOG NAME	DESCRIPTION	COMPUTER WITH LOG FILE	
AppIntentEval.log	Records details about the current and intended state of applications, their applicability, whether requirements were met, deployment types, and dependencies.	Client	
AppDiscovery.log	Records details about the discovery or detection of applications on client computers.	Client	
AppEnforce.log	Records details about enforcement actions (install and uninstall) taken for applications on the client.	Client	
AppGroupHandler.log	Records detection and enforcement information for application groups	Client	
awebsctl.log	Records monitoring activities for the Application Catalog web service point site system role.	Site system server	
awebsvcMSI.log	Records detailed installation information for the Application Catalog web service point site system role.	Site system server	
BusinessAppProcessWorker.log	Records processing for Microsoft Store for Business apps.	Site server	
Ccmsdkprovider.log	Records the activities of the application management SDK.	Client	

LOG NAME	DESCRIPTION	COMPUTER WITH LOG FILE	
colleval.log	Records details about when collections are created, changed, and deleted by the Collection Evaluator.	Site system server	
ConfigMgrSoftwareCatalog.log	Records the activity of the Application Catalog, which includes its use of Silverlight.	Client	
WsfbSyncWorker.log	Records information about the communication with the Microsoft Store for Business.	Computer with the service connection point	
NotiCtrl.log	Application request notifications.	Site server	
portlctl.log	Records the monitoring activities for the Application Catalog website point site system role.	Site system server	
portlwebMSI.log	Records the MSI installation activity for the Application Catalog website role.	Site system server	
PrestageContent.log	Records details about the use of the ExtractContent.exe tool on a remote, prestaged distribution point. This tool extracts content that has been exported to a file.	Site system server	
ServicePortalWebService.log	Records the activity of the Application Catalog web service.	Site system server	
ServicePortalWebSite.log	Records the activity of the Application Catalog website.	Site system server	
SettingsAgent.log	Enforcement of specific applications, records orchestration of application group evaluation, and details of co-management policies.	Client	
SMS_BUSINESS_APP_PROCESS_MANAGER.log	Log file for component that synchronizes apps from the Microsoft Store for Business.	Site server	
SMS_CLOUDCONNECTION.log	Records information about cloud services.	Computer with the service connection point	

LOG NAME	DESCRIPTION	COMPUTER WITH LOG FILE	
SMSdpmon.log	Records details about the distribution point health monitoring scheduled task that is configured on a distribution point.	Site server	
SoftwareCatalogUpdateEndPoint.log	Records activities for managing the URL for the Application Catalog shown in Software Center.	Client	
SoftwareCenterSystemTasks.log	Records activities related to Software Center prerequisite component validation.	Client	
TSDTHandler.log	For the task sequence deployment type. It logs the process from app enforcement (install or uninstall) to the launch of the task sequence. Use it with AppEnforce.log and smsts.log.	Client	

Packages and programs

The following table lists the log files that contain information related to deploying packages and programs.

LOG NAME	DESCRIPTION	COMPUTER WITH LOG FILE
colleval.log	Records details about when collections are created, changed, and deleted by the Collection Evaluator.	Site server
execmgr.log	Records details about packages and task sequences that run.	Client

Asset Intelligence

The following table lists the log files that contain information related to Asset Intelligence.

LOG NAME	DESCRIPTION	COMPUTER WITH LOG FILE
AssetAdvisor.log	Records the activities of Asset Intelligence inventory actions.	Client
aikbmgr.log	Records details about the processing of XML files from the inbox for updating the Asset Intelligence catalog.	Site server
AIUpdateSvc.log	Records the interaction of the Asset Intelligence sync point with the cloud service.	Site system server

LOG NAME	DESCRIPTION	COMPUTER WITH LOG FILE
AIUSMSI.log	Records details about the installation of the Asset Intelligence sync point site system role.	Site system server
AIUSSetup.log	Records details about the installation of the Asset Intelligence sync point site system role.	Site system server
ManagedProvider.log	Records details about discovering software with an associated software identification tag. Also records activities related to hardware inventory.	Site system server
MVLSImport.log	Records details about the processing of imported licensing files.	Site system server

Backup and recovery

The following table lists log files that contain information related to backup and recovery actions, including site resets, and changes to the SMS Provider.

LOG NAME	DESCRIPTION	COMPUTER WITH LOG FILE
ConfigMgrSetup.log	Records information about setup and recovery tasks when Configuration Manager recovers a site from backup.	Site server
Smsbkup.log	Records details about the site backup activity.	Site server
smssqlbkup.log	Records output from the site database backup process when SQL Server is installed on a server that isn't the site server.	Site database server
Smswriter.log	Records information about the state of the Configuration Manager VSS writer that is used by the backup process.	Site server

Certificate enrollment

The following table lists the Configuration Manager log files that contain information related to certificate enrollment. Certificate enrollment uses the certificate registration point and the Configuration Manager Policy Module on the server that's running the Network Device Enrollment Service (NDES).

LOG NAME	DESCRIPTION	COMPUTER WITH LOG FILE
CertEnrollAgent.log	Records client communication with NDES for certificate requests using the Simple Certificate Enrollment Protocol (SCEP).	Windows Hello for Business client
Crp.log	Records enrollment activities.	Certificate registration point

LOG NAME	DESCRIPTION	COMPUTER WITH LOG FILE
Crpctrl.log	Records the operational health of the certificate registration point.	Certificate registration point
Crpsetup.log	Records details about the installation and configuration of the certificate registration point.	Certificate registration point
Crpmsi.log	Records details about the installation and configuration of the certificate registration point.	Certificate registration point
NDESPlugin.log	Records challenge verification and certificate enrollment activities.	Configuration Manager Policy Module and the Network Device Enrollment Service

Along with the Configuration Manager log files, review the Windows Application logs in Event Viewer on the server running the Network Device Enrollment Service and the server hosting the certificate registration point. For example, look for messages from the **NetworkDeviceEnrollmentService** source.

You can also use the following log files:

- IIS log files for Network Device Enrollment Service:
%SYSTEMDRIVE%\inetpub\logs\LogFiles\W3SVC1
- IIS log files for the certificate registration point: **%SYSTEMDRIVE%\inetpub\logs\LogFiles\W3SVC1**
- Network Device Enrollment Policy log file: **mscep.log**

NOTE

This file is located in the folder for the NDES account profile, for example, in C:\Users\SCEPSvc. For more information about how to enable NDES logging, see the [Enable Logging](#) section of the NDES wiki.

Client notification

The following table lists the log files that contain information related to client notification.

LOG NAME	DESCRIPTION	COMPUTER WITH LOG FILE
bgbmgr.log	Records details about site server activities related to client notification tasks and processing online and task status files.	Site server
BGBServer.log	Records the activities of the notification server, such as client-server communication and pushing tasks to clients. Also records information about the generation of online and task status files to be sent to the site server.	Management point
BgbSetup.log	Records the activities of the notification server installation wrapper process during installation and uninstallation.	Management point

LOG NAME	DESCRIPTION	COMPUTER WITH LOG FILE
bgbisapiMSI.log	Records details about the notification server installation and uninstallation.	Management point
BgbHttpProxy.log	Records the activities of the notification HTTP proxy as it relays the messages of clients using HTTP to and from the notification server.	Client
CcmNotificationAgent.log	Records the activities of the notification agent, such as client-server communication and information about tasks received and dispatched to other client agents.	Client

Cloud management gateway

The following table lists the log files that contain information related to the cloud management gateway.

LOG NAME	DESCRIPTION	COMPUTER WITH LOG FILE
CloudMgr.log	Records details about deploying the cloud management gateway service, ongoing service status, and use data associated with the service. To configure the logging level, edit the Logging level value in the following registry key: <div> HKLM\SOFTWARE\ Microsoft\SMS\COMPONENTS\ SMS_CLOUD_ SERVICES_MANAGER </div>	The <i>install\dir</i> folder on the primary site server or CAS.
CMGSetup.log Note 1	Records details about the second phase of the cloud management gateway deployment (local deployment in Azure). To configure the logging level, use the setting Trace level (Information (Default), Verbose, Error) on the Azure portal\Cloud services configuration tab.	The %approot%\logs on your Azure server, or the SMS/Logs folder on the site system server
CMGService.log Note 1	Records details about the cloud management gateway service core component in Azure. To configure the logging level, use the setting Trace level (Information (Default), Verbose, Error) on the Azure portal\Cloud services configuration tab.	The %approot%\logs on your Azure server, or the SMS/Logs folder on the site system server
SMS_Cloud_ProxyConnector.log	Records details about setting up connections between the cloud management gateway service and the cloud management gateway connection point.	Site system server

LOG NAME	DESCRIPTION	COMPUTER WITH LOG FILE
CMGContentService.log Note 1	When you enable a CMG to also serve content from Azure storage, this log records the details of that service.	The %approot%\logs on your Azure server, or the SMS/Logs folder on the site system server

- For troubleshooting deployments, use **CloudMgr.log** and **CMGSetup.log**
- For troubleshooting service health, use **CMGService.log** and **SMS_Cloud_ProxyConnector.log**.
- For troubleshooting client traffic, use **CMGHttpHandler.log**, **CMGService.log**, and **SMS_Cloud_ProxyConnector.log**.

Note 1: Logs synchronized from Azure

These are local Configuration Manager log files that cloud service manager syncs from Azure storage every five minutes. The cloud management gateway pushes logs to Azure storage every five minutes. So the maximum delay is 10 minutes. Verbose switches affect both local and remote logs. The actual file names include the service name and role instance identifier. For example, *CMG-ServiceName-RoleInstanceID-CMGSetup.log*. These log files are synced, so you don't need to RDP to the cloud management gateway to obtain them, and that option isn't supported.

Compliance settings and company resource access

The following table lists the log files that contain information related to compliance settings and company resource access.

LOG NAME	DESCRIPTION	COMPUTER WITH LOG FILE
CIAgent.log	Records details about the process of remediation and compliance for compliance settings, software updates, and application management.	Client
CITaskManager.log	Records information about configuration item task scheduling.	Client
DCMAgent.log	Records high-level information about the evaluation, conflict reporting, and remediation of configuration items and applications.	Client
DCMReporting.log	Records information about reporting policy platform results into state messages for configuration items.	Client
DcmWmiProvider.log	Records information about reading configuration item synclets from WMI.	Client

Configuration Manager console

The following table lists the log files that contain information related to the Configuration Manager console.

LOG NAME	DESCRIPTION	COMPUTER WITH LOG FILE
ConfigMgrAdminUISetup.log	Records the installation of the Configuration Manager console.	Computer that runs the Configuration Manager console

LOG NAME	DESCRIPTION	COMPUTER WITH LOG FILE
SmsAdminUI.log	Records information about the operation of the Configuration Manager console.	Computer that runs the Configuration Manager console
Smsprov.log	Records activities of the SMS Provider. Configuration Manager console activities use the SMS Provider.	Site server or site system server

Content management

The following table lists the log files that contain information related to content management.

LOG NAME	DESCRIPTION	COMPUTER WITH LOG FILE
CloudDP- <guid>.log	Records details for a specific cloud-based distribution point, including information about storage and content access.	Site system server
CloudMgr.log	Records details about content provisioning, collecting storage and bandwidth statistics, and administrator-initiated actions to stop or start the cloud service that runs a cloud-based distribution point.	Site system server
DataTransferService.log	Records all BITS communication for policy or package access. This log also is used for content management by pull-distribution points.	Computer that is configured as a pull-distribution point
PullDP.log	Records details about content that the pull-distribution point transfers from source distribution points.	Computer that is configured as a pull-distribution point
PrestageContent.log	Records the details about the use of the ExtractContent.exe tool on a remote, prestaged distribution point. This tool extracts content that has been exported to a file.	Site system role
SMSdpmon.log	Records details about distribution point health monitoring scheduled tasks that are configured on a distribution point.	Site system role
smsdpprov.log	Records details about the extraction of compressed files received from a primary site. This log is generated by the WMI provider of the remote distribution point.	Distribution point computer that isn't colocated with the site server
smsdpusage.log	Records details about the smsdpusage.exe that runs and gathers data for the distribution point usage summary report.	Site system role

Desktop Analytics

Use the following log files to help troubleshoot issues with Desktop Analytics integrated with Configuration Manager.

The log files on the service connection point are in the following directory:

%ProgramFiles%\Configuration Manager\Logs\M365A . The log files on the Configuration Manager client are in the following directory: %WinDir%\CCM\logs .

LOG	DESCRIPTION	COMPUTER WITH LOG FILE
M365ADeploymentPlanWorker.log	Information about deployment plan sync from Desktop Analytics cloud service to on-premises Configuration Manager	Service connection point
M365ADeviceHealthWorker.log	Information about device health upload from Configuration Manager to Microsoft cloud	Service connection point
M365AHandler.log	Information about the Desktop Analytics settings policy	Client
M365AUploadWorker.log	Information about collection and device upload from Configuration Manager to Microsoft cloud	Service connection point
SmsAdminUI.log	Information about Configuration Manager console activity, like configuring the Azure cloud services	Service connection point

Discovery

The following table lists the log files that contain information related to discovery.

LOG NAME	DESCRIPTION	COMPUTER WITH LOG FILE
adsgdis.log	Records Active Directory Security Group Discovery actions.	Site server
adsysdis.log	Records Active Directory System Discovery actions.	Site server
adusrdis.log	Records Active Directory User Discovery actions.	Site server
ADForestDisc.Log	Records Active Directory Forest Discovery actions.	Site server
ddm.log	Records activities of the discovery data manager.	Site server
InventoryAgent.log	Records activities of hardware inventory, software inventory, and heartbeat discovery actions on the client.	Client
netdisc.log	Records Network Discovery actions.	Site server

Endpoint analytics

LOG NAME	DESCRIPTION	COMPUTER WITH LOG FILE
UXAnalyticsUploadWorker.log	Records data upload to the service for endpoint analytics.	Site server
SensorWmiProvider.log	Records the activity of the WMI provider for the endpoint analytics sensor.	Client
SensorEndpoint.log	Records the execution of endpoint analytics policy and upload of client data to the site server.	Client
SensorManagedProvider.log	Records the gathering and processing of events and information for endpoint analytics.	Client

Endpoint Protection

The following table lists the log files that contain information related to Endpoint Protection.

LOG NAME	DESCRIPTION	COMPUTER WITH LOG FILE
EndpointProtectionAgent.log	Records details about the installation of the Endpoint Protection client and the application of antimalware policy to that client.	Client
EPCtrlMgr.log	Records details about the syncing of malware threat information from the Endpoint Protection role server with the Configuration Manager database.	Site system server
EPMgr.log	Monitors the status of the Endpoint Protection site system role.	Site system server
EPSetup.log	Provides information about the installation of the Endpoint Protection site system role.	Site system server

Extensions

The following table lists the log files that contain information related to extensions.

LOG NAME	DESCRIPTION	COMPUTER WITH LOG FILE
AdminUI.ExtensionInstaller.log	Records information about the download of extensions from Microsoft, and the installation and uninstallation of all extensions.	Computer that runs the Configuration Manager console
FeatureExtensionInstaller.log	Records information about the installation and removal of individual extensions when they're enabled or disabled in the Configuration Manager console.	Computer that runs the Configuration Manager console

LOG NAME	DESCRIPTION	COMPUTER WITH LOG FILE
SmsAdminUI.log	Records Configuration Manager console activity.	Computer that runs the Configuration Manager console

Inventory

The following table lists the log files that contain information related to processing inventory data.

LOG NAME	DESCRIPTION	COMPUTER WITH LOG FILE
dataldr.log	Records information about the processing of MIF files and hardware inventory in the Configuration Manager database.	Site server
invproc.log	Records the forwarding of MIF files from a secondary site to its parent site.	Secondary site server
sinvproc.log	Records information about the processing of software inventory data to the site database.	Site server

Metering

The following table lists the log files that contain information related to metering.

LOG NAME	DESCRIPTION	COMPUTER WITH LOG FILE
mtrmgr.log	Monitors all software metering processes.	Client
SWMTRReportGen.log	Generates a use data report that is collected by the metering agent. This data is logged in Mtrmgr.log.	Client
swmproc.log	Records the processing of metering files and settings.	Site server

Migration

The following table lists the log files that contain information related to migration.

LOG NAME	DESCRIPTION	COMPUTER WITH LOG FILE
migmctrl.log	Records information about migration actions that involve migration jobs, shared distribution points, and distribution point upgrades.	Top-level site in the Configuration Manager hierarchy, and each child primary site. In a multi-primary site hierarchy, use the log file created at the central administration site.

Mobile devices

The following sections list the log files that contain information related to managing mobile devices.

Enrollment

The following table lists logs that contain information related to mobile device enrollment.

LOG NAME	DESCRIPTION	COMPUTER WITH LOG FILE
DMPRRlog	Records communication between management points that are enabled for mobile devices and the management point endpoints.	Site system server
dmpmsi.log	Records the Windows Installer data for the configuration of a management point that is enabled for mobile devices.	Site system server
DMPSetup.log	Records the configuration of the management point when it's enabled for mobile devices.	Site system server
enrollsrvMSI.log	Records the Windows Installer data for the configuration of an enrollment point.	Site system server
enrollmentweb.log	Records communication between mobile devices and the enrollment proxy point.	Site system server
enrollwebMSI.log	Records the Windows Installer data for the configuration of an enrollment proxy point.	Site system server
enrollmentservice.log	Records communication between an enrollment proxy point and an enrollment point.	Site system server
SMS_DM.log	Records communication between mobile devices, Mac computers, and the management point that is enabled for mobile devices and Mac computers.	Site system server

Exchange Server connector

The following logs contain information related to the Exchange Server connector.

LOG NAME	DESCRIPTION	COMPUTER WITH LOG FILE
easdisc.log	Records the activities and the status of the Exchange Server connector.	Site server

Mobile device legacy

The following table lists logs that contain information related to the mobile device legacy client.

LOG NAME	DESCRIPTION	COMPUTER WITH LOG FILE
DmCertEnroll.log	Records details about certificate enrollment data on mobile device legacy clients.	Client

LOG NAME	DESCRIPTION	COMPUTER WITH LOG FILE
DMCertResp.htm	Records the HTML response from the certificate server when the mobile device legacy client enroller program requests a PKI certificate.	Client
DmClientHealth.log	Records the GUIDs of all mobile device legacy clients that communicate with the management point that is enabled for mobile devices.	Site system server
DmClientRegistration.log	Records registration requests and responses to and from mobile device legacy clients.	Site system server
DmClientSetup.log	Records client setup data for mobile device legacy clients.	Client
DmClientXfer.log	Records client transfer data for mobile device legacy clients and for ActiveSync deployments.	Client
DmCommonInstaller.log	Records client transfer file installation for configuring mobile device legacy client transfer files.	Client
DmInstaller.log	Records whether DMInstaller correctly calls DmClientSetup, and whether DmClientSetup exits with success or failure for mobile device legacy clients.	Client
DmpDatastore.log	Records all the site database connections and queries made by the management point that is enabled for mobile devices.	Site system server
DmpDiscovery.log	Records all the discovery data from the mobile device legacy clients on the management point that is enabled for mobile devices.	Site system server
DmpHardware.log	Records hardware inventory data from mobile device legacy clients on the management point that is enabled for mobile devices.	Site system server
Dmplsapi.log	Records mobile device legacy client communication with a management point that is enabled for mobile devices.	Site system server
dmpmsi.log	Records the Windows Installer data for the configuration of a management point that is enabled for mobile devices.	Site system server

LOG NAME	DESCRIPTION	COMPUTER WITH LOG FILE
DMPSetup.log	Records the configuration of the management point when it's enabled for mobile devices.	Site system server
DmpSoftware.log	Records software distribution data from mobile device legacy clients on a management point that is enabled for mobile devices.	Site system server
DmpStatus.log	Records status messages data from mobile device clients on a management point that is enabled for mobile devices.	Site system server
DmSvc.log	Records client communication from mobile device legacy clients with a management point that is enabled for mobile devices.	Client
Fsplapi.log	Records details about communications to the fallback status point from mobile device legacy clients and client computers.	Site system server

OS deployment

The following table lists the log files that contain information related to OS deployment.

LOG NAME	DESCRIPTION	COMPUTER WITH LOG FILE
CAS.log	Records details when distribution points are found for referenced content.	Client
ccmsetup.log	Records ccmsetup tasks for client setup, client upgrade, and client removal. Can be used to troubleshoot client installation problems.	Client
CreateTSMedia.log	Records details for task sequence media creation.	Computer that runs the Configuration Manager console
Dism.log	Records driver installation actions or update application actions for offline servicing.	Site system server
Distmgr.log	Records details about the configuration of enabling a distribution point for Preboot Execution Environment (PXE).	Site system server
DriverCatalog.log	Records details about device drivers that have been imported into the driver catalog.	Site system server

LOG NAME	DESCRIPTION	COMPUTER WITH LOG FILE
mcsisapi.log	Records information for multicast package transfer and client request responses.	Site system server
mcsexec.log	Records health check, namespace, session creation, and certificate check actions.	Site system server
mcsmgr.log	Records changes to configuration, security mode, and availability.	Site system server
mcsprv.log	Records multicast provider interaction with Windows Deployment Services (WDS).	Site system server
MCSSetup.log	Records details about multicast server role installation.	Site system server
MCSMSI.log	Records details about multicast server role installation.	Site system server
Mcsperf.log	Records details about multicast performance counter updates.	Site system server
MP_ClientIDManager.log	Records management point responses to client ID requests that task sequences start from PXE or boot media.	Site system server
MP_DriverManager.log	Records management point responses to Auto Apply Driver task sequence action requests.	Site system server
OfflineServicingMgr.log	Records details of offline servicing schedules and update apply actions on operating system Windows Imaging Format (WIM) files.	Site system server
Setupact.log	Records details about Windows Sysprep and setup logs. For more information, see Log Files .	Client
Setupapi.log	Records details about Windows Sysprep and setup logs.	Client
Setuperr.log	Records details about Windows Sysprep and setup logs.	Client
smpisapi.log	Records details about the client state capture and restore actions, and threshold information.	Client
Smpmgr.log	Records details about the results of state migration point health checks and configuration changes.	Site system server

LOG NAME	DESCRIPTION	COMPUTER WITH LOG FILE
smpmsi.log	Records installation and configuration details about the state migration point.	Site system server
smpperf.log	Records the state migration point performance counter updates.	Site system server
smpxe.log	Records details about the responses to clients that use PXE boot, and details about the expansion of boot images and boot files.	Site system server
smssmpsetup.log	Records installation and configuration details about the state migration point.	Site system server
SMS_PhasedDeployment.log	Log file for phased deployments	Top-level site in the Configuration Manager hierarchy
Smsts.log	Records task sequence activities.	Client
TSAgent.log	Records the outcome of task sequence dependencies before starting a task sequence.	Client
TaskSequenceProvider.log	Records details about task sequences when they're imported, exported, or edited.	Site system server
loadstate.log	Records details about the User State Migration Tool (USMT) and restoring user state data.	Client
scanstate.log	Records details about the User State Migration Tool (USMT) and capturing user state data.	Client

Power management

The following table lists the log files that contain information related to power management.

LOG NAME	DESCRIPTION	COMPUTER WITH LOG FILE
pwrmgmt.log	Records details about power management activities on the client computer, including monitoring and the enforcement of settings by the Power Management Client Agent.	Client

Remote control

The following table lists the log files that contain information related to remote control.

LOG NAME	DESCRIPTION	COMPUTER WITH LOG FILE
CMRcViewer.log	Records details about the activity of the remote control viewer.	On the computer that runs the remote control viewer, in the %temp% folder.

Reporting

The following table lists the Configuration Manager log files that contain information related to reporting.

LOG NAME	DESCRIPTION	COMPUTER WITH LOG FILE
srsrp.log	Records information about the activity and status of the reporting services point.	Site system server
srsrpMSI.log	Records detailed results of the reporting services point installation process from the MSI output.	Site system server
srsrpsetup.log	Records results of the reporting services point installation process.	Site system server

Role-based administration

The following table lists the log files that contain information related to managing role-based administration.

LOG NAME	DESCRIPTION	COMPUTER WITH LOG FILE
hman.log	Records information about site configuration changes and the publishing of site information to Active Directory Domain Services.	Site server
SMSProv.log	Records WMI provider access to the site database.	Computer with the SMS Provider

Software metering

The following table lists the log files that contain information related to software metering.

LOG NAME	DESCRIPTION	COMPUTER WITH LOG FILE
mtrmgr.log	Monitors all software metering processes.	Site server

Software updates

The following table lists the log files that contain information related to software updates.

LOG NAME	DESCRIPTION	COMPUTER WITH LOG FILE
AlternateHandler.log	Records details when the client calls the Office click-to-run COM interface to download and install Microsoft 365 Apps for enterprise client updates. It's similar to use of WuaHandler when it calls the Windows Update Agent API to download and install Windows updates.	Client
ccmperf.log	Records activities related to the maintenance and capture of data related to client performance counters.	Client

LOG NAME	DESCRIPTION	COMPUTER WITH LOG FILE
DeltaDownload.log	Records information about the download of express updates and updates downloaded using Delivery Optimization.	Client
PatchDownloader.log	Records details about the process of downloading software updates from the update source to the download destination on the site server.	When downloading updates manually, this log file is located in the %temp% directory of the user running the console on the machine you're running the console. For Automatic Deployment Rules, this log file is located on the site server in %windir%\CCM\Logs, if the ConfigMgr client is installed on the site server.
PolicyEvaluator.log	Records details about the evaluation of policies on client computers, including policies from software updates.	Client
RebootCoordinator.log	Records details about the coordination of system restarts on client computers after software update installations.	Client
ScanAgent.log	Records details about scan requests for software updates, the WSUS location, and related actions.	Client
SdmAgent.log	Records details about the tracking of remediation and compliance. However, the software updates log file, Updateshandler.log, provides more informative details about installing the software updates that are required for compliance. This log file is shared with compliance settings.	Client
ServiceWindowManager.log	Records details about the evaluation of maintenance windows.	Client
SMS_ISVUPDATES_SYNCAGENT.log	Log file for synchronization of third-party software updates.	Top-level software update point in the Configuration Manager hierarchy.
SMS_OrchestrationGroup.log	Log file for orchestration groups	Site server
SmsWusHandler.log	Records details about the scan process for the Inventory Tool for Microsoft Updates.	Client
StateMessage.log	Records details about software update state messages that are created and sent to the management point.	Client

LOG NAME	DESCRIPTION	COMPUTER WITH LOG FILE
SUPSetup.log	Records details about the software update point installation. When the software update point installation completes, Installation was successful is written to this log file.	Site system server
UpdatesDeployment.log	Records details about deployments on the client, including software update activation, evaluation, and enforcement. Verbose logging shows additional information about the interaction with the client user interface.	Client
UpdatesHandler.log	Records details about software update compliance scanning and about the download and installation of software updates on the client.	Client
UpdatesStore.log	Records details about compliance status for the software updates that were assessed during the compliance scan cycle.	Client
WCM.log	Records details about software update point configurations and connections to the WSUS server for subscribed update categories, classifications, and languages.	Site server
WSUSCtrl.log	Records details about the configuration, database connectivity, and health of the WSUS server for the site.	Site system server
wsyncmgr.log	Records details about the software update sync process.	Site server
WUAHandler.log	Records details about the Windows Update Agent on the client when it searches for software updates.	Client

Wake On LAN

The following table lists the log files that contain information related to using Wake On LAN.

NOTE

When you supplement Wake On LAN by using wake-up proxy, this activity is logged on the client. For example, see CcmExec.log and SleepAgent_<domain>@SYSTEM_0.log in the [Client operations](#) section of this article.

LOG NAME	DESCRIPTION	COMPUTER WITH LOG FILE
----------	-------------	------------------------

LOG NAME	DESCRIPTION	COMPUTER WITH LOG FILE
wolcmgr.log	Records details about which clients need to be sent wake-up packets, the number of wake-up packets sent, and the number of wake-up packets retried.	Site server
wolmgr.log	Records details about wake-up procedures, such as when to wake up deployments that are configured for Wake On LAN.	Site server

Windows 10 servicing

The following table lists the log files that contain information related to Windows 10 servicing. Servicing uses the same infrastructure and process as software updates. For other logs applicable to the servicing scenario, see [Software updates](#).

LOG NAME	DESCRIPTION	COMPUTER WITH LOG FILE
CBS.log	Records servicing failures related to changes for Windows Updates or roles and features.	Client
DISM.log	Records all actions using DISM. If necessary, DISM.log will point to CBS.log for more details.	Client
setupact.log	Primary log file for most errors that occur during the Windows installation process. The log file is located in the %windir%\\$Windows.~BT\sources\panther folder.	Client

For more information, see [Online Servicing-Related Log Files](#).

Windows Update Agent

The following table lists the log files that contain information related to the Windows Update Agent.

LOG NAME	DESCRIPTION	COMPUTER WITH LOG FILE
WindowsUpdate.log	Records details about when the Windows Update Agent connects to the WSUS server and retrieves the software updates for compliance assessment, and whether there are updates to the agent components.	Client

For more information, see [Windows Update log files](#).

WSUS server

The following table lists the log files that contain information related to the WSUS server.

LOG NAME	DESCRIPTION	COMPUTER WITH LOG FILE
----------	-------------	------------------------

LOG NAME	DESCRIPTION	COMPUTER WITH LOG FILE
Change.log	Records details about WSUS server database information that has changed.	WSUS server
SoftwareDistribution.log	Records details about the software updates that are synced from the configured update source to the WSUS server database.	WSUS server

These log files are located in the `%ProgramFiles%\Update Services\LogFiles` folder.

See also

- [About log files](#)
- [Support Center OneTrace](#)
- [Support Center log file viewer](#)
- [CMTrace](#)