

# SCCM Log Files Updated List Client and Server

This post will know more about **SCCM Log Files Updated List for Client and Server**. Get the latest or updated list of SCCM Logs. The Configuration Manager logs are essential to troubleshoot an issue and fix those.

Configuration Manager's current branch and later versions of clients are installed with the built-in log reader tool CMTrace.exe. But there are newer or new SCCM Logs reading tools with the latest versions of SCCM.

Microsoft ConfigMgr Logs details are given in the last section of this post. Both the server and client-side SCCM logs file details are explained in this post.

In this post, you will see the **client-side** and **server-side** SCCM logs. SCCM Logs are your best friend in Troubleshooting issues.

SCCM logs are generated on the client and site server-side. The client and server components record process information in individual log files. The more detailed log files also can be produced by [enabling debug or verbose mode](#).

The SCCM log files are identified by **.log** or **.lo\_** file extensions. ConfigMgr writes to a .log file until that log reaches its maximum size.

**Client-Server communication** issues are very common in the SCCM world. Manier times, system admins resolve the issue after analyzing the SCCM Logs.

MEMCM's processes are usually invisible to end-users. Software updates, Configuration Items, Applications, etc., are installed on your computer "in the background.". The speed of the installation depends on the specifications of the computer.

As an end-user, you don't need to worry about SCCM Logs. The SCCM Logs are here to record the activities of each SCCM thread or component.

All SCCM Logs might get overwritten overtime automatically. You have an option to increase the size of the SCCM logs if required from the components.

There are different types of logs available for SCCM. The different types of **Client, Site Server** (Primary, SQL, CAS, etc.), & Site System Server (DP, MP, SUP, etc.) SCCM Logs.

Once you enable [Debug and Verbose logging](#) for the client and Server SCCM logs, it provides **additional information** on error conditions. However, you need to be very careful when you enable these settings in production.

## SCCM Logs - Viewing Tools

When I started SCCM (SMS) admin job, the SCCM logs reading tool was Trace32.exe. With SCCM 2012 and CB, the default SCCM logs reading tool CMTrace.exe became integrated with the products themselves. You don't have to download it separately. More details [Top SCCM Log File Viewer Options For Admins](#).

- *Trace32.exe* (SMS/SCCM 2007)
- *CMTrace.exe* (SCCM 2012 & CB)
- *CMLogViewer.exe* (SCCM CB)

## SCCM Logs Locations

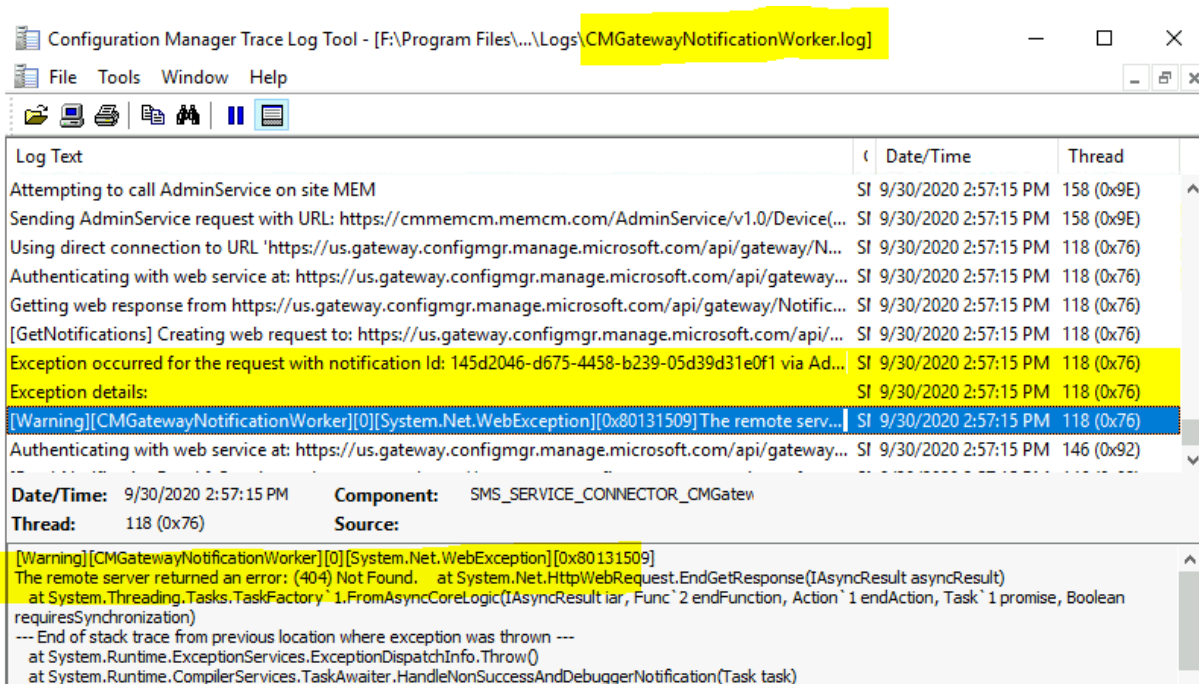
The default client log file location is the **%WINDIR%\CCM\Logs** folder. The SCCM server log files are located in the: Logs D:\Program Files\SMS\_CCM\Logs and F:\Program Files\Microsoft Configuration Manager\Logs folder.

Some other log folders are specifically called out in each section like **%Temp%**, C:\Windows\ccmsetup\Logs, etc.

## Tenant Attach SCCM Logs

You can find the SCCM tenant attached related log files from the following list. You can get a more detailed list of troubleshooting posts on [tenant attach](#); troubleshooting is also available.

- CMGatewayNotificationWorker.log
- AdminService.log



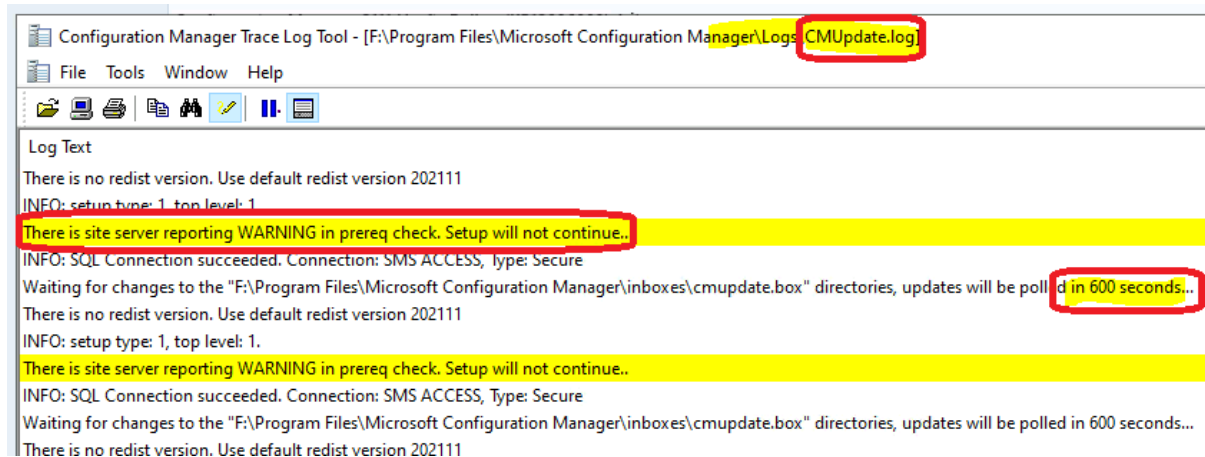
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## SCCM Upgrade Log Files

You can check SCCM upgrade process log files from the primary site server. F:\Program Files\Microsoft Configuration Manager\Logs.

- **DMPDownloader.log** for SCCM 2006 source file download issues.

- **ConfigMgrSetup.log** for Redist Files Download Issue.
- **CMUpdate.log** for all the upgrade related activities.
- If the update displays as **Downloading** and doesn't change, review the **hman.log** and **dmpdownloader.log** for errors.



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## Implicit Uninstall SCCM Log

Let's understand the new log file got introduced in the 2107 version of SCCM. This log is for getting track of [implicit uninstall](#).

- **SMS\_ImplicitUninstall.log** - Location of log file is at Site Server. The component related to this log file is SMS\_BUSINESS\_APP\_PROCESS\_MANAGER\_ImplicitUninstallWorker.

## CMG Remote Control

You can check the [Cloud Management Gateway](#) remote control-related log files in the following location.

- **cmreviewer.log** under %temp% folder.

## SCCM Application Approval Process Related Logs

Let's find out the application approval process-related logs if you have issues with the automatic approval process flow.

- SMS\_REST\_PROVIDER.log
- NotiCtrl.log

## Out of Band Hotfix SCCM Logs

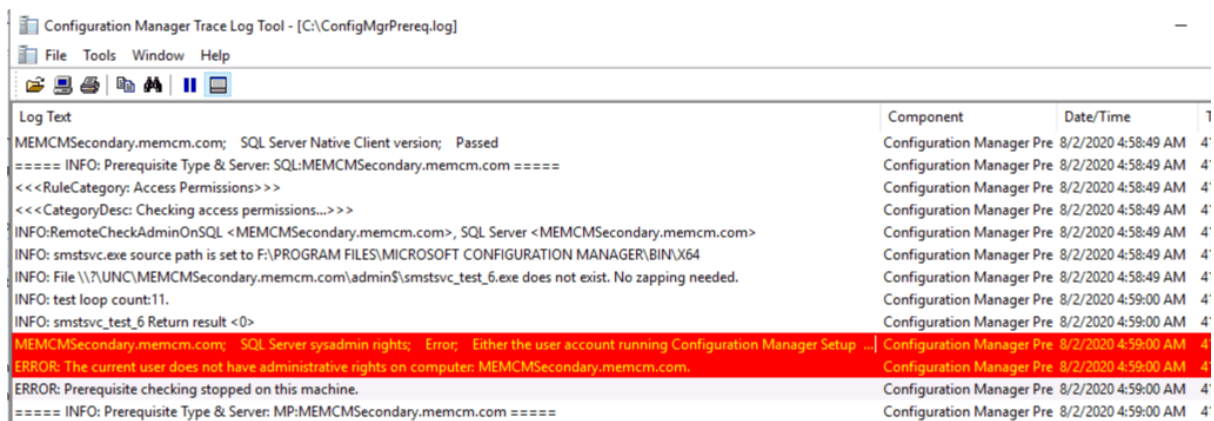
You can perform out-of-band hotfix installation-related [troubleshooting](#) from the following log file.

C:\Windows\Temp ==> **CMRegisterUpdate.log**

## Secondary Server

Now it's time to check the log files of the [SCCM secondary site](#). Also, you can check the location of the log files, which will help troubleshoot issues with the secondary site installation.

- Check the **ConfigMgrPreReq.log** on the **primary server**.
- Once the prerequisite is completed successfully, Refer the following **logs** on the new **secondary server**.**smstvc.log** for secondary server installation-related log on secondary server C:\.
  - **SMS\_BootStrap.log** on secondary server C:\.
  - **ConfigMgrSetupWizard.log** is not useful for secondary server installation.
  - **ConfigMgrSetup.log** to validate the installation of the secondary server.



Log Text	Component	Date/Time	
MEMCMSecondary.memcm.com; SQL Server Native Client version; Passed	Configuration Manager Pre	8/2/2020 4:58:49 AM	4'
==== INFO: Prerequisite Type & Server: SQL:MEMCMSecondary.memcm.com =====	Configuration Manager Pre	8/2/2020 4:58:49 AM	4'
<<<RuleCategory: Access Permissions>>>	Configuration Manager Pre	8/2/2020 4:58:49 AM	4'
<<<CategoryDesc: Checking access permissions...>>>	Configuration Manager Pre	8/2/2020 4:58:49 AM	4'
INFO:RemoteCheckAdminOnSQL <MEMCMSecondary.memcm.com>, SQL Server <MEMCMSecondary.memcm.com>	Configuration Manager Pre	8/2/2020 4:58:49 AM	4'
INFO: smstsvc.exe source path is set to F:\PROGRAM FILES\MICROSOFT CONFIGURATION MANAGER\BIN\X64	Configuration Manager Pre	8/2/2020 4:58:49 AM	4'
INFO: File \\?\UNC\MEMCMSecondary.memcm.com\admin\$\smstsvc_test_6.exe does not exist. No zapping needed.	Configuration Manager Pre	8/2/2020 4:58:49 AM	4'
INFO: test loop count:11.	Configuration Manager Pre	8/2/2020 4:59:00 AM	4'
INFO: smstsvc_test_6 Return result <0>	Configuration Manager Pre	8/2/2020 4:59:00 AM	4'
MEMCMSecondary.memcm.com; SQL Server sysadmin rights; Error; Either the user account running Configuration Manager Setup	Configuration Manager Pre	8/2/2020 4:59:00 AM	4'
ERROR: The current user does not have administrative rights on computer: MEMCMSecondary.memcm.com.	Configuration Manager Pre	8/2/2020 4:59:00 AM	4'
ERROR: Prerequisite checking stopped on this machine.	Configuration Manager Pre	8/2/2020 4:59:00 AM	4'
==== INFO: Prerequisite Type & Server: MP:MEMCMSecondary.memcm.com =====	Configuration Manager Pre	8/2/2020 4:59:00 AM	4'

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## SCCM DP Logs

You can find the SCCM Distribution point-related SCCM logs in the following table. You can read more about the installation of the [distribution points](#).

distmgr.log	Package Application distribution process
PkgXferMgr.log	Records the actions of the SMS_Executive component responsible for sending content from an SCCM primary site to a remote DP.

### ConfigMgr DP Logs

Apart from DistMgr.log, you will need to refer to the following logs to get the DP installation and Configuration details. **DP Installation** and **Configuration-related Log Files**.

- **Hman.log** – Primary Server – Example – New site system: MEM WIN11DJ.MEMCM.COM SMS Distribution Point
- **DistMgr.log** – Primary or Secondary Server – All the details about the DP installation and Configuration.
- **SMSdpprov.log** on remote DP (Windows 11 PC) – Location of the log Drive:\SMS\_DP\$\sms\logs.

- **SMSdpusage.log** on remote DP – Monitor the usage of the DP. Location of the log Drive:\SMS\_DP\$\sms\logs.
- **SMSPXE.log** on remote DP – Helps with PXE responder information.

## SCCM MP Logs

You can now look at the [SCCM management point](#) related SCCM logs to troubleshoot and install MP.

mpcontrol.log Records the availability of the management point every 10 minutes.

MP.MSI.log More details log about MP installation

mpsetup.log Installation of Management Point

### ConfigMgr MP Logs

## SCCM SUP Logs

You can find the [Software Update Point](#) related SCCM logs in the following table. These log files help to troubleshoot and resolve issues about SUP.

SUPSetup.log Installation Logs for SUP role

WCM.log Records details about the SUP configuration

WSUSCtrl.log Records details about the configuration, database connectivity, and health of the WSUS server for the site.

wsyncmgr.log Records details about the software updates sync process.

### ConfigMgr SUP Logs

## SCCM Third-Party Patching Logs

The following list of SCCM logs helps you troubleshoot and resolve issues related to [SCCM third party patching](#).

- **SMS\_ISVUPDATES\_SYNCAGENT.log**
- **Wsyncmgr.log**
- **WCM.log (C:\Program Files\Microsoft Configuration Manager\Logs)**
- **PatchDownloader.log (%temp%)**

Configuration Manager Trace Log Tool - [C:\Windows\ccmsetup\Logs\ccmsetup.log]

File Tools Window Help

Log Text

MSI: Action 18:03:57: RemoveExistingProducts. Removing applications

File C:\Windows\ccmsetup\{AFEBCEB6-C9FE-4BF6-9C63-24020C95EF03}\client.msi installation succeeded.

C:\Windows\CCM\clientstate.dat exists after client.msi run.

Could not retrieve value for MDM\_ConfigSetting . Error 0x80041002

Updating MDM\_ConfigSetting.ClientHealthStatus with value 1

Sending state '400'...

Updating MDM\_ConfigSetting.ClientDeploymentErrorCode with value 0

[5.00.9068.1012] Params to send '5.0.9068.1008 Deployment [SMB] C:\SCCM Client\Client\'

<ClientDeploymentMessage ErrorCode="0"><Client Baseline="1" BaselineCookie="" Platform="2" Langs=""/><Packa

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## Software Update Logs - Patching Related Issues

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 the use of WuaHandler when it reaches 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
DeltaDownload.log	Records information about the download of express updates and updates downloaded using Delivery Optimization.SCCM Logs	Client
PatchDownloader.log	Records details about the process of downloading software updates from the update source to the download	When downloading updates manually, this log file is located in the %temp% directory of the user running the

	destination on the site server.	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 restart on client computers after software update installations.	Client
ScanAgent.log	Records details about scan requests for software updates, the WSUS location, and related actions.SCCM Logs	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 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	Logfile for synchronization of third-party software updates.	Top-level software update point in the Configuration Manager hierarchy.

SMS_OrchestrationGroup.log	Logfile 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
SUPSetup.log	Records details about the software update point installation. When the software update point installation completes, <b>Installation was successful</b> 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 the download and installation of software updates on the client.	Client
UpdatesStore.log	Records details about compliance status for the software updates 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,	Site server



	classifications, and languages.	
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

SCCM logs List of Logs in the Table

## Wake on Lan SCCM logs

Log name	Description	Computer with log file
wolcmgr.log	Records details 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 configured for Wake On LAN.	Site server

All Credits to Microsoft Doc SCCM logs

## Windows 10 or Windows 11 Servicing SCCM logs

You can have more details about Windows 10 (Windows 11) Deployment [Upgrade Process](#) [Logs](#) for SCCM Admins. The following SCCM logs will help you troubleshoot Windows 10 and Windows 11 servicing with SCCM.

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.	

All Credits to Microsoft

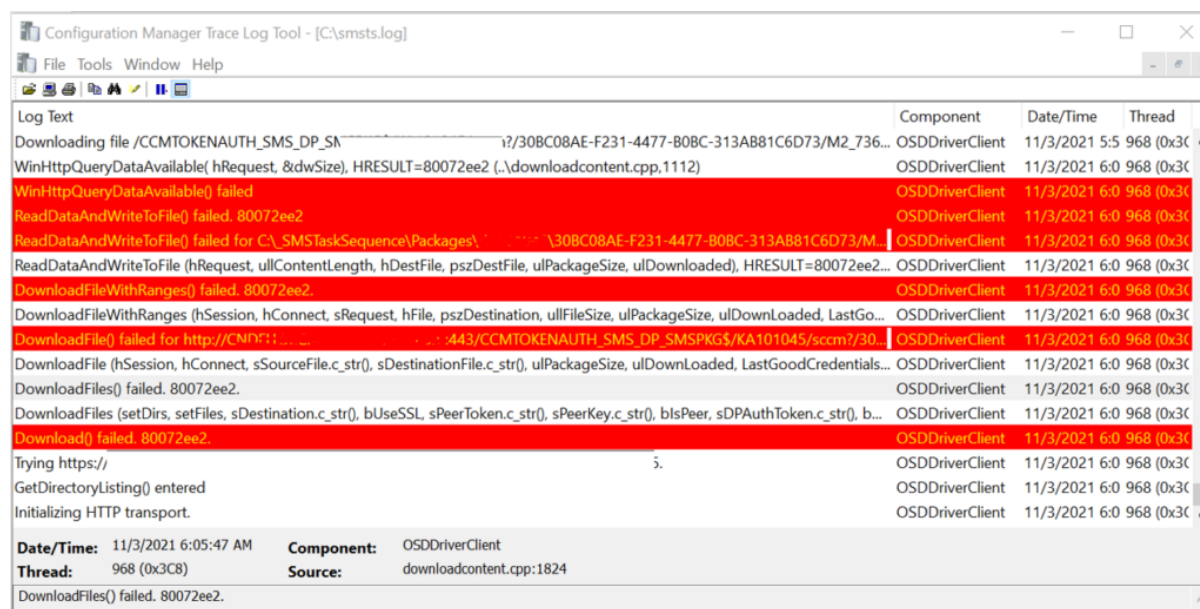
## WUA Logs

The following tables come with Windows Update Agent-related SCCM logs.

Log name	Description	Computer with log file
WindowsUpdate.log	Records details 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
All Credits to Microsoft Doc		

## WSUS Logs

Well, if you want to find out the SCCM logs that are related to WSUS? The below table has two of those.



The screenshot shows the Configuration Manager Trace Log Tool interface. The main pane displays a log entry with the following details:

Log Text	Component	Date/Time	Thread
Downloading file /CCMTOKENAUTH_SMS_DP_SNA...i?/30BC08AE-F231-4477-80BC-313AB81C6D73/M2_736...	OSDDriverClient	11/3/2021 5:5	968 (0x3C)
WinHttpRequestDataAvailable( hRequest, &dwSize), HRESULT=80072ee2 (..\downloadcontent.cpp,1112)	OSDDriverClient	11/3/2021 6:0	968 (0x3C)
WinHttpRequestDataAvailable() failed.	OSDDriverClient	11/3/2021 6:0	968 (0x3C)
ReadDataAndWriteToFile() failed. 80072ee2	OSDDriverClient	11/3/2021 6:0	968 (0x3C)
ReadDataAndWriteToFile() failed for CA_SMSTaskSequence\packages\... \30BC08AE-F231-4477-80BC-313AB81C6D73/M...	OSDDriverClient	11/3/2021 6:0	968 (0x3C)
ReadDataAndWriteToFile (hRequest, ullContentLength, hDestFile, pszDestFile, ulPackageSize, ulDownloaded), HRESULT=80072ee2...	OSDDriverClient	11/3/2021 6:0	968 (0x3C)
DownloadFileWithRanges() failed. 80072ee2.	OSDDriverClient	11/3/2021 6:0	968 (0x3C)
DownloadFileWithRanges (hSession, hConnect, sRequest, hFile, pszDestination, ullFileSize, ulPackageSize, ulDownloaded, LastGo...	OSDDriverClient	11/3/2021 6:0	968 (0x3C)
DownloadFile() failed for http://CN0011... :443/CCMTOKENAUTH_SMS_DP_SMSG\$KA101045/sccm?/30...	OSDDriverClient	11/3/2021 6:0	968 (0x3C)
DownloadFile (hSession, hConnect, sSourceFile.c_str(), sDestinationFile.c_str(), ulPackageSize, ulDownloaded, LastGoodCredentials...	OSDDriverClient	11/3/2021 6:0	968 (0x3C)
DownloadFiles() failed. 80072ee2.	OSDDriverClient	11/3/2021 6:0	968 (0x3C)
DownloadFiles (setDirs, setFiles, sDestination.c_str(), bUseSSL, sPeerToken.c_str(), sPeerKey.c_str(), blsPeer, sDPAuthToken.c_str(), b...	OSDDriverClient	11/3/2021 6:0	968 (0x3C)
Download() failed. 80072ee2.	OSDDriverClient	11/3/2021 6:0	968 (0x3C)
Trying https://	OSDDriverClient	11/3/2021 6:0	968 (0x3C)
GetDirectoryListing() entered	OSDDriverClient	11/3/2021 6:0	968 (0x3C)
Initializing HTTP transport.	OSDDriverClient	11/3/2021 6:0	968 (0x3C)

Summary information at the bottom:

- Date/Time: 11/3/2021 6:05:47 AM
- Component: OSDDriverClient
- Thread: 968 (0x3C8)
- Source: downloadcontent.cpp:1824

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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 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.

## ConfigMgr Metering Logs

Log name	Description	Computer with log file
mtrmgr.log	Monitors all software metering processes.	Site server
All Credits to Microsoft Doc		

## Server Side - SCCM Logs

SCCM Server-side logs to troubleshoot server-side issues.

Use the following logs located on the service connection point:

- **CMGatewaySyncUploadWorker.log**
- **CMGatewayNotificationWorker.log**

## SCCM Logs FAQs

Let's see the frequently asked questions related to the SCCM Clog files.

### Where is the SCCM Server Logs Location?

**DRIVE-Letter:\Program Files\Microsoft Configuration Manager\Logs**

### Where is the SCCM Client Logs Location?

Windows 10 Device - **C:\Windows\CCM\Logs**

### What are the DP Logs?

dismgr.log & PkgXferMgr.log

### What are the SCCM MP Logs?

mpcontrol.log, MP.MSI.log, and mpsetup.log

### What are the SCCM SUP Logs?

SUPSetup.log, WCM.log, WSUSCtrl.log, and wsyncmgr.log

## More SCCM Logs Details at one place

General SCCM log files are listed in the following table.

SCCM Logs	Description
adctrl.log	Records enrollment processing activity.
ADForestDisc.log	Records Active Directory Forest Discovery actions.

ADService.log	Records account creation and security group details in Active Directory.
adsgdis.log	Records Active Directory Group Discovery actions.
adsysdis.log	Records Active Directory System Discovery actions.
adusrdis.log	Records Active Directory User Discovery actions.
ccm.log	Records client push installation activities.
CertMgr.log	Records certificate activities for intrasite communication.
chmgr.log	Records activities of the client health manager. SCCM Logs help to identify health issues.
Cidm.log	Records changes to the client settings by the Client Install Data Manager (CIDM).
colleval.log	Records details when collections are created, changed and deleted by the Collection Evaluator.
compmon.log	Records the status of component threads monitored for the site server.
compsumm.log	Records Component Status Summarizer tasks.
ComRegSetup.log	Records the initial installation of COM registration results for a site server.
dataldr.log	Records information about MIF files and hardware inventory processing in the SCCM database.
ddm.log	Records activities of the discovery data manager.
despool.log	Records incoming site-to-site communication transfers.
distmgr.log	Records details package creation, compression, delta replication, and information updates.
EPCtrlMgr.log	Records information about the syncing of malware threat information from the Endpoint Protection site system role server with the SCCM database.
EPMgr.log	Records the status of the Endpoint Protection site system role.
EPSetup.log	Provides information about the installation of the Endpoint Protection site system role.
EnrollSrv.log	Records activities of the enrollment service process.
EnrollWeb.log	Records activities of the enrollment website process.
fspmgr.log	Records activities of the fallback status point site system role.

hman.log	Records information about site configuration changes and the publishing of site information in Active Directory Domain Services.
Inboxast.log	Records the files moved from the management point to the corresponding INBOXES folder on the site server.
inboxmgr.log	Records file transfer activities between inbox folders.
inboxmon.log	Records the processing of inbox files and performance counter updates.
invproc.log	Records the forwarding of MIF files from a secondary site to its parent site.
migmctrl.log	Records information for Migration actions that involve migration jobs, shared distribution points and distribution point upgrades.
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.
mpfdm.log	Records the management point component's actions that move client files to the corresponding INBOXES folder on the site server.
mpMSI.log	Records details about the management point installation.
MPSetup.log	Records the management point installation wrapper process.
netdisc.log	Records Network Discovery actions.
NotiCtrl.log	Application request notifications.
ntsvrdis.log	Records the discovery activity of site system servers.
Objreplmgr	Records the processing of object change notifications for replication.
offermgr.log	Records advertisement updates.
offersum.log	Records the summarization of deployment status messages.
OfflineServicingMgr.log	Records the activities of applying updates to operating system image files.
outboxmon.log	Records the processing of outbox files and performance counter updates.
PerfSetup.log	Records the results of the installation of performance counters.
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.
policypv.log	Records are updated to the client policies to reflect client settings or deployments changes.

rcmctrl.log	Records the activities of database replication between sites in the hierarchy.
replmgr.log	Records the replication of files between the site server components and the Scheduler component.
ResourceExplorer.log	Records errors, warnings, and information about running Resource Explorer.
ruleengine.log	Records details automatic deployment rules for the identification, content download, and software update group and deployment creation.
schedule.log	Records details about the site-to-site job and file replication.
sender.log	Records the files that transfer by file-based replication between sites.
sinvproc.log	Records information about the processing of software inventory data to the site database.
sitecomp.log	Records details about the maintenance of the installed site components on all site system servers.
sitectl.log	Records site setting changes made to site control objects in the database.
sitestat.log	Records the availability and disk space monitoring process of all site systems.
SMS_ISVUPDATES_SYNCAGENT.log	Logfile for synchronization of third-party software updates starting in SCCM version 1806.
SMS_PhasedDeployment.log	Logfile for phased deployments
SmsAdminUI.log	Records SCCM console activity. SCCM logs record activities related to the admin console?
SMSAWEBSVCSetup.log	Records the installation activities of the Application Catalog web service.
smsbkup.log	Records output from the site backup process.
smsdbmon.log	Records database changes.
SMSENROLLSRVSetup.log	Records the installation activities of the enrollment web service.
SMSENROLLWEBSetup.log	Records the installation activities of the enrollment website.
smsexec.log	Records the processing of all site server component threads.
SMSFSPSetup.log	Records messages generated by the installation of a fallback status point.
SMSPORTALWEBSetup.log	Records the installation activities of the Application Catalog website.
SMSProv.log	Records WMI provider access to the site database.
srsrpMSI.log	Records detailed results of the reporting point installation process from the MSI output.

srsrpsetup.log	Records results of the reporting point installation process.
statesys.log	Records the processing of state system messages.
statmgr.log	Records the writing of all status messages to the database.
swmproc.log	Records the processing of metering files and settings.
ConfigMgrPrereq.log	Records prerequisite component evaluation and installation activities.
ConfigMgrSetup.log	Records detailed output from the site server setup.
ConfigMgrSetupWizard.log	Records information related to activity in the Setup Wizard.
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.
smstsvc.log	Records information about the installation, use, and removal of a Windows service used to test network connectivity and permissions between servers, using the server's computer account that initiates the connection.
DWSSMSI.log	Records messages generated by the installation of a data warehouse service point.
DWSSSetup.log	Records messages generated by the installation of a data warehouse service point.
Microsoft.ConfigMgrDataWarehouse.log	Records information about data synchronization between the site and warehouse databases.
FspIsapi	Records details about communications to the fallback status point from mobile device legacy clients and client computers.
fspMSI.log	Records messages generated by the installation of a fallback status point.
fspmgr.log	Records activities of the fallback status point site system role.
CcmIsapi.log	Records client messaging activity on the endpoint.
MP_CliReg.log	Records the client registration activity processed by the management point.
MP_Ddr.log	Records the conversion of XML.ddr records from clients and then copies them to the site server.
MP_Framework.log	Records the activities of the core management point and client framework components.
MP_GetAuth.log	Records client authorization activity.
MP_GetPolicy.log	Records policy requests activity from client computers.

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.
MP_Location.log	Records location requests and reply activity from clients.
MP_OOBMgr.log	Records the management point activities related to receiving an OTP from a client.
MP_Policy.log	Records policy communication.
MP_Relay.log	Records the transfer of files that are collected from the client.
MP_Retry.log	Records hardware inventory retry processes.
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.
MP_SinvCollFile.log	Records details about file collection.
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.
mpcontrol.log	Records the registration of the management point with WINS. Records the availability of the management point every 10 minutes.
mpfdm.log	Records the management point component's actions that move client files to the corresponding INBOXES folder on the site server.
mpMSI.log	Records details about the management point installation.
MPSetup.log	Records the management point installation wrapper process. SCCM logs help to check the MP setup details.
objreplmgr.log	Records details about the replication of software updates notification files from a parent site to child sites.
PatchDownloader.log	Records details about the process of downloading software updates from the update source to the download destination on the site server.
ruleengine.log	Records details automatic deployment rules for the identification, content download, and software update group and deployment creation.
SMS_ISVUPDATES_SYNCAGENT.log	Logfile for synchronization of third-party software updates starting in SCCM version 1806.
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.
WCM.log	Records details about the software update point configuration and connections to the WSUS



	server for subscribed update categories, classifications, and languages.
WSUSCtrl.log	Records details about the configuration, database connectivity, and health of the WSUS server for the site.
wsyncmgr.log	Records details about the software updates sync process.
WUSSyncXML.log	Records details about the Inventory Tool for the Microsoft Updates sync process.
AppIntentEval.log	Records details applications' current and intended state, their applicability, whether requirements were met, deployment types, and dependencies.
AppDiscovery.log	Records details about the discovery or detection of applications on client computers.
AppEnforce.log	Records details about enforcement actions (install and uninstall) taken for applications on the client.
awebsctl.log	Records monitoring activities for the Application Catalog web service point site system role.
awebsvcMSI.log	Records detailed installation information for the Application Catalog web service point site system role.
Ccmsdkprovider.log	Records the activities of the application management SDK.
colleval.log	Records details when collections are created, changed and deleted by the Collection Evaluator.
ConfigMgrSoftwareCatalog.log	Records the activity of the Application Catalog, which includes its use of Silverlight.
NotiCtrl.log	Application request notifications. SCCM logs help to get the details of the notification that client received.
portlctl.log	Records the monitoring activities for the Application Catalog website point site system role.
portlwebMSI.log	Records the MSI installation activity for the Application Catalog website role.
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.
ServicePortalWebService.log	Records the activity of the Application Catalog web service.
ServicePortalWebSite.log	Records the activity of the Application Catalog website.
SMSdpmon.log	Records details about the distribution point health monitoring scheduled task configured on a distribution point.

SoftwareCatalogUpdateEndpoint.log	Records activities for managing the URL for the Application Catalog shown in Software Center.
SoftwareCenterSystemTasks.log	Records activities related to Software Center prerequisite component validation.
colleval.log	Records details when collections are created, changed and deleted by the Collection Evaluator.
execmgr.log	Records details about packages and task sequences that run. SCCM logs help to record SMS Agent Host service activities.
AssetAdvisor.log	Records the activities of Asset Intelligence inventory actions.
aikbmgr.log	Records details about the processing of XML files from the inbox for updating the Asset Intelligence catalog.
AIUpdateSvc.log	Records the interaction of the Asset Intelligence sync point with System Center Online (SCO), the online web service.
AIUSMSI.log	Records details about the installation of the Asset Intelligence sync point site system role.
AIUSSetup.log	Records details about the installation of the Asset Intelligence sync point site system role.
ManagedProvider.log	Records details about discovering software with an associated software identification tag. It also records activities related to hardware inventory.
MVLSImport.log	Records details about the processing of imported licensing files.
ConfigMgrSetup.log	Records information about setup and recovery tasks when SCCM recovers a site from backup.
Smsbkup.log	Records details about the site backup activity.
smssqlbkup.log	Records output from the site database backup process when SQL Server is installed on a server, not the site server.
Smswriter.log	Records information about the state of the SCCM VSS writer used by the backup process.
Crp.log	Records enrollment activities. SCCM logs related to enrollment activities are going to help us.
Crpctrl.log	Records the operational health of the certificate registration point.
Crpsetup.log	Records details about the installation and configuration of the certificate registration point.
Crpmsi.log	Records details about the installation and configuration of the certificate registration point.
NDESPlugin.log	Records challenge verification and certificate enrollment activities.
SCCM Log Files Updated List Client and Server	

## RBAC Related Issues - SCCM Logs

SCCM RBAC-related SCCM logs are available in the below table.

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
SCCM Logs		

## SCCM Configuration Manager Client Logs

Let's analyze the ConfigMgr or SCCM client logs from the Windows 10 or Windows 11 device. It's important to understand the log file structure from the client-side for the initial troubleshooting of the [SCCM Tenant attach](#).

Location of the client logs files - C:\Windows\CCM\Logs

## Toast Notification Logs

When you have trouble getting **toast notification** from the client-side, you can refer to the following location from Windows 10 ConfigMgr Client.

Log File	Description
<a href="#">SCToastNotification_&lt;domain&gt;@&lt;username&gt;.1.log</a>	Toast Notification - Toast Notification Related Activities are stored here.

ConfigMgr Client Logs Details | SCCM

Configuration Manager Trace Log Tool - [C:\Windows\CCM\Logs\SCToastNotification_MEMCM@anoop_2.log]	
File Tools Window Help	
Log Text	
Client is running .Net Version4.0.30319.42000 (Microsoft.SoftwareCenter.Client.ToastNotification.App at Main)	SCToastNotification
Toast notification process started with command line Installation failed The software installation was not successful. Click to view the de...	SCToastNotification
The command line has 2 arguments (Microsoft.SoftwareCenter.Client.ToastNotification.App at Main)	SCToastNotification
The toast has timed out (Microsoft.SoftwareCenter.Client.ToastNotification.App at ToastDismissed)	SCToastNotification
Starting up... (Microsoft.SoftwareCenter.Client.ToastNotification.App at Main)	SCToastNotification
Client is running .Net Version4.0.30319.42000 (Microsoft.SoftwareCenter.Client.ToastNotification.App at Main)	SCToastNotification
Toast notification process started with command line Restart Required This computer will restart in 1 hour 29 minutes to complete the i...	SCToastNotification
The command line has 2 arguments (Microsoft.SoftwareCenter.Client.ToastNotification.App at Main)	SCToastNotification

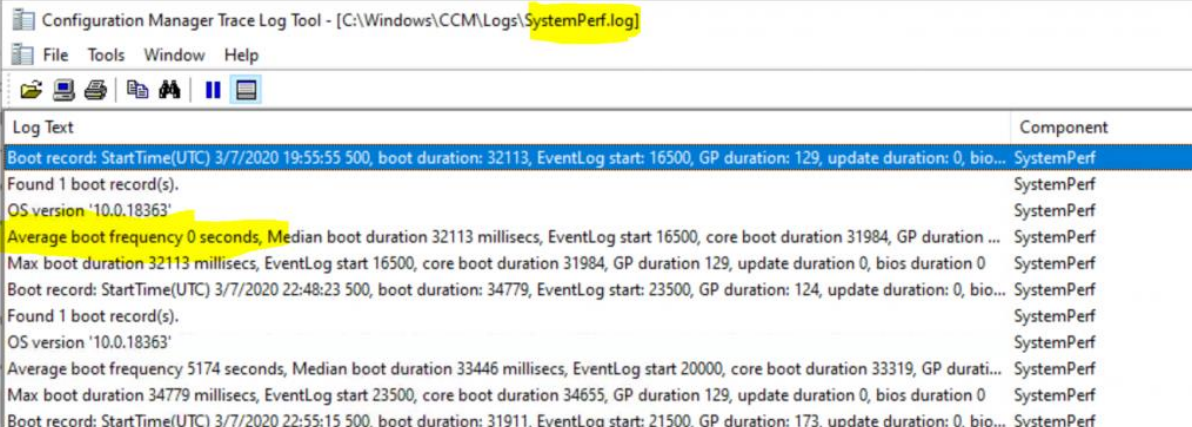
SCCM Log Files Updated List Client and Server

## Endpoint Analytics Logs

You can refer to the following log files related to [endpoint analytics](#) from the Windows 10 client device.

Log File	Description
SystemTempLockdown.log	Endpoint Analytics - Records system temp lock down configuration details
SensorWmiProvider.log	Endpoint Analytics - Records the activity of the WMI provider for the endpoint analytics sensor.
SensorEndpoint.log	Endpoint Analytics - Records the execution of endpoint analytics policy and uploads client data to the site server.
SensorManagedProvider.Log	Endpoint Analytics - Records the gathering and processing of events and information for endpoint analytics.
SystemPerf.log	Endpoint Analytics - System Performance details are recorded endpoint

#### ConfigMgr Client Logs Details | SCCM



The screenshot shows the Configuration Manager Trace Log Tool interface. The title bar reads 'Configuration Manager Trace Log Tool - [C:\Windows\CCM\Logs\SystemPerf.log]'. The menu bar includes 'File', 'Tools', 'Window', and 'Help'. Below the menu is a toolbar with icons for opening files, saving, printing, and other standard functions. The main area is a table with two columns: 'Log Text' and 'Component'. The log text contains boot records and performance metrics, with some entries highlighted in yellow in the original image. The component column consistently shows 'SystemPerf'.

Log Text	Component
Boot record: StartTime(UTC) 3/7/2020 19:55:55 500, boot duration: 32113, EventLog start: 16500, GP duration: 129, update duration: 0, bio...	SystemPerf
Found 1 boot record(s).	SystemPerf
OS version '10.0.18363'	SystemPerf
Average boot frequency 0 seconds, Median boot duration 32113 millisecs, EventLog start 16500, core boot duration 31984, GP duration ...	SystemPerf
Max boot duration 32113 millisecs, EventLog start 16500, core boot duration 31984, GP duration 129, update duration 0, bios duration 0	SystemPerf
Boot record: StartTime(UTC) 3/7/2020 22:48:23 500, boot duration: 34779, EventLog start: 23500, GP duration: 124, update duration: 0, bio...	SystemPerf
Found 1 boot record(s).	SystemPerf
OS version '10.0.18363'	SystemPerf
Average boot frequency 5174 seconds, Median boot duration 33446 millisecs, EventLog start 20000, core boot duration 33319, GP durati...	SystemPerf
Max boot duration 34779 millisecs, EventLog start 23500, core boot duration 34655, GP duration 129, update duration 0, bios duration 0	SystemPerf
Boot record: StartTime(UTC) 3/7/2020 22:55:15 500, boot duration: 31911, EventLog start: 21500, GP duration: 173, update duration: 0, bio...	SystemPerf

SCCM Log Files Updated List Client and Server SCCM Log Files Updated List Client and Server

## Software Center Logs

This guide section shall help you understand the log files related to Software Center associated tasks.

Log	Description
SoftwareCenterSystemTasks.log	Software Center - Records activities related to Software Center prerequisite component validation
SCClient_<domain>@<username>_1.log SCClient_MEMCM@anoop_2.log	Software Center - Records the activity in Software Center for the specified user on the client computer
SCClient_<domain>@<username>_1.log SCClient_MEMCM@anoop_6.log	Software Center - Records the activity in Software Center for the specified user on the client computer

SCCM Log Files Updated List Client and Server

Configuration Manager Trace Log Tool - [C:\Windows\CCM\Logs\SoftwareCenterSystemTasks.log]	
File Tools Window Help	
Log Text	
CSoftwareCenterHandler::StartNotifSysProcess: Started a notification system on session 2	SoftwareCenterSystemTask
CSoftwareCenterHandler::GetNotifSysAppInfo: Notification system application: C:\windows\CCM\SCNotification.exe	SoftwareCenterSystemTask
CSoftwareCenterHandler::HandledUserLogon: SCNotification was already running on this system, no need to restart.	SoftwareCenterSystemTask
CSoftwareCenterLogonTask:: End: Software Center System logon task completed successfully.	SoftwareCenterSystemTask
CSoftwareCenterHandler::CheckDotNetFrameworkWithVersion: Validate .Net Framework 3.0 ...	SoftwareCenterSystemTask
CSoftwareCenterHandler::CheckDotNetFrameworkWithVersion: .Net Framework isn't installed on this machine	SoftwareCenterSystemTask
CSoftwareCenterHandler::CheckDotNetFrameworkWithVersion: Validate .Net Framework 3.5 ...	SoftwareCenterSystemTask
CSoftwareCenterHandler::CheckDotNetFrameworkWithVersion: .Net Framework isn't installed on this machine	SoftwareCenterSystemTask

SCCM Log Files Updated List Client and Server

## Office 365 Related Logs

[Office](#) related logs are documented in this section and the **software update** section below.

Log	Description
<b>OfficeAnalytics.log</b>	Office - Office device inventory details

Configuration Manager Trace Log Tool - [C:\Windows\CCM\Logs\OfficeAnalytics.log]	
File Tools Window Help	
Log Text	
Created office addin instance 'CCM_OfficeAddin.Architecture="x64",Id="oscaddin.connect",OfficeApp="Outlook",Type="Com"' in WMI.	OfficeAnalyticsEndpoint
Completed calling addin method for office inventory data	OfficeAnalyticsEndpoint
Deleting all old document metric data from WMI	OfficeAnalyticsEndpoint
Completed calling officemetric method for office inventory data	OfficeAnalyticsEndpoint
Completed calling VBA scan results summary method for office inventory data	OfficeAnalyticsEndpoint
Deleting all vba scan summary data from WMI	OfficeAnalyticsEndpoint
Starting to add vba scan summary data to WMI	OfficeAnalyticsEndpoint
Created office vba scan summary instance 'CCM_OfficeVbaScanResultsSummary=@' in WMI.	OfficeAnalyticsEndpoint

SCCM Log Files Updated List Client and Server

## Software Update Logs

This section of the guide shall help you understand the log files related to **Software Update** related tasks.

Log	Description
<b>AlternateHandler.log</b>	Software Updates - Microsoft 365 Apps for enterprise client updates
<b>UpdatesStore.log</b>	Software Updates - Records details about compliance status for the software updates that were assessed during the compliance scan cycle
<b>ScanAgent.log</b>	Software Updates - Records details about scan requests for software updates, the WSUS location, and related actions
<b>UpdatesHandler.log</b>	Software Updates - Records details about software update compliance scanning and the download and installation
<b>StateMessage.log</b>	Software Updates - Records details about software update state messages that are created and sent to the MP
<b>WUAHandler.log</b>	Software Updates - Records details about the Windows Update Agent on the client when it searches for software updates

Log	Description
<b>DeltaDownload.log</b>	Software Updates - Records information about the download of express updates & updates downloaded using DO

SCCM Log Files Updated List Client and Server

## PowerShell Script - SCCM Log Files Updated List Client and Server

This section of the guide shall help you understand the log files related to **PowerShell** script-related tasks.

Log	Description
Scripts.log	PowerShell Scripts - Run Script Related Activities are recorded here

SCCM Log Files Updated List Client and Server



ConfigMgr Client Logs Details | SCCM

## General SCCM Client Logs

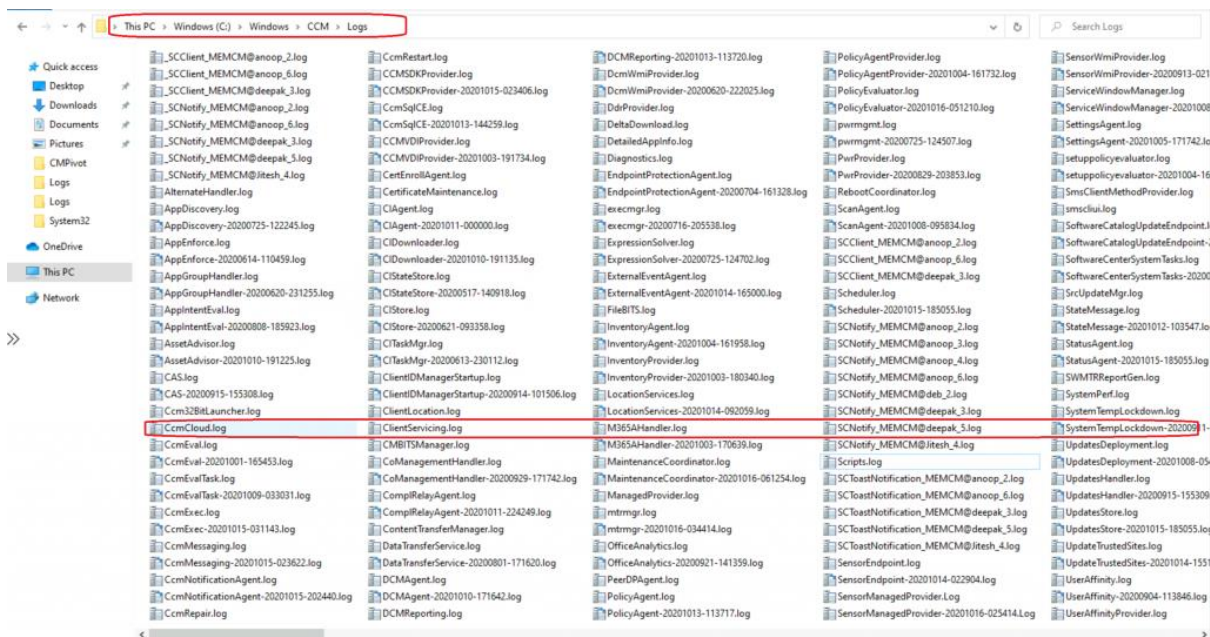
This section covers all the **general categories** of the logs.

Log	Description
CertificateMaintenance.log	General - Maintains certificates for Active Directory Domain Services and MP.
LocationServices.log	General - MP/SUP/DP Details - Records the client activity for locating management points, software update points, and distribution points.
UpdateTrustedSites.log	General - Record Details of trusted sites - Add Default Portal To Trusted Sites.
Ccm32BitLauncher.log	General - Records actions for starting applications on the client, marked run as 32 bit.
CCMSDKProvider.log	General - Records activities for the client SDK interfaces
CcmSqlCE.log	General - Records activities for the SQL Server Compact Edition (CE) that the client uses
Scheduler.log	General - Records activities of scheduled tasks for all client operations



<b>Log</b>	<b>Description</b>
CcmExec.log	General - Records activities of the client and the SMS Agent Host service
CcmMessaging.log	General - Records activities related to communication between the client and MP
SmsClientMethodProvider.log	General - Records activity for sending client schedules
CcmRestart.log	General - Records client service restart activity
CcmEval.log	General - Records Configuration Manager client status evaluation activities
UpdatesDeployment.log	General - Records details about deployments on the client, including software update activation, evaluation, and enforcement
UserAffinity.log	General - Records details about user device affinity
CCMVDIPProvider.log	General - Records information for clients in a virtual desktop infrastructure (VDI)
wedmtrace.log	General - Records operations related to writing filters on Windows Embedded clients
StatusAgent.log	General - Records status messages that are created by the client components
ClientLocation.log	General - Records tasks that are related to client site assignment
CcmNotificationAgent.log	General - Records the activities of the notification agent
MaintenanceCoordinator.log	General - Records the activity for general maintenance tasks for the client.
CcmEvalTask.log	General - Records the SCCM client status evaluation activities
Diagnostics.log	General - Records the status of client diagnostic actions
smcliui.log	General - Records use of the Configuration Manager client in the Control Panel
UserAffinityProvider.log	General - Technical details from the component that tracks user device affinity
CertEnrollAgent.log	General - Windows Hello for Business client Activities

SCCM Log Files Updated List Client and Server



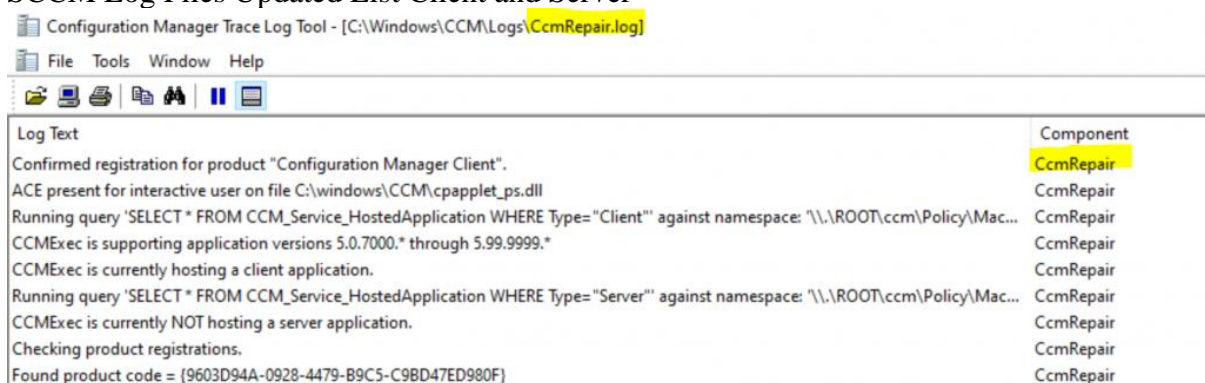
SCCM Log Files Updated List Client and Server

## Client Install/Repair Logs

This section of the guide shall help you understand the log files related to **Client Install/Repair** script-related tasks.

Logs	Description
ClientIDManagerStartup.log	Install - Creates and maintains the client GUID and identifies tasks during client registration and assignment
ClientServicing.log	Install - Records information for client deployment state messages during auto-upgrade and client piloting
CcmRepair.log	Install - Records the repair activities of the client agent

SCCM Log Files Updated List Client and Server



SCCM Log Files Updated List Client and Server

## Application Logs

This section of the guide shall help you understand the log files related to **Application** related tasks.



Log	Description
AppGroupHandler.log	Application - Records detection and enforcement information for application groups
DetailedAppInfo.log	Application - Collect application information for DetailedAppInfo WMI class
AppEnforce.log	Application - Enforcement actions
SettingsAgent.log	Application - Enforcement of specific applications, records orchestration of application group evaluation
SoftwareCatalogUpdateEndpoint.log	Application - Records activities for managing the URL for the Application Catalog shown in Software Center
SrcUpdateMgr.log	Application - Records activity for installed Windows Installer applications that are updated with current distribution point source locations
ExpressionSolver.log	Application - Records details about enhanced detection methods
execmgr.log	Application - Records details about packages and task sequences that run
AppIntentEval.log	Application - Records details about the current and intended state of applications
AppDiscovery.log	Application - Records details about discovering or detecting applications on client computers.
VirtualApp.log	App-v - Records information specific to the evaluation of Application Virtualization (App-V) deployment types

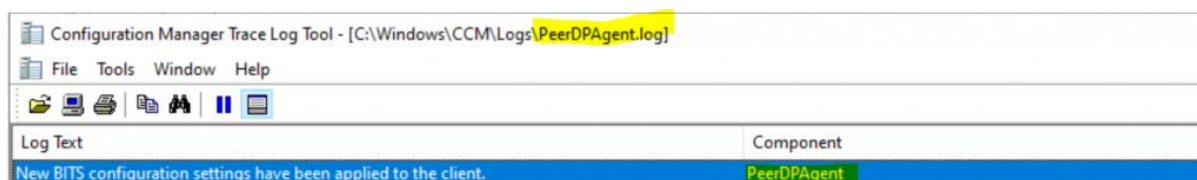
SCCM Log Files Updated List Client and Server

## Content Related Logs

Check out the SCCM client **content-related logs** in this section of the post.

Logs	Description
PeerDPAgent.log	Content - Peer Cache DP related information stored in this log
DataTransferService.log	Content - Records all BITS communication for policy or package access
FileBITS.log	Content - Records all SMB package access tasks
CAS.log	Content - Records details when distribution points are found for referenced content
CMBITSManager.log	Content - Records information for Background Intelligent Transfer Service (BITS) jobs on the device
ContentTransferManager.log	Content - Schedules the BITS or SMB to download or access packages

*PeerDPAgent - Content Related Logs*



PeerDPAgent - Content Related Logs

## Policy Related Logs

Check out the SCCM client **Policy related logs** in this post section.

Log	Description
setuppolicyevaluator.log	Policy - Records configuration and inventory policy creation in WMI
PolicyEvaluator.log	Policy - Records details about the evaluation of policies on client computers
PolicyAgentProvider.log	Policy - Records policy changes
PolicyAgent.log	Policy (Content) - Records requests for policies made by using the Data Transfer Service



SCCM Log Files Updated List Client and Server

## Power Management Related Logs

Check out the ConfigMgr client **Power Management-related logs** in this post section.

Log	Description
pwrmgmt.log	Power Management - Records information about enabling or disabling and configuring the wake-up proxy client settings
PwrProvider.log	Power Management - Records the activities of the power management provider (PWRInvProvider) hosted in the WMI service.

## Reboot Related Logs - SCCM Log Files Updated List Client and Server

This section tells us about the **reboot-related activities** during the software updates.

Log	Descriptions
RebootCoordinator.log	Reboot - Records details about the coordination of system restarts on client computers
SCCM Log Files Updated List Client and Server	

## Windows Analytics SCCM Client Log

Check out the ConfigMgr client **Windows Analytics log** in this post section.

Logs	Description
WindowsAnalytics.log	Windows Analytics - Records the details about Windows Analytics settings are enabled or Commercial ID is empty.
SCCM Log Files Updated List Client and Server	

## Endpoint Protection Logs

When you have trouble getting **Endpoint Protection** from the client-side, you can refer to the following location from Windows 10 ConfigMgr Client.

Logs	Description
EndpointProtectionAgent.log	Endpoint Protection - Records details about the installation of the Endpoint Protection client and the application
ExternalEventAgent.log	Endpoint Protection - Records the history of Endpoint Protection malware detection and events related to client status.
SCCM Log Files Updated List Client and Server	

## Desktop Analytics

Check out the ConfigMgr client Desktop Analytics log in this post section.

Log	Description
M365AHandler.log	Desktop Analytics - Information about the Desktop Analytics settings policy
SCCM Log Files Updated List Client and Server	

## Compliance Related Logs

Check out the ConfigMgr client [Compliance and Baseline-related](#) log in this post section.

Logs	Description
DCMAgent.log	Compliance - Information about the evaluation, conflict reporting, and remediation
CISStateStore.log	Compliance - Records changes in state for configuration items

Logs	Description
CIDownloader.log	Compliance - Records details about configuration item definition downloads
CIAgent.log	Compliance - Records details about the process of remediation and compliance
CISore.log	Compliance - Records information about configuration items
DcmWmiProvider.log	Compliance - Records information about reading configuration item sync lets from WMI
DCMReporting.log	Compliance - Records information about reporting policy platform results into state messages for CI
CITaskMgr.log	Compliance - Records tasks for each application and deployment type

SCCM Log Files Updated List Client and Server

## Co-Management Related Logs

Check out the ConfigMgr client [Co-Management](#) related to logging in to this post section.

Log	Description
CcmCloud.log	Co-Management - CCM_Cloud Client Config
DdrProvider.log	Co-Management - MDM enrolment details. SCCM manages records Workloads
ComplRelayAgent.log	Co-Management - Records information for the co-management workload for compliance policies
CoManagementHandler.log	Co-Management - Use to troubleshoot co-management on the client

SCCM Log Files Updated List Client and Server

## Asset Intelligence

More details about Asset Intelligence logs are in this section of the post. This might help to troubleshoot further the issues related to AI.

Log	Description
<b>AssetAdvisor.log</b>	AI - Records the activities of Asset Intelligence inventory actions

SCCM Log Files Updated List Client and Server

## Resources

- [SCCM Logs Files | 5 Log File Reading Tips | ConfigMgr](#)
- <https://www.anoopenair.com/configmgr-client-enable-verbose-logging-debug-logging-sccm/>

## Author

[Anoop](#) is Microsoft MVP! He is a Device Management Admin with more than 20 years of experience (calculation done in 2021) in IT. He is Blogger, Speaker, and Local User Group HTMD Community leader. His main focus is on Device Management technologies like SCCM 2012, Current Branch, and Intune. He writes about ConfigMgr, Windows 11, Windows 10, Azure AD, Microsoft Intune, Windows 365, AVD, etc.