

Variable	Class	Description	SCCM 2007	SCCM 2012
_SMSTSAdvertID	Built in	Stores the current running task sequence deployment unique ID. It uses the same format as a Configuration Manager software distribution deployment ID. If the task sequence is running from stand-alone media, this variable is undefined.	Yes	Yes
_TSAppInstallStatus	Built in		No	Yes
_SMSTSBootImageID	Built in	Stores the Configuration Manager boot image package ID if a boot image package is associated with the current running task sequence. The variable will not be set if no Configuration Manager boot image package is associated.	Yes	Yes
_SMSTSBootUEFI	Built in		No	Yes
_SMSTSClientGUID	Built in	Stores the value of Configuration Manager client GUID. This variable is not set if the task sequence is running from stand-alone media.	Yes	Yes
_SMSTSCurrentActionName	Built in	Specifies the name of the currently running task sequence step. This variable is set before the task sequence manager runs each individual step.	Yes	Yes
_SMSTSDownloadOnDemand	Built in	Set to true if the current task sequence is running in download-on-demand mode, which means the task sequence manager downloads content locally only when it must access the content.	Yes	Yes
_SMSTSInWinPE	Built in	This variable is set to true when the current task sequence step is running in the Windows PE environment, and it is set to false if not. You can test this task sequence variable to determine the current operating system environment.	Yes	Yes
_SMSTSLastActionRetCode	Built in	Stores the return code that was returned by the last action that was run. This variable can be used as a condition to determine if the next step is run.	Yes	Yes
_SMSTSLastActionSucceeded	Built in	The variable is set to true if the last action succeeded and to false if the last action failed. If the last action was skipped because the step was disabled or the associated condition evaluated to false, this variable is not reset, which means it still holds the value for the previous action.	Yes	Yes

_SMSTSLaunchMode	Built in	<p>Specifies the task sequence launch method. The task sequence can have the following values:</p> <p>SMS - specifies that the task sequence is started by using the Configuration Manager client.</p> <p>UFD - specifies that the task sequence is started by using USB media and that the USB media was created in Windows XP/2003.</p> <p>HD - specifies that the task sequence was started from a hard disk (prestaged media only).</p> <p>PXE - specifies that the task sequence is started from PXE.</p> <p>DVD - specifies that the task sequence is started by using a DVD.</p> <p>CD - specifies that the task sequence is started by using a CD.</p> <p>UFD+FORMAT - specifies that the task sequence is started by using USB media and that the USB media was created in Windows Vista or later.</p>	Yes	Yes
_SMSTSLogPath	Built in	Stores the full path of the log directory. This can be used to determine where actions are logged. This value is not set when a hard drive is not available.	Yes	Yes
_SMSTSMachineName	Built in	Stores and specifies the computer name. Stores the name of the computer that the task sequence will use to log all status messages. To change the computer name in the new operating system, use the OSDComputerName variable.	Yes	Yes
_SMSTSMDDataPath	Built in	Specifies the path defined by the SMSTSLocalDataDrive variable. When you define SMSTSLocalDataDrive before the task sequence starts, such as by setting a collection variable, Configuration Manager then defines the _SMSTSMDDataPath variable once the Task Sequence starts.	No	Yes
_SMSTSMediaType	Built in	Specifies the type of media that is used to initiate the installation. Examples of types of media are Boot Media, Full Media, PXE, and Prestaged Media.	Yes	Yes
_SMSTSMP	Built in	Stores the name or IP address of a Configuration Manager management point.	Yes	Yes

_SMSTSMPPort	Built in	Stores the management point port number of a Configuration Manager management point.	Yes	Yes
_SMSTSOrgName	Built in	Stores the branding title name that is displayed in a task sequence progress user interface dialog box.	Yes	Yes
_SMSTSPackageID	Built in	Stores the current running task sequence ID. This ID uses the same format as a Configuration Manager software package ID.	Yes	Yes
_SMSTSPackageName	Built in	Stores the current running task sequence name specified by the Configuration Manager administrator when the task sequence is created.	Yes	Yes
_SMSTSRunFromDP	Built in	Set to true if the current task sequence is running in run-from-distribution-point mode, which means the task sequence manager obtains required package shares from distribution point.	Yes	Yes
_SMSTSSiteCode	Built in	Stores the site code of the Configuration Manager site.	Yes	Yes
_SMSTSType	Built in	Specifies the type of the current running task sequence. It can have the following values:	Yes	Yes
_SMSTSTimezone	Built in	The _SMSTSTimezone variable stores the time zone information in the following format (without spaces): Bias, StandardBias, DaylightBias, StandardDate.wYear, wMonth, wDayOfWeek, wDay, wHour, wMinute, wSecond, wMilliseconds, DaylightDate.wYear, wMonth, wDayOfWeek, wDay, wHour, wMinute, wSecond, wMilliseconds, StandardName, DaylightName	Yes	Yes
_SMSTSUseCRL	Built in	Specifies whether the task sequence uses the certificate revocation list when it uses a Secure Socket Layer (SSL) certificate to communicate with the management point.	Yes	Yes
_SMSTSUserStarted	Built in	Specifies whether a task sequence is started by a user. This variable is set only if the task sequence is started from the Software Center. For example, if _SMSTSLaunchMode is set to SMS. The variable can have the following values:	Yes	Yes
_SMSTSUseSSL	Built in	Specifies whether the task sequence uses SSL to communicate with the Configuration Manager management point. If your site is running in native mode, the value is set to true.	Yes	Yes

_SMSTSWTG	Built in		No	Yes
SMSTSAssignmentsDownloadInterval	Built in		No	Yes
SMSTSAssignmentsDownloadRetry	Built in		No	Yes
SMSTSAssignUsersMode	Built in	Specifies how a task sequence associates users with the destination computer. Set the variable to one of the following values.	No	Yes
SMSTSDownloadProgram	Built in		No	Yes
SMSTSDownloadRetryCount	Built in		No	Yes
SMSTSDownloadRetryDelay	Built in		No	Yes
SMSTSErrorDialogTimeout	Built in	When an error occurs in a task sequence, a dialog box is displayed that is automatically dismissed after a number of seconds specified by this variable. By default, the dialog box is automatically dismissed after 900 seconds (15 minutes)..	Yes	Yes
TSErrorOnWarning	Built in		No	Yes
SMSTSLanguageFolder	Built in		No	Yes
SMSTSLocalDataDrive	Built in	Specifies where temporary files are stored on the destination computer while the task sequence is running.	Yes	Yes
SMSTSMPLListRequestTimeout	Built in		No	Yes
SMTSPersistContent	Built in		No	Yes
SMSTSPostAction	Built in		No	Yes
SMSTSPreferredAdvertID	Built in	Forces a specific targeted deployment on the destination computer to be run. This can be set through a prestart command from media or PXE. If this variable is set, the task sequence overrides any required deployments.	No	Yes
OSDPreserveDriveLetter	Built in		No	Yes
SMSTSRebootDelay	Built in	Specifies how many seconds to wait before the computer restarts. The task sequence manager will display a notification dialog before reboot if this variable is not set to 0.	Yes	Yes
SMSTSRebootMessage	Built in	Specifies the message to display in the shutdown dialog box when a restart is requested. If this variable is not set, a default message will appear.	Yes	Yes
SMSTSRebootRequested	Built in	Indicates that a restart is requested after the current task sequence step is completed. If a restart is required, just set this	Yes	Yes

		variable to true, and the task sequence manager will restart the computer after this task sequence step. The task sequence step must set this task sequence variable if it requires the restart to complete the task sequence step. After the computer is restarted, the task sequence will continue to run from the next task sequence step.		
SMSTSRetryRequested	Built in	Requests a retry after the current task sequence step is completed. If this task sequence variable is set, the SMSTSRebootRequested must also be set to true. After the computer is restarted, the task sequence manager will rerun the same task sequence step.	Yes	Yes
SMSTSUDAUsers	Built in	Specifies the primary user of the destination computer. Specify the users by using the following format. Separate multiple users by using a comma (,).	No	Yes
OSDDataImageIndex	Apply Data image	Specifies the index value of the image that is applied to the destination computer.	Yes	Yes
OSDWipeDestinationPartition	Apply Data image	Specifies whether to delete the files located on the destination partition.	Yes	Yes
OSDApplyDriverBootCriticalContentUniqueID	Apply Driver package	Specifies the content ID of the mass storage device driver to install from the driver package. If this is not specified, no mass storage driver is installed.	Yes	Yes
OSDApplyDriverBootCriticalINFFile	Apply Driver package	Specifies the INF file of the mass storage driver to install.	Yes	Yes
OSDApplyDriverBootCriticalHardwareComponent	Apply Driver package	Specifies whether a mass storage device driver is installed, this must be "scsi".	Yes	Yes
OSDApplyDriverBootCriticalID	Apply Driver package	Specifies the boot critical ID of the mass storage device driver to install. This ID is listed in the "scsi" section of the device driver's txtsetup.oem file.	Yes	Yes
OSDAllowUnsignedDriver	Apply Driver package	Specifies whether to configure Windows to allow the installation of unsigned device drivers. This task sequence variable is not used when deploying the Windows Vista and later operating system.	Yes	Yes

OSDAdapter	Apply Network Settings	This task sequence variable is an array variable. Each element in the array represents the settings for a single network adapter on the computer. The settings defined for each adapter are accessed by combining the array variable name with the zero-based network adapter index and the property name.	Yes	Yes
OSDAdapterCount	Apply Network Settings	Specifies the number of network adapters installed on the destination computer. When the OSDAdapterCount value is set, all the configuration options for each adapter must be set. For example, if you set the OSDAdapterTCPIPNetbiosOptions value for a specific adapter then all the values for that adapter must also be configured.	Yes	Yes
OSDDNSDomain	Apply Network Settings	Specifies the primary DNS server that is used by the destination computer.	Yes	Yes
OSDDomainName	Apply Network Settings	Specifies the name of the Windows domain that the destination computer joins. The specified value must be a valid Active Directory Domain Services domain name.	Yes	Yes
OSDDomainOUName	Apply Network Settings	Specifies the RFC 1779 format name of the organizational unit (OU) that the destination computer joins. If specified, the value must contain the full path.	Yes	Yes
OSDEnableTCPIPFitering	Apply Network Settings	Specifies whether TCP/IP filtering is enabled.	Yes	Yes
OSDJoinAccount	Apply Network Settings	Specifies the network account that is used to add the destination computer to a Windows domain.	Yes	Yes
OSDJoinPassword	Apply Network Settings	Specifies the network password that is used to add the destination computer to a Windows domain.	Yes	Yes
OSDNetworkJoinType	Apply Network Settings	Specifies whether the destination computer joins a Windows domain or a workgroup.	Yes	Yes
OSDDNSSuffixSearchOrder	Apply Network Settings	Specifies the DNS search order for the destination computer.	Yes	Yes
OSDWorkgroupName	Apply Network Settings	Specifies the name of the workgroup that the destination computer joins.	Yes	Yes

OSDConfigFileName	Apply OS image	Specifies the file name of the operating system deployment answer file associated with the operating system deployment package.	Yes	Yes
OSDImageIndex	Apply OS image	Specifies the image index value of the WIM file that is applied to the destination computer.	Yes	Yes
OSDInstallEditionIndex	Apply OS image	Specifies the version of Windows Vista or later operating system that is installed. If no version is specified, Windows setup will determine which version to install using the referenced product key.	Yes	Yes
OSDTargetSystemDrive	Apply OS image	Specifies the drive letter of the partition that contains the operating system files.	Yes	Yes
OSDComputerName	Apply Windows Settings	Specifies the name of the destination computer.	Yes	Yes
OSDProductKey	Apply Windows Settings	Specifies the Windows product key.	Yes	Yes
OSDRegisteredUserName	Apply Windows Settings	Specifies the default registered user name in the new operating system.	Yes	Yes
OSDRegisteredOrgName	Apply Windows Settings	Specifies the default registered organization name in the new operating system.	Yes	Yes
OSDTimeZone	Apply Windows Settings	Specifies the default time zone setting that is used in the new operating system.	Yes	Yes
OSDServerLicenseMode	Apply Windows Settings	Specifies the Windows Server license mode that is used.	Yes	Yes
OSDServerLicenseConnectionLimit	Apply Windows Settings	Specifies the maximum number of connections allowed.	Yes	Yes
OSDRandomAdminPassword	Apply Windows Settings	Specifies a randomly generated password for the administrator account in the new operating system. If set to <code><true></code> , the local administrator account will be disabled on the target computer. If set to <code><false></code> , the local administrator account will be enabled on the target computer, and the local administrator account password will be assigned the value of the variable OSDLocalAdminPassword.	Yes	Yes

OSDLocalAdminPassword	Apply Windows Settings	Specifies the local administrator password. This value is ignored if the Randomly generate the local administrator password and disable the account on all supported platforms option is enabled.	Yes	Yes
OSDAutoApplyDriverCategoryList	Auto Apply Drivers	A comma-delimited list of the driver catalog category unique IDs. If specified, the Auto Apply Driver task sequence action considers only those drivers that are in at least one of these categories when installing drivers. This value is optional, and it is not set by default. The available category IDs can be obtained by enumerating the list of SMS_CategoryInstance objects on the site.	Yes	Yes
OSDAllowUnsignedDriver	Auto Apply Drivers	Specifies whether Windows is configured to allow unsigned device drivers to be installed. This task sequence variable is not used when deploying Windows Vista and later operating systems.	Yes	Yes
OSDAutoApplyDriverBestMatch	Auto Apply Drivers	Specifies what the task sequence action does if there are multiple device drivers in the driver catalog that are compatible with a hardware device. If set to "true", only the best device driver will be installed. If "false", all compatible device drivers will be installed, and the operating system will choose the best driver to use.	Yes	Yes
OSDMigrateAdapterSettings	Capture Network Settings	Specifies whether the network adapter settings (TCP/IP, DNS, and WINS) configuration information is captured.	Yes	Yes
OSDMigrateNetworkMembership	Capture Network Settings	Specifies whether the workgroup or domain membership information is migrated as part of the operating system deployment.	Yes	Yes
OSDCaptureAccount	Capture OS Image	Specifies a Windows account name that has permissions to store the captured image on a network share.	Yes	Yes
OSDCaptureAccountPassword	Capture OS Image	Specifies the password for the Windows account used to store the captured image on a network share.	Yes	Yes
OSDCaptureDestination	Capture OS Image	Specifies the location where the captured operating system image is saved. The maximum directory name length is 255 characters.	Yes	Yes

OSDImageCreator	Capture OS Image	An optional name of the user who created the image. This name is stored in the WIM file. The maximum length of the user name is 255 characters.	Yes	Yes
OSDImageDescription	Capture OS Image	An optional user-defined description of the captured operating system image. This description is stored in the WIM file. The maximum length of the description is 255 characters.	Yes	Yes
OSDImageVersion	Capture OS Image	An optional user-defined version number to assign to the captured operating system image. This version number is stored in the WIM file. This value can be any combination of letters with a maximum length of 32 characters.	Yes	Yes
OSDTargetSystemRoot	Capture OS Image	Specifies the path to the Windows directory of the installed operating system on the reference computer. This operating system is verified as being a supported operating system for capture by Configuration Manager.	Yes	Yes
OSDStateStorePath	Capture user state	The UNC or local path name of the folder where the user state is saved. No default.	Yes	Yes
OSDMigrateAdditionalCaptureOptions	Capture user state	Specifies user state migration tool (USMT) command line options that are used when capturing the user state, but not exposed in the Configuration Manager user interface. The additional options are specified in the form of a string that is appended to the automatically generated USMT command line.	Yes	Yes
OSDMigrateMode	Capture user state	Allows you to customize the files that are captured by USMT. If this variable is set to <code>Simple</code> , then only the standard USMT configuration files are used. If this variable is set to <code>Advanced</code> , then the task sequence variable <code>OSDMigrateConfigFiles</code> specifies the configuration files that the USMT uses.	Yes	Yes
OSDMigrateConfigFiles	Capture user state	Specifies the configuration files used to control the capture of user profiles. This variable is used only if <code>OSDMigrateMode</code> is set to <code>Advanced</code> . This comma-delimited list value is set to perform customized user profile migration.	Yes	Yes
OSDMigrateContinueOnLockedFiles	Capture user state	Allows the user state capture to proceed if some files cannot be captured.	Yes	Yes

OSDMigrateEnableVerboseLogging	Capture user state	Enables verbose logging for the USMT.	Yes	Yes
OSDMigrateSkipEncryptedFiles	Capture user state	Specifies whether encrypted files are captured.	Yes	Yes
_OSDMigrateUsmtPackageID	Capture user state	Specifies the package ID of the Configuration Manager package that will contain the USMT files. This variable is required.	Yes	Yes
OSDMigrateComputerName	Capture Windows settings	Specifies whether the computer name is migrated.	Yes	Yes
OSDComputerName	Capture Windows settings	Set to the NetBIOS name of the computer. The value is set only if the OSDMigrateComputerName variable is set to <code>â€œtrueâ€œ</code> .	Yes	Yes
OSDMigrateRegistrationInfo	Capture Windows settings	Specifies whether the computer user and organizational information is migrated.	Yes	Yes
OSDRegisteredOrgName	Capture Windows settings	Set to the registered organization name of the computer. The value is set only if the OSDMigrateRegistrationInfo variable is set to <code>â€œtrueâ€œ</code> .	Yes	Yes
OSDMigrateTimeZone	Capture Windows settings	Specifies whether the computer time zone is migrated.	Yes	Yes
OSDTimeZone	Capture Windows settings	Set to the time zone of the computer. The value is set only if the OSDMigrateTimeZone variable is set to <code>â€œtrueâ€œ</code> .	Yes	Yes
SMSConnectNetworkFolderAccount	Connect to network	Specifies the administrator account that is used to connect to the network share.	Yes	Yes
SMSConnectNetworkFolderDriveLetter	Connect to network	Specifies the network drive letter to connect to. This value is optional; if it is not specified, then the network connection is not mapped to a drive letter.	Yes	Yes
SMSConnectNetworkFolderPassword	Connect to network	Specifies the network password that is used to connect to the network share.	Yes	Yes
SMSConnectNetworkFolderPath	Connect to network	Specifies the network path for the connection.	Yes	Yes

OSDConvertDiskIndex	Convert disk	Specifies the physical disk number that is converted.	Yes	Yes
OSDBitLockerRecoveryPassword	Enable bitlocker	Instead of generating a random recovery password, the Enable BitLocker task sequence action uses the specified value as the recovery password. The value must be a valid numerical BitLocker recovery password.	Yes	Yes
OSDBitLockerStartupKey	Enable bitlocker	Instead of generating a random startup key for the key management option "Startup Key on USB only," the Enable BitLocker task sequence action uses the Trusted Platform Module (TPM) as the startup key. The value must be a valid, 256-bit Base64-encoded BitLocker startup key.	Yes	Yes
OSDDiskIndex	Format/Partition	Specifies the physical disk number to be partitioned.	Yes	Yes
OSDDiskpartBiosCompatibilityMode	Format/Partition	Specifies whether to disable cache alignment optimizations when partitioning the hard disk for compatibility with certain types of BIOS. This can be necessary when deploying Windows® XP or Windows® Server® 2003 operating systems. For more information, see article 931760 and article 931761 in the Microsoft Knowledge Base.	Yes	Yes
OSDGPTBootDisk	Format/Partition	Specifies whether to create an EFI partition on a GPT hard disk so that it can be used as the startup disk on EFI-based computers.	Yes	Yes
OSDPartitions	Format/Partition	Specifies an array of partition settings; see the SDK topic for accessing array variables in the task sequence environment.	Yes	Yes
OSDPartitionStyle	Format/Partition	Specifies the partition style to use when partitioning the disk. "MBR" indicates the master boot record partition style, and "GPT" indicates the GUID Partition Table style.	Yes	Yes
SMSInstallUpdateTarget	Software Updates	Specifies whether to install all updates or only mandatory updates.	Yes	Yes
OSDJoinAccount	Domain Join	Specifies the account that is used by the destination computer to join the Windows domain. This variable is required when joining a domain.	Yes	Yes
OSDJoinDomainName	Domain Join	Specifies the name of a Windows domain the destination computer joins.	No	Yes

OSDJoinDomainOUName	Domain Join	Specifies the RFC 1779 format name of the organizational unit (OU) that the destination computer joins. If specified, the value must contain the full path.	No	Yes
OSDJoinPassword	Domain Join	Specifies the network password that is used by the destination computer to join the Windows domain. If the variable is not specified then a blank password is tried.	Yes	Yes
OSDJoinSkipReboot	Domain Join	Specifies whether to skip restarting after the destination computer joins the domain or workgroup.	Yes	Yes
OSDJoinType	Domain Join	Specifies whether the destination computer joins a Windows domain or a workgroup. To join the destination computer to a Windows domain specify "0". To join the destination computer to a workgroup specify "1".	Yes	Yes
OSDJoinWorkgroupName	Domain Join	Specifies the name of a workgroup that the destination computer joins.	Yes	Yes
OSDBuildStorageDriverList	Prepare capture	Specifies whether sysprep builds a mass storage device driver list. This setting applies to only Windows® XP and Windows® Server® 2003. It will populate the [SysprepMassStorage] section of sysprep.inf with information on all the mass storage drivers that are supported by the image to be captured.	Yes	Yes
OSDKeepActivation	Prepare capture	Specifies whether sysprep resets the product activation flag.	Yes	Yes
OSDTargetSystemRoot	Prepare capture	Specifies the path to the Windows directory of the installed operating system on the reference computer. This operating system is verified as being a supported operating system for capture by Configuration Manager.	Yes	Yes
OSDStateStorePath	State Store	The UNC or local pathname to the location from which the user state is restored. This value is used by both the Capture User State task sequence action and the Restore User State task sequence action.	Yes	Yes
OSDStateFallbackToNAA	State Store	Specifies whether the Network Access Account is used as a fallback when the computer account fails to connect to the state migration point.	Yes	Yes
OSDStateSMPRetryCount	State Store	Specifies the number of times that the task sequence step tries to find a state migration point before the step fails.	Yes	Yes

OSDStateSMPRetryTime	State Store	Specifies the number of seconds that the task sequence step waits between retry attempts. The number of seconds can be a maximum of 30 characters.	Yes	Yes
OSDStateStorePath	State Store	The UNC path to the folder on the state migration point where the user state is stored.	Yes	Yes
SMSRebootMessage	Restart	Specifies the message to be displayed to users before restarting the destination computer. If this variable is not set, the default message text is displayed.	Yes	Yes
SMSRebootTimeout	Restart	Specifies the number of seconds that the warning is displayed to the user before the computer restarts. Specify zero seconds to indicate that no reboot message is displayed.	Yes	Yes
OSDStateStorePath	Restore user state	The UNC or local pathname of the folder from which the user state is restored.	Yes	Yes
OSDMigrateContinueOnRestore	Restore user state	Specifies that the user state restoration continues even if some files cannot be restored.	Yes	Yes
OSDMigrateEnableVerboseLogging	Restore user state	Enables verbose logging for the USMT tool.	Yes	Yes
OSDMigrateLocalAccounts	Restore user state	Specifies whether the local computer account is restored.	Yes	Yes
OSDMigrateLocalAccountPassword	Restore user state	If the OSDMigrateLocalAccounts variable is <code>set true</code> , this variable must contain the password that is assigned to all local accounts that are migrated. Because the same password is assigned to all migrated local accounts, it is considered a temporary password that will be changed later by some method other than Configuration Manager operating system deployment.	Yes	Yes
OSDMigrateAdditionalRestoreOptions	Restore user state	Specifies additional user state migration tool (USMT) command line options that are used when restoring the user state. The additional options are specified in the form of a string that is appended to the automatically generated USMT command line.	Yes	Yes
_OSDMigrateUsmtRestorePackageID	Restore user state	Specifies the package ID of the Configuration Manager package that contains the USMT files. This variable is required.	Yes	Yes
SMSTSDisableWow64Redirection	Command line	By default, when running on a 64-bit operating system, the program in the command line is located and run using the	Yes	Yes

		WOW64 file system redirector so that 32-bit versions of operating system programs and DLLs are found. Setting this variable to "true" disables the use of the WOW64 file system redirector so that native 64-bit versions of operating system programs and DLLs can be found. This variable has no effect when running on a 32-bit operating system.		
WorkingDirectory	Command line	Specifies the starting directory for a command-line action.	Yes	Yes
SMSTSRunCommandLineUserName	Command line	Specifies the account by which the command line is run. The value is a string of the form username or domain\username.	Yes	Yes
SMSTSRunCommandLinePassword	Command line	Specifies the password for the account specified by the SMSTSRunCommandLineUserName variable.	Yes	Yes
SMSCClientInstallProperties	Setup SCCM	Specifies the client installation properties that are used when installing the Configuration Manager client.	Yes	Yes