

Stsadm Command-Line Tool Windows SharePoint Services

(Microsoft Corporation)

Windows SharePoint Services 3.0 includes the Stsadm tool for command-line administration of Windows SharePoint Services servers and sites. Stsadm is located at the following path on the drive where SharePoint Products and Technologies is installed: %COMMONPROGRAMFILES%\microsoft shared\web server extensions\12\bin. You must be an administrator on the local computer to use Stsadm.

Stsadm provides a method for performing the Windows SharePoint Services 3.0 administration tasks at the command line or by using batch files or scripts. Stsadm provides access to operations not available by using the Central Administration site, such as changing the administration port. The command-line tool has a more streamlined interface than Central Administration, and it allows you to perform the same tasks. There are certain operations and certain parameters that are only available by using the Stsadm command-line tool.

Using Stsadm

The command-line tool provides access to the complete set of Windows SharePoint Services 3.0 operations. You can use Stsadm from the command line or with batch files or scripts. Stsadm must be run on the server itself.

To use Stsadm, you must be a member of the local Administrators group on the server. When you invoke Stsadm, you supply an operation and a set of command-line parameters in the form:

```
-operation OperationName -parameter value
```

Note: If a value you need to use with the command-line tool includes a space or a character that is treated as special by the command-line interface, such as an ampersand (&), you can enclose the string in quotation marks ("). For example, if the URL to a site is http://my site, you can enter the URL as "http://my site".

Most parameters for the command line also have a short form that you can use instead of the full parameter name. For example, the following command sets the configuration database to use Server1_collab on Server1 and specifies the database user name and password to connect with:

```
stsadm -o setconfigdb -connect -ds Server1 -dn Server1_collab -du User1 -dp password
```

The following table explains the commands and parameters from this example.

Command or parameter	Definition
-o setconfigdb	Creates a connection between Windows SharePoint Services 3.0 and a configuration database.
-connect	Specifies that there is an existing configuration database to use.
-ds Server1	Specifies the server name that contains the database to use.
-dn Server1_collab	Specifies the database name to use on that server.
-du User1	Specifies an administrator user name for the database.

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-dp password	Specifies the password for the user.
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Stsadm is not Interactive

Stsadm is not an interactive tool. With Stsadm, you type the operation and parameters all at once. You will not be prompted to fill in missing parameters while the operation is running. If a required parameter is missing, the operation fails, and you must type the operation and parameters again. This behavior allows better flexibility for batching commands, because the tools do not prompt you for information after you have submitted a command. If you want a more interactive tool, try using the administrative object model or Central Administration pages.

Available Operations and Properties

The following operations are available only from the command line:

addcontentdb (the command line is required for adding databases that need to be upgraded)	enumsolutions	renameserver
addsolution	enumtemplates	restore (site collection level)
addwppack	enumwppacks	retractsolution
backup (site collection level)	execadmsvcjobs	retractwppack
binddrsservice	export	scanforfeatures
canceldeployment	forcedeletelist	setadminport
copyappbincontent	getadminport	setconfigdb
createadminvs	getproperty	setproperty
createsiteinnewdb	getsitelock	setworkflowconfig
databaserepair	import	spsearchdiacriticsensitive
deleteadminvs	installfeature	syncsolution
deleteconfigdb	migrateuser	uninstallfeature
deletesolution	provisionservice	unregisterwsswriter
deletewppack	refreshdms	updateaccountpassword
deploysolution	refreshsitedms	updatealerttemplates
deploywppack	registerwsswriter	updatefarmcredentials
displaysolution	removedrservice	upgradesolution

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enumdeployments	removesolutiondeploymentlock	
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Parameters available only from the command line:

-force	-propertyname
-globalinstall	-propertyvalue
-newname	-servicename
-overwrite	

Index for Stsadm operations and properties (Windows SharePoint Services)

Operations

Name	Description
Activatefeature	Activates a feature in the feature collection.
Addalternatedomain	Adds an internal URL and maps it to one of the five URL zones of a Web application or external resource.
Addcontentdb	Creates a new content database or adds a database that needs to be upgraded when the url and databasename parameters are specified.
Addpath	Adds a managed path inclusion to a Web application.
Addpermissionpolicy	Adds a user to a policy role for the Web application based on the specified permission level name and corresponding zone.
Addsolution	Adds a solution file to the solution store.
Addtemplate	Adds a site template to the template gallery.
Adduser	Adds a user account to the specified site collection and assigns it to the specified site group.
Addwppack	Adds a Web Part package to the server Web Part gallery.
Addzoneurl	Configures the public URL and maps it to one of the five URL zones of a Web application or external resource.
Authentication	Authentication provides the user identity input to the authorization process which determines what actions the current user is allowed to perform on a given object.
Backup	Describes how to back up a site collection, an individual database, a Web application, or an entire farm.

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Backuphistory	Displays a history of backup and restore operations that have been run.
Binddrservice	Registers a data retrieval service adapter.
Blockedfilelist	Enables an administrator to add or delete a file type to the blocked file types list for a Web application.
Changepermissionpolicy	Updates the Web application policy level for a user to enable a change to specific permission levels the user is assigned.
Copyappbincontent	Copies Web application-specific files, such as page resource (*.resx) files from their respective locations in the 12\CONFIG folder to the correct location in each Web application on the computer.
Createadminvs	Displays the port number to the SharePoint Central Administration Web site.
Creategroup	Lets site collection administrators create new groups from any site collection.
Createsite	Creates a site collection at the specified Uniform Resource Locator (URL) with the specified user as site collection owner and site collection administrator.
Createsiteinnewdb	Creates a site at the specified Uniform Resource Locator (URL) and creates a new content database using the user name and password you specify.
Createweb	Creates a subsite at the specified Uniform Resource Locator (URL).
Databaserepair	Detects and removes orphaned items from content databases in Windows SharePoint Services.
Deactivatefeature	Deactivates a feature in the feature collection.
Deleteadminvs	Unprovisions the SharePoint Central Administration Web site from the local machine.
Deletealternatedomain	Deletes an internal URL from a URL zone.
Deleteconfigdb	Unprovisions the local machine from the farm and deletes the configuration database (but does not drop the configuration database).
Deletecontentdb	Detaches a content database when the Web application, database name, and database server are specified.
Deletegroup	Deletes a group created in Windows SharePoint Services 3.0.

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Deletepath	Removes an included path from the list of paths managed by Windows SharePoint Services.
Deletepermissionpolicy	Deletes a permission policy for a user from the site collection by specifying the URL name and user login.
Deletesite	Deletes the site collection with the specified URL from the Web application.
Deletesolution	Removes a Windows SharePoint Services Solution Package (*.wsp) from the solution store.
Deletetemplate	Deletes a specified site template from the site template gallery.
Deleteuser	Deletes a user account from the specified site collection and specified site.
Deleteweb	Deletes a subsite using the specified Uniform Resource Locator (URL).
Deletewppack	Removes the Web Parts in a Web Part package from a virtual server.
Deletezoneurl	Deletes a public URL and the zone to which it is mapped.
Deploysolution	Deploys files related to a solution from the configuration database to individual front-end Web servers in the farm.
Deploywppack	Deploys a Web Part package.
Disablescc	Disables Self-Service Site Creation for the specified Web application.
Displaysolution	Displays specific solution or Web Part information in a solution store.
Enablescc	Enables Self-Service Site Creation for the specified Web application.
Enumallwebs	Displays the IDs and site map status for all site collections and subsites in the content database.
Enumalternatedomains	Lists the internal URLs and specifies the URL zones and public URLs to which they are mapped.
Enumcontentdbs	Enumerates all content databases in the Web application.
Enumgroups	Lists all the groups in Windows SharePoint Services 3.0.
Enumroles	Lists the site groups that are available for use in a particular site or subsite.
Enumservices	Lists all the services in the Web application within a farm.

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Enumsites	Displays a list of sites that are hosted in a Web application. To find the sites that need to be upgraded, use the redirectedsites parameter.
Enumsolutions	Enumerates the list of Windows SharePoint Services Solution Package (*.wsp) and Web Part packages located in the solution store of the farm.
Enumsubwebs	Lists the subsites that have been created immediately below a particular site.
Enumtemplates	Lists the site templates that have been submitted to the global site template catalog.
Enumusers	Lists the users of a particular site collection or subsite.
Enumwppacks	Lists the Web Part packages currently in the server Web Part gallery.
Enumzoneurls	Lists all of the public URL and the zones to which they are mapped.
Email	Sets the e-mail configuration settings for your server.
Execadmsvcjobs	Permits a user to run any administrative service job in which the Windows SharePoint Services Administration (SPAdmin) service has been disabled.
Export	Exports site and subsite data from your Windows SharePoint Services 3.0 installation.
Extendvs	Extends a Windows SharePoint Services 3.0 Web application and creates a new content database.
Extendvsinwebfarm	Extends a Windows SharePoint Services 3.0 Web application for use in a server farm.
Forcedeletelist	Allows a user to delete a list that might appear to be in a corrupted state.
Getadminport	Returns the administration port for Windows SharePoint Services.
Getsitelock	Retrieves the lock status of a site.
Import	Imports site and subsite data from your Windows SharePoint Services 3.0 installation.
Installfeature	Installs a feature.
Listlogginglevels	Lists the current event log and trace log logging levels for each diagnostic logging category that is registered in a farm.

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Localupgradestatus	Displays the farm and local server components that need to be upgraded.
Managepermissionpolicylevel	Enables an administrator to manage the policy levels for a Web application.
Mergecontentdbs	Permits a site collection to be moved from one content database to another when the sourcedatabasename and destinationdatabasename parameters are specified.
Migrateuser	Migrates a user account in Windows SharePoint Services 3.0 to a new user name and binary ID.
Preupgradecheck	Runs rules that are intended to assist administrators in preparing for upgrade from Windows SharePoint Services 3.0 and related products to future version of SharePoint and Technology products.
Provisionservice	Prepares sites and content databases before moving to a new Web application by setting up the profile and membership synchronization service.
Refreshdms	Refreshes the Directory Management Service if a database is restored or moved to a location where the incoming e-mail settings are not correct.
Refreshsitedms	Performs the same function as the Refreshdms operation but on a site collection level.
Registerwsswriter	Enables the Windows SharePoint Services VSS Writer service (known as WSS Writer service) on any front-end Web server.
Removedrservice	Removes a data retrieval service from the list of data retrieval services.
Removesolutiondeploymentlock	Removes the solution deployment lock for the specified server or all servers from the back-end database.
Renameserver	Changes the name of the specified server in the configuration database.
Renamesite	Changes a URL of a host-named site collection to a new URL.
Renameweb	Changes the URL of a subsite.
Restore	Explains how a restoration of a site collection, an individual database, a Web application, or an entire farm is performed.
Retractsolution	Retracts the specified solution's deployment, and removes files from the front-end Web server.

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Retractwppack	Retracts the deployment of a specified Web Part package.
Scanforfeatures	Scans for new features in the file system, and if new features are present, installs them.
Setadminport	Changes the default zone Uniform Resource Locator (URL) and/or application pool located on the SharePoint Central Administration Web site.
Setconfigdb	Creates a new configuration database in a farm or joins the local computer to an existing farm's configuration database.
Setlogginglevel	Sets the Windows event log and trace log logging level for one or more diagnostic logging categories registered in the farm.
Setsitelock	Sets a value that specifies whether the site collection is locked and unavailable for read or write access.
Setworkflowconfig	Enables or disables the workflow settings.
Siteowner	Sets the primary or secondary administrator of a site collection.
Spsearch	Manages the Windows SharePoint Services Search service.
Spsearchdiacriticsensitive	Enables or disables the diacritic sensitivity setting.
Syncsolution	Performs a synchronization of the Windows SharePoint Services Solution Package (WSP) solutions stored in the configuration database with the files stored on disk.
Trimauditlog	Lets an administrator delete audit entries older than a certain date, as specified using the enddate parameter.
Tzmove	Allows an administrator to update data that is affected by a change in the start and/or end of Daylight Saving time (DST).
Unextendvs	Removes Windows SharePoint Services 3.0 from a particular Web application.
Uninstallfeature	Removes the specified feature definition from the collection of feature definitions in the farm.
Unregisterwsswriter	Disables the Windows SharePoint Services VSS Writer service (known as WSS Writer service) on any front-end Web server.
Updateaccountpassword	Updates the Web application pool passwords.
Updatealerttemplates	Lets an administrator update custom changes to the Alerttemplates.xml file.

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Updatefarmcredentials	Updates the Web application pool for the SharePoint Central Administration Web site and the Windows SharePoint Services Timer service (SPTimer).
Upgrade	Upgrades the specified site collection during a gradual upgrade.
Upgradesolution	Upgrades an existing solution. The solution to be upgraded could be either deployed or not deployed; however, the immediate or time parameters apply only if the solution has been deployed.
Upgradetargetwebapplication	Prepares the environment for the gradual upgrade of a specific version 2.0 Web application by moving the existing version 2.0 Web application to a new URL and making a new version 3.0 Web application that is based on the existing version 2.0 Web application and associated settings.
Userrole	Adds or deletes permission levels to site groups.

Properties

Property name	Description
Alerts-enabled	Turns alerts on or off.
Alerts-limited	Specifies the number of alerts to which a user can create.
Alerts-maximum	Specifies the maximum number of alerts a user can create.
Avallowdownload	Specifies whether users can download infected documents to their local computers.
Avcleaningenabled	Specifies whether antivirus cleaning is enabled or disabled.
Avdownloadscanenabled	Specifies whether documents are scanned when they are downloaded.
Avnumberofthreads	Specifies the number of threads to use for antivirus processes.
Avtimeout	Specifies how long to wait before an antivirus process times out.
Avuploadscanenabled	Specifies whether documents are scanned when they are uploaded.
Change-log-expiration-enabled	Specifies whether change logs are deleted after the time span defined in the Change-log-retention-period: Stsadm property (Windows SharePoint Services) property.

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Change-log-retention-period	Specifies the amount of time to preserve change logs
Command-line-upgrade-running	Specifies whether the upgrade process has already been started.
Data-retrieval-services-enabled	Turns data retrieval services on or off.
Data-retrieval-services-inherit	Specifies whether the Web application inherits data retrieval service settings that are located on the SharePoint Central Administration Web site.
Data-retrieval-services-oledb-providers	Obsolete.
Data-retrieval-services-response-size	Specifies the response size of the data source that is returned to the data retrieval service.
Data-retrieval-services-timeout	Specifies the request time out setting.
Data-retrieval-services-update	Turns the support for update queries on or off.
Data-source-controls-enabled	Turns the data source controls on the server on or off.
Database-command-timeout	Retrieves or sets the wait time before terminating the attempt to execute a command and generating an error.
Database-connection-timeout	Retrieves an open connection or sets a connection to a Microsoft SQL Server database.
Days-to-show-new-icon	Specifies the number of days to display the "New" icon for items added to a Web site.
Dead-site-auto-delete	Turns on or off the setting to delete the site collection
Dead-site-notify-after	Specifies the number of days to wait before sending notifications
Dead-site-num-notifications	Specifies the number of notifications to send
Defaultquotatemplate	Specifies the default quota template to be used when creating new site collection on a specified Web application.
Defaulttimezone	Specifies the time zone for sites that are created in a Web application.
Delete-web-send-email	Deletes the site collection if use is not confirmed
Irmaddinseabled	Specifies a rights management platform other than Windows Rights Management Server.
Irmrmscertserver	Specifies the location of the Windows Rights Management Services server.
Irmrmsenabled	Controls whether the server should use the Windows RMS infrastructure instead of another rights management

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	platform.
Irmrmsusead	Specifies that Windows SharePoint Services 3.0 should use the location of the RMS server that is stored in Active Directory, rather than an administrator manually specifying the location of the Windows RMS.
Job-ceip-datacollection	Specifies the time schedule for when Customer Experience Improvement Program (CEIP) data is collected.
Job-change-log-expiration	Specifies the time schedule when the change log timer job occurs.
Job-config-refresh	Specifies the schedule for the configuration refresh job.
Job-database-statistics	Specifies the time schedule when database statistics are collected.
Job-dead-site-delete	Specifies the frequency interval and time range to delete unused Web sites automatically, for example, "Weekly at Sat 0:00:00".
Job-gradual-site-deletion	Added in the April Cumulative Update to perform gradual deletion of site collections. Lets a site collection to be marked as deleted, which immediately prevents any further access to its content.
Job-immediate-alerts	Specifies the frequency to check for alerts that are to be sent immediately.
Job-recycle-bin-cleanup	Specifies the time schedule for a cleanup of the Recycle Bin to occur.
Job-usage-analysis	Lets an administrator set the time interval for usage processing.
Job-watson-trigger	Displays the time schedule of the Windows SharePoint Services Watson Upload job.
Job-workflow	Sends the workflow events that have been queued and delivers them to workflows.
Job-workflow-autoclean	Specifies the time schedule for when a scan occurs to delete workflow instance data.
Job-workflow-failover	Specifies a schedule for restarting workflow operations that fail because of external reasons.
Large-file-chunk-size	Specifies the amount of data that can be read from the server running Microsoft SQL Server at one time.
Max-file-post-size	Specifies the maximum allowable size for a single upload of content to any site.

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Presenceenabled	Allows users of a SharePoint site to see if other users are online and send instant messages to them.
Recycle-bin-cleanup-enabled	Specifies whether a cleanup to the recycle bin occurs.
Recycle-bin-enabled	Turns the Recycle Bin on or off.
Recycle-bin-retention-period	Specifies the retention period, in days, of deleted items in the Recycle Bin.
Second-stage-recycle-bin-quota	Specifies how much hard disk space is available to a second stage Recycle Bin as a percentage of the quota allotted to the Web application.
Presenceenabled	Allows users of a SharePoint site to see if other users are online and send instant messages to them.
Token-timeout	Specifies the amount of time before a user token times out.
Usageprocessingenabled	Configures whether the usage analysis process is turned on or off.
Workflow-cpu-throttle	Obsolete.
Workflow-eventdelivery-batchsize	Specifies the paging size for events delivered to a single workflow instance.
Workflow-eventdelivery-throttle	Specifies the number of workflows that can be processed (that is, using the processor, not idle) at the same time across all front-end Web servers.
Workflow-eventdelivery-timeout	Specifies the time in which a workflow job must run without the job timing out. If the workflow job does time out, it gets put back in the queue to be run again.
Workflow-timerjob-cpu-throttle	Obsolete.
Workitem-eventdelivery-batchsize	Specifies the maximum number of work items that will be paged in to a processing timer job.
Workitem-eventdelivery-throttle	Specifies the maximum number of work items that can be obtained on a given query for work items that are scheduled to run.