TFS Command-line Cheat sheet

Cheat sheet for all command-line for Team Foundation Server

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Built-in TFS Command-line

# Visual Studio tools command

## Tf utility

*Tf.exe* is command-line for manage source control (TFVC) and workspace

Location: Visual Studio tools <version> Command Prompt

For more information: [Msdn reference](http://msdn.microsoft.com/en-us/library/z51z7zy0(v=vs.100).aspx)

|  |  |
| --- | --- |
| Command | Description |
| tf add | Add files or folder to source control |
| tf branch | Create a branch |
| tf branches | View branch history |
| tf changeset | View changeset details |
| tf certificates | Configure authentication certificate |
| tf configure | (Admin) View and update configuration parameters |
| tf connections | View the informations of TFS connections and switch user connection |
| tf checkin | Checkin pending changes files or folder |
| tf checkout | Checkout files, folder or shelveset |
| tf delete | Delete files or folder on source control and local |
| tf destroy | Destroy definitively files or folders on source control |
| tf diff | Compare 2 files, 2 folders, or shelveset and view difference |
| tf dir | View TFVC content |
| tf folderdiff | View differences between 2 folders |
| tf get | Get latest version or specific version |
| tf help | View list of commands for tf utilitity |
| tf history | Display history changeset for files or folder |
| tf info | View information’s on TFVC elements |
| tf label | Add label to file or folder version |
| tf labels | View list of labels |
| tf localversions | View the version of TFVC element |
| tf lock | Lock or UnLock file or folder |
| tf merge | Merge pending changes between branch |
| tf merges | View the details on merge |
| tf msdn | Launch web page with documentation on the command |
| tf permission | View and update ACL on TFVC elements |
| tf property | View changes on properties on TFVC elements |
| tf proxy | Configure the TFS proxy |
| tf rename | Rename the name or path of file or folder |
| tf resolve | Resolve pending changes conflict |
| tf rollback | Rollback changesets |
| tf shelve | Shelve pending changes |
| tf shelvesets | View Shelvesets details |
| tf status | Display status for pending changes on files or folder |
| tf undelete | Rollback deleted elements |
| Tf undo | Undo pending changes on files or folders |
| tf unlabel | Delete label |
| tf unshelve | Unshelve shelveset |
| tf workfold | Create, update or view mapping information with workspace and local path |
| tf workspace | Create , update or view properties of mapping and workspace |
| tf workspaces | View workspaces details |

## Tfs Build

*TfsBuild.exe* is command-line to manage build

Location: Visual Studio tools <version> Command Prompt

For more information: [Msdn reference](http://msdn.microsoft.com/fr-fr/library/vstudio/bb558974(v=vs.100).aspx)

|  |  |
| --- | --- |
| Command | Description |
| tfsBuild start | Start new build |
| Tfsbuild delete | Delete build |
| Tfsbuild destroy | Destroy deleted build |
| Tfsbuild stop | Stop build process |
| Tfsbuild help | Provide help for Tfsbuild command |

## Tfs Security

*TfsSecurity.exe* is command-line to manage TFS security.

Location: Visual Studio tools <version> Command Prompt

For more information: [Msdn reference](http://msdn.microsoft.com/fr-fr/library/ms252504.aspx)

|  |  |
| --- | --- |
| Command | Description |
| tfsSecurity | Configure TFS security |

## Tfs and Project Server

*TfsAdmin.exe* is command-line to configure TFS with Project Server

Location: Visual Studio tools <version> Command Prompt

For more information: [Msdn reference](http://msdn.microsoft.com/en-us/library/gg412656.aspx)

|  |  |
| --- | --- |
| Command | Description |
| tfsadmin | Configure TFS with Project Server |

## Tfs Delete Project

*TfsDeleteProject.exe* is command-line for delete Team

Location: Visual Studio tools <version> Command Prompt

For more information: [Msdn reference](http://msdn.microsoft.com/en-us/library/ms181482.aspx)

|  |  |
| --- | --- |
| Command | Description |
| tfsdeleteproject | Delete Team project |

## Tcm (Microsoft Test Manager)

*Tcm.exe* is command line for provide tools for manage Microsoft Test Manager

Location: Visual Studio tools <version> Command Prompt

For more information: [Msdn reference](http://msdn.microsoft.com/en-us/library/jj155799.aspx)

|  |  |
| --- | --- |
| Command | Description |
| Tcm configs | View list plan tests configurations |
| Tcm fieldmapping | Import or export the xml file of type mapping |
| Tcm plan | View and clone tests plan |
| Tcm run | Many operations on test group |
| Tcm suites | Many operations on test suite |
| Tcm testenvironments | View list of test environment’s |
| Tcm testcase | Import tests scenarios from assembly or specific test file |

## WitAdmin

*Witadmin.exe* is command line to manage work item type

Location: Visual Studio tools <version> Command Prompt

For more information: [Msdn reference](http://msdn.microsoft.com/fr-fr/library/dd236914.aspx)

|  |  |  |
| --- | --- | --- |
| Command | Description | |
| changefield | | Changes one or more attributes of a field that you specify |
| deactivatelinktype | | Deactivates a specified type of link. |
| deletefield | | Deletes the field that you specify |
| deletelinktype | | Permanently removes the specified type of link from the database |
| destroygloballist | | Deletes a global list |
| destroywi | | Deletes a work item type |
| exportagileprocessconfig | | Export Xml definition of process agile configuration |
| exportcategories | | Exports the XML definitions of all categories |
| exportcommonprocessconfig | | Exports the XML definition for process configuration |
| exportgloballist | | Exports the XML definition file that contains one or more global lists |
| exportglobalworkflow | | Exports the XML file that define a global workflow |
| exportlinktype | | Exports the XML definition files of one or more types of links |
| exportprocessconfig | | Export the configuration of process of the project |
| exportwitd | | Exports the XML definition of a work item type |
| help | | Show help of this command |
| importagileprocessconfig | | Import Xml definition of process agile configuration |
| importcategories | | Imports the XML definitions of all categories |
| importcommonprocessconfig | | Imports the XML definition for process configuration |
| importgloballist | | Imports the XML file that defines one or more global lists |
| importglobalworkflow | | Imports the XML file that defines a global workflow |
| importlinktype | | Imports the XML definition files of one or more types of links |
| importprocessconfig | | Import the configuration of process of the project |
| importwitd | | Imports the XML definition of a work item type. |
| indexfield | | Turns indexing on or off for a field that you specify |
| listfields | | Lists the attributes for a field that you specify or for all fields |
| listgloballist | | Lists the name of each global list that is defined for the collection |
| listlinktypes | | Lists the set of link types on a server |
| listwitd | | Lists the names of the work item types |
| reactivatelinktype | | Reactivates the type of link that you specify. You can also rename the type of link |
| rebuildcache | | force a rebuild of the cache of all client computers |
| renamewitd | | Changes the display name of a work item type |

## Tfs Field Mapping

*TfsFieldMapping.exe* is command line to upload or download the Microsoft Project mapping field.

Location: programfiles\Common Files\microsoft shared\Team Foundation Server\12.0

For more information: [Msdn reference](http://msdn.microsoft.com/fr-fr/library/ms252493.aspx)

|  |  |  |
| --- | --- | --- |
| Command | Description | |
| TfsFieldMapping upload | | Upload the Microsoft project mapping field |
| TfsServiceControl download | | Download the Microsoft project mapping field |

# TFS server application tiers

## Tfs Config

***TFSConfig.exe*** is command line for configure TFS.

Location: Program Files\Microsoft Team Foundation Server <version>\Tools on TFS server application tier

For more information: [Msdn reference](http://msdn.microsoft.com/fr-fr/library/ms253116.aspx)

|  |  |  |
| --- | --- | --- |
| Command | Description | |
| tfsConfig accounts | | Manage Tfs services account |
| tfsConfig authentication | | Active Kerberos Authentication or NTLM authentication |
| tfsConfig certificates | | Configure client authentication certificate |
| tfsConfig changeServerId | | Renew TFS instance to the new instance Id |
| tfsConfig codeIndex | | Manage job maintenance on code |
| tfsConfig collection | | Attach, detach or delete Collection |
| tfsConfig configureMail | | Configure Email option |
| tfsConfig help | | Provide help for the TfsConfig command |
| tfsConfig identities | | Enumerate or change the id (sid) |
| tfsConfig jobs | | Authorize job restart or create file log event |
| tfsConfig lab | | Configure lab management and DNS lab |
| tfsConfig license | | Show TFS license information |
| tfsConfig prepareClone | | Prepare configuration database for clone |
| tfsConfig proxy | | Update TFS proxy configuration |
| tfsConfig rebuildWarehouse | | Rebuild Analysis Service and Data Warehouse database |
| tfsConfig registerDB | | Update configuration Database |
| tfsConfig remapDBs | | List database of the sql instance, repair incoherence |
| tfsConfig settings | | Show or update TFS Urls parameters |
| tfsConfig setup | | Cancel TFS configuration |
| tfsConfig unattend | | Configure TFS with file config |

## Tfs Service Control

*TfsServiceControl.exe* is command line to start or stop TFS Services

Location: TFS server application tier

For more information: [Msdn reference](http://msdn.microsoft.com/fr-fr/library/ff470382.aspx)

|  |  |  |
| --- | --- | --- |
| Command | Description | |
| tfsServiceControl quiesce | | Stop all TFS Services |
| tfsServiceControl unquiesce | | Start all TFS Services |

## Tfs Lab Config

*TfslabConfig.exe* is command line to configure VS Lab Management

Location: Program Files\Microsoft Team Foundation Server <version>\Tools on TFS application tier

For more information: [Msdn reference](http://msdn.microsoft.com/en-us/library/dd386323.aspx)

|  |  |  |
| --- | --- | --- |
| Command | Description | |
| tfslabconfig Settings | | Set SCVMM server name and network isolation parameters |
| TPCHostGroup | | Manage host roles for team project collection |
| TPCLibraryShare | | Manage sharing Libraries of collection |
| TPHostGroup | | Manage host roles for team project collection |
| TPLibraryShare | | Manage sharing libraries of collection |
| permissions | | Show or set authorizations on specified object |
| Help | | Show help for Tfslabconfig help |

Third TFS command-line tools

# TFS Power tools

TFS power tools *Tfpt.exe* provides addition commands line.

Location: Visual Studio tools <version>Command Prompt

Download to: [Visual Studio gallery](http://visualstudiogallery.msdn.microsoft.com/f017b10c-02b4-4d6d-9845-58a06545627f) and extensions

|  |  |
| --- | --- |
| Command | Description |
| Tfpt addprojectportal | Add or move portal for an existing team project |
| Tfpt addprojectreports | Add or overwrite reports for an existing team project |
| Tfpt annotate | Display line-by-line change information for a file |
| Tfpt bind | Convert VSS-bound solutions into TFS-bound solutions |
| Tfpt branches | Convert, reparent, list, and update branches |
| Tfpt builddefinition | Clone, Diff or Dump build definitions |
| Tfpt buildprocesstemplate | Manage build process templates |
| Tfpt connections | Modifies Team Explorer client connection settings |
| Tfpt createteamproject | Create a team project |
| Tfpt getcs | Get only the changes in a particular changeset |
| Tfpt online | Pend adds, edits, deletes to writable files |
| Tfpt query | Query for work items |
| Tfpt review | Review (diff/view) workspace changes |
| Tfpt scorch | Ensure source control and the local disk are identical |
| Tfpt searchcs | Search for changesets matching specific criteria |
| Tfpt treeclean | Delete files and folders not under version control |
| Tfpt unshelve | Unshelve into workspace with pending changes |
| Tfpt uu | Undo changes to unchanged files in the workspace |
| Tfpt workitem | Create, update, or view work items |

Test Attachments cleaner

It’s part of TFS power tools, for more information: [Information for Test attachement cleaner](http://geekswithblogs.net/terje/archive/2011/11/15/guide-to-reduce-tfs-database-growth-using-the-test-attachment.aspx)

|  |  |
| --- | --- |
| Command | Description |
| tcmpt attachmentcleanup | Clean tests attachements |

# WiqAdmin

*Wiqadmin.exe* tools provide commands line for manage work items queries.

It’s available on <http://wiqadmin.codeplex.com/>

|  |  |  |
| --- | --- | --- |
| Command | Description | |
| Wiqadmin list | | Lists work item queries. |
| Wiqadmin import | | Import the XML definition of a work item query. |
| Wiqadmin export | | Export the XML definition of a work item query. |
| Wiqadmin rename | | Rename work item query |
| Wiqadmin delete | | Delete work item query |
| Wiqadmin copy | | Copy work item query between projects or collections |

# TfsClean

This tool provide command-line for find and delete old workspaces and shelvesets.

For download and documentation: [Download and documentation](http://blogs.msmvps.com/vstsblog/2011/03/03/clean-old-and-unused-workspaces-and-shelves-from-your-tfs/)

|  |  |  |
| --- | --- | --- |
| Command | Description | |
| TfsClean | | Find and delete old workspaces and shelvesets |

# ****TfsCreateBuild****

This tool provide command-line for create "faked" builds, without actually running them.

For download and documentation: [Download and documentation](http://blogs.msmvps.com/vstsblog/2011/04/26/creating-fake-builds-in-tfs-build-2010-using-the-command-line/)

|  |  |  |
| --- | --- | --- |
| Command | Description | |
| TfsCreateBuild | | Create fake build |

# TfsExport

This tool provides command-line for download files or folders from TFS without having to create a workspace.

For download and documentation: [Download and documentation](http://blogs.msmvps.com/vstsblog/2011/03/14/download-files-from-tfs-version-control-and-set-the-file-last-access-timestamp-to-the-file-s-last-check-in-time/)

|  |  |  |
| --- | --- | --- |
| Command | Description | |
| TfsExport | | Download files or folders |

# TfsMoveDescription

This tool provide command-line for move the data from your existing Description

(Reference Name: System. Description) field to a new HTML-enabled field.

For download and documentation: [Download and documentation](http://blogs.msmvps.com/vstsblog/2011/03/22/enriching-your-work-item-descriptions-by-moving-them-to-a-html-field/)

|  |  |  |
| --- | --- | --- |
| Command | Description | |
| TfsMoveDescription | | For move the data from your existing Description field to a new HTML-enabled field |

# TfsReg

This tool provide command-line for change key in the TFS registry.

For download and documentation: [Download and documentation](http://blogs.msmvps.com/vstsblog/2011/02/01/change-notification-delay-setting-in-tfs-2010/)

|  |  |  |
| --- | --- | --- |
| Command | Description | |
| TfsReg | | Change key in TFS registry |