

Team Build Target Exec Order	Default Tasks in Microsoft.TeamFoundation.Build.targets		Customisable TFS Build Properties
*: Customisable Build Targets	The following tasks can be customised by modifying their properties		
1. BeforeEndToEndIteration*	Team Build Task	Associated target	
2. BuildNumberOverrideTarget*	Get – synchronizes the sources on the build server. Also raises log events to inform the logger of every file and version retrieved into the local workspace	CoreGet	
3. InitializeEndToEndIteration			
4. BeforeClean*	Label – labels all source files of a specified workspace	CoreLabel	
5. CoreClean			
6. AfterClean*	GenCheckinNotesUpdateWorkItems – generates the list of all changesets and work items created or affected during a build. Labels are used to tag a particular build	GetChangeSetsAndUpdateWorkItems target is invoked if the build is successful. GetChangeSetsOnBuildBreak target is invoked if the build is not successful.	
7. Clean			
8. InitializeBuild	CreateNewWorkItem – creates new work item for failures during build process. The Found In field in the work item is updated with a link to the specific build number	CreateWorkItem	
9. BeforeGet*	CreateWorkspaceTask – creates new workspace using workspacemapping.xml	InitializeWorkspace	
10. BeforeLabel*	DeleteWorkspaceTask – deletes workspace created during the build. The actual files are not deleted from build server. If specified workspace does not exist, DeleteWorkspaceTask issues a warning	InitializeWorkspace	
11. Label	UpdateBuildNumberDropLocation – creates the drop folder at drop site and updates the build number	InitializeEndToEndIteration	
12. AfterLabel*			
13. InitializeWorkspace	TeamBuildMessage – extension of MSBuild Message Task	AfterCompile	
14. CoreGet	TestToolsTask – runs a set of tests during the build and publishes the results	RunTestWithConfiguration	
15. AfterGet*	MSBuild Reserved Properties		MSBuild well-known Item Metadata
16. PreBuild	1. MSBuildProjectDirectory – The absolute path of the directory where the project file is located, for example, C:\MyCompany\MyProduct. 2. MSBuildProjectFile – The complete file name of the project file, including the file name extension, for example, MyApp.proj. 3. MSBuildProjectExtension – The file name extension of the project file, including the period, for example, .proj. 4. MSBuildProjectFullPath – The absolute path and complete file name of the project file, for example, C:\MyCompany\MyProduct\MyApp.proj. 5. MSBuildProjectName – The file name of the project file without the file name extension, for example, MyApp. 6. MSBuildBinPath – The absolute path of the directory where the MSBuild binaries that are currently being used are located, for example, C:\Windows\Microsoft.Net\Framework\v2.0. This property is useful if you need to refer to files in the MSBuild directory. 7. MSBuildProjectDefaultTargets – The complete list of targets specified in the DefaultTargets attribute of the Project element. For example, the following Project element would have an MSBuildDefaultTargets property value of A;B;C. <Project DefaultTargets="A;B;C" > 8. MSBuildExtensionsPath – The MSBuild folder under the Program Files directory. This location is a useful place to put custom target files. For example, your targets files could be installed at Program Files MSBuild MyFiles Northwind.targets and then imported in project files with the following XML. <Import Project="\$(MSBuildExtensionsPath)\MyFiles\Northwind.targets"/>	Using: <ItemGroup>...	
17. BeforeCompile*		%(FullPath)	C:\MyProject\Src\Prog.cs
18. CoreCompile		%(RootDir)	C:\
19. AfterCompile*		%(Filename)	Prog
20. Compile		%(Extension)	.cs
21. GetChangeSetsAndUpdateWorkItems		%(RelativeDir)	Src\
22. PostBuild		%(Directory)	MyProject\Src\
23. BeforeTest*		%(RecursiveDir)	If Include attribute contains the wildcard **, this metadata specifies the path to the file, beginning at the location of the wildcard. In the following example the item would contain a RecursiveDir value of MyProject\Src\ <ItemGroup></ItemGroup>
24. CoreTest		%(Identity)	Src\Prog.cs
25. Test		%(ModifiedTime), %(CreatedTime), %(AccessedTime)	2004-07-01 00:21:31.5073316
26. AfterTest*			
27. PackageBinaries			
28. TeamBuild			
29. BeforeDropBuild*			
30. CoreDropBuild			
31. CopyLogFiles			
32. AfterDropBuild*			
33. DropBuild			
34. EndToEndIteration			
35. AfterEndToEndIteration*			
36. BeforeOnBuildBreak *			
MSBuild Conditional Constructs			
<Choose> <When> Condition="StringA=='StringB'">...</When> <Otherwise>... </Otherwise> </Choose>			