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## TFS Interview Questions

### Q1. What is TFS?

TFS stands for Team Foundation Server also known as Microsoft TFS that helps to manage teams and their code. It provides a combo of version control, issue tracking, and application lifecycle management.

### Q2. Enlist major functionalities provided by TFS?

Major functionalities provided by TFS are listed below:

1. Project Management.
2. Tracking work items.
3. Version Control.
4. Test case management.
5. Build Automation.
6. Reporting.
7. Virtual Lab Management.

### Q3. In which programming language TFS is written?

TFS is written in three of the primary languages such as C, C++, and C#.

### Q4. What is difference between TFS and SVN?

<b>TFS</b>	<b>SVN</b>
TFS stands for Team foundation server.	SVN stands for Subversion (version control system).
TFS is an Application Life-cycle Management solution.	SVN and Git are source control only.
TFS does source control as well as issue tracking, document management, reporting, continuous integration, virtual labs for testing etc.	TFS's Source Control & SVN are centralized source control, Git is distributed.
TFS is the most tightly integrated into Visual Studio.	SVN has a few third party options for integrating into Visual Studio and they are quite nice, but not as tightly integrated as TFS.

### Q5. Does TFS support Git?

Yes

## Q6. Enlist the steps to create a repository on TFS?

Steps to create a repository on TFS are listed below:

Step 1: Click the Options button on the Code Review Board.

Step 2: Go to the Projects tab.

Step 3: Select a project from the list.

Step 4: Click Add New Repository.

Step 5: Select TFS as a repository type.

Step 6: Specify a Host — your TFS server URL.

for example:

`http://TfsServer:80/tfs/DefaultCollection`

`http://TfsServer:8080/tfs`

`http://tfs.abc.com`

`https://webcollection.visualstudio.com/DefaultCollection/`

Note: To connect Visual Studio Online services, you need to specify a project collection in the Host field (e.g. `https://myaccount.visualstudio.com/DefaultCollection/`).

Step 7: Specify the TFS server settings.

Remote directory — TFS server-side directory.

Working directory — where you check out the source code.

Enter a Description.

Step 8: Click Credentials, and enter the login information to connect to Team Foundation Server, then click OK.

Step 9: You will be notified when a connection is established (or if the connection failed).

Step 10: Click Apply.

## Q7. What is tf Command in TFS?

tf Command-line utility provides many useful operations that we can perform with Team Foundation Server.

Some tf commands in TFS are listed below:

1. **tf add** adds new folder and file from file system to TFS Source Control.
2. **tf branch** copies an item/s from one location to another inside TFS Source Control.
3. **tf branches** displays the history of a branch which can be a file or a folder.
4. **tf changeset** displays info about changesets such as comments, notes and etc.
5. **tf checkin** checks in pending changes to the TFS Source Control.
6. **tf checkout** checks out local files for edit.
7. **tf configure** updates Source Control Settings with modified Check-out settings; Check-in policies; Check-in notes.
8. **tf delete** removes files and folders from TFS.
9. **tf diff** displays differences between two files or a shelveset.
10. **tf dir** presents the contents of the TFS Source Control server.
11. **tf get** gets a read-only copy of a file from the TFS to the workspace and creates folders with the file on

the disk.

12. **tf help** shows help topics about TFS command.
13. **tf history** shows the history of revisions for file/s and folders.
14. **tf label** creates or removes a label from a version of a file or folder.
15. **tf labels** shows labels in the TFS.
16. **tf lock** locks or unlocks a file or folder.
17. **tf merge** applies changes from one branch into another.
18. **tf merges** shows detailed information about past merges between branches.
19. **tf properties** presents info about items under TFS Source Control.
20. **tf rename** renames files or folder paths. Also used to move files or folders.
21. **tf resolve** resolves conflicts between changed items.
22. **tf shelve** stores or deletes pending changes with check-in notes, a comment, and work items.
23. **tf shelvsets** shows info about a set of shelved changes inside TFS Source Control.
24. **tf status** shows info about pending changes to items.
25. **tf undelete** restores deleted items.
26. **tf undo** removes pending changes from a TFS workspace.
27. **tf unlabel** removes an item from an existing label.
28. **tf unshelve** restores shelved file revisions, check-in notes, comments, and work items.
29. **tf view** retrieves a specific version of a file to a disk.
30. **tf workfold** creates, updates, or displays info about the mappings between your workspace and TFS Source Control.
31. **tf workspace** creates, modifies, and views properties and mappings.
32. **tf workspaces** displays info about workspaces in the system.

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