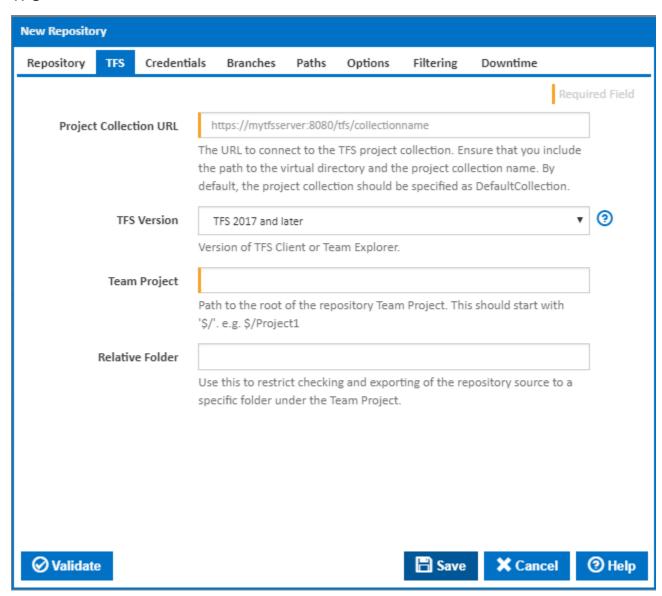
# **Team Foundation Server**

# **TFS**



## **Project Collection URL**

 $The \ URL \ of the \ Team \ Foundation \ Server. \ The \ URL \ pattern \ is \ [\texttt{protocol}]: //[\texttt{domain}]: [\texttt{port}]/\texttt{tfs}/[\texttt{collectionname}]/\texttt{collectionname}]/\texttt{collectionname}/\texttt{collec$ 

The collection name is optional, if not specified it will default to DefaultCollection.

If you are using the hosted version of TFS and you are having difficulty connecting, try specifying the [collection name] at the end of the server path.

Note: If your TFS or VSTS repository is a Git repository, use the Git repository type.

### **TFS Version**

TFS 2010, 2012, 2013, 2015 and 2017 have been tested and work correctly with Continua CI. Older versions may also work with Continua CI.

### **Team Project Path**

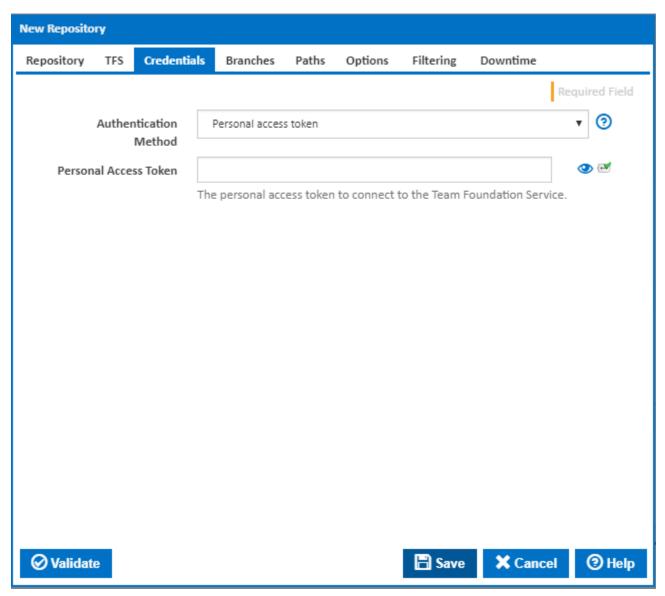
The team project you want to link to Continua CI. The path must start with \$.

The path is usually in the format of \$/myproject.

#### **Relative Folder**

The path to a relative folder under the Team Project. Use this to restrict checking and exporting of the repository source to a specific folder.

# Credentials



### **Authentication Method**

Windows authentication is recommended when connecting to a service which is on a local domain. Otherwise, personal access token is recommended. **Note**: to use basic authentication with Visual Studio Online or Azure DevOps, 'alternate authentication credentials' must be enabled.

# **Basic authentication**

Username

The username to connect to the Team Foundation Service.

Password

The password to connect to the Team Foundation Service.

#### Personal access token

#### Personal Access Token

The personal access token to connect to the Team Foundation Service.

#### Windows authentication

#### Username

The username to connect to the Team Foundation Service. Leave blank to connect using the Continua CI Server service credentials.

#### Password

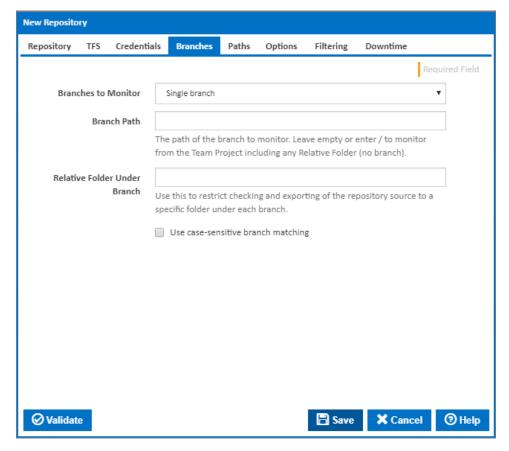
The password to connect to the Team Foundation Service. Leave blank to connect using the Continua CI Server service credentials.

### **Branches**

#### **Branches To Monitor**

There are four options to choose from when selecting which branch(es) to monitor.

### 1. Single branch



This option tells Continua CI to monitor only the single branch you specify.

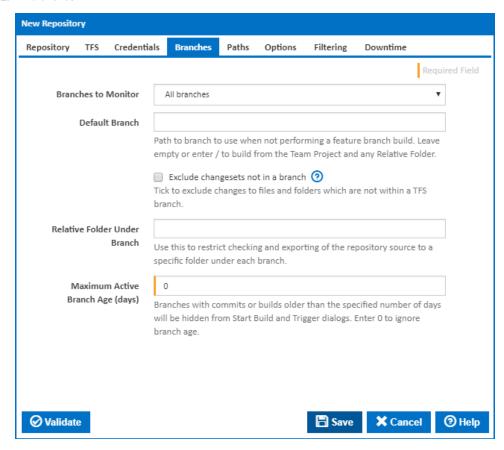
When you select this option you need to provide a **Branch Path** which is the path of the branch you want ContinuaCl to monitor. The Branch Path should start with / and is usually in the format of /mybranch. If you want to monitor from the root of the repository and exclude any branches, then you can leave the Branch Path blank or enter /.

You can also specify a **Relative Folder Under Branch**. This allows you to restrict checking and exporting of the repository source to a specific folder under the branch.

### Use case-sensitive branch matching

Tick to take case into account when matching the branch against the branch pattern.

#### 2. All branches



This option tells Continua CI to monitor all branches in the repository.

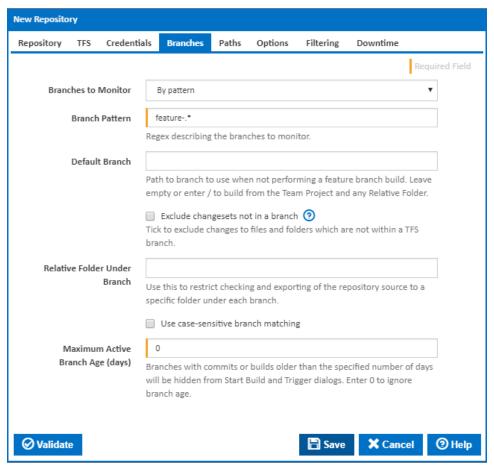
When you select this option you need to provide a **Default Branch** path so Continua CI knows what to use for a build when no branch is selected. The Default Branch should start with / and is usually in the format of /mybranch. If you want Continua to get code from root of the repository by default, excluding any branches, then you can leave the Default Branch blank or enter /.

By default any changes in folders which are not part of a TFS branch will be associated with a root branch path "/" displayed as "no branch". Tick the **Exclude changesets not in a branch** checkbox to exclude these changesets.

You can also specify a **Relative Folder Under Branch**. This allows you to restrict checking and exporting of the repository source to a specific folder under each branch. Note that no changesets will be picked up from any branches which do not include this relative folder.

If you enter a non-zero **Maximum Branch Age**, then branches with commits or builds older than the specified number of days will be hidden from Start Build and Trigger dialogs.

### 3. By pattern



This option tells Continua to monitor any branch that matches a pattern you provide in the **Branch Pattern** field. The Branch Pattern field accepts a regular expression which is matched against all the branches in your TFS repository.

Since the pattern can potentially match more than one branch, you also need to provide a **Default Branch** value so Continua knows what to use for a build when no branch is selected. The Default Branch should start with / and is usually in the format of /mybranch. If you want Continua to get code from root of the repository by default, excluding any branches, then you can leave the Default Branch blank or enter /.

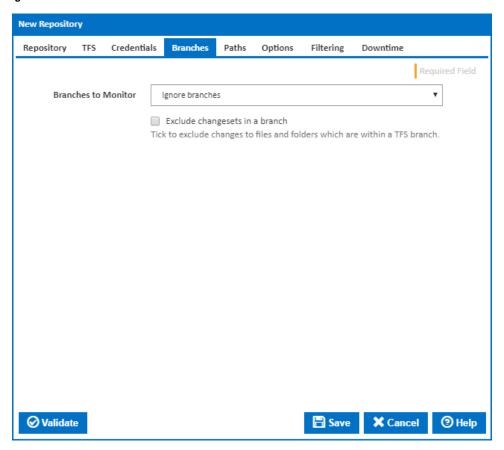
By default any changes in folders which are not part of a TFS branch will be associated with a root branch path "/" displayed as "no branch". Tick the **Exclude changesets not in a branch** checkbox to exclude these changesets.

You can also specify a **Relative Folder Under Branch**. This allows you to restrict checking and exporting of the repository source to a specific folder under each branch. Note that no changesets will be picked up from any branches which do not include this relative folder.

Use case-sensitive branch matching - Tick to take case into account when matching the branch against the branch pattern.

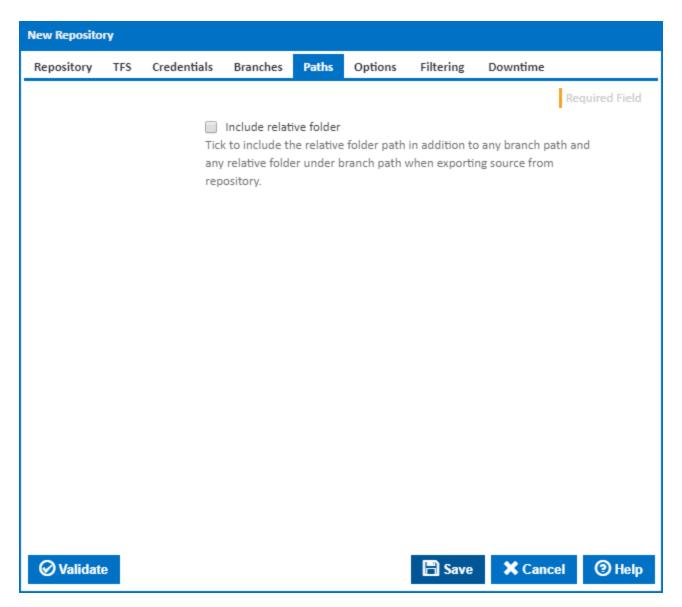
If you enter a non-zero **Maximum Branch Age**, then branches with commits or builds older than the specified number of days will be hidden from Start Build and Trigger dialogs.

### 4. Ignore branches



This option tells Continua to ignore all branches. Any branches will be treated the same as if they were folders unless you tick the **Exclude changesets in a branch** checkbox, in which case changesets associated with a branch will be ignored.

# **Paths**

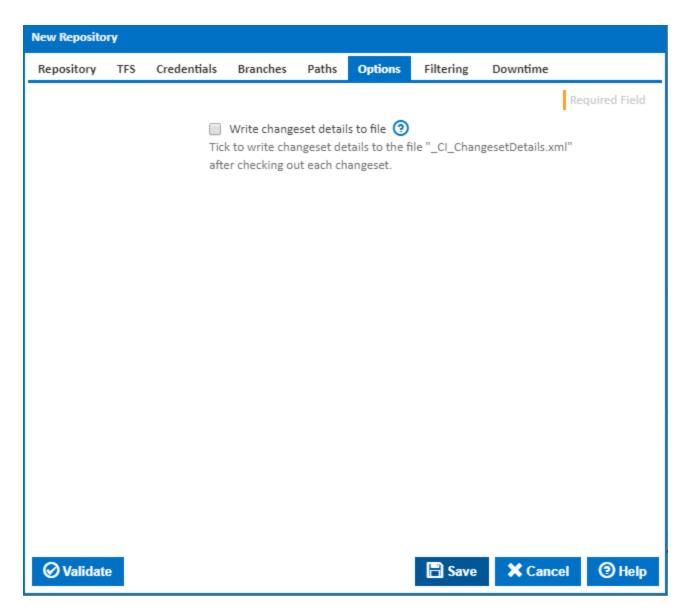


By default the source code is exported relative to the folder under the branch path.

### Include relative folder

Tick to include the relative folder path in addition to any branch path and any relative folder under branch path when exporting source from repository.

# **Options**



# Write changeset details to file

 $\label{thm:continuous} \mbox{Tick to write changeset details to the file "$\_$Cl$\_ChangesetDetails.xml" after checking out each changeset.}$