

MIGRATE SHARED QUERIES

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Licensing Details

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Overview

The tool MigrateSharedQueries is built to reduce manual effort for creating shared queries after we migrate work items from a Source TFS server to a Destination TFS server. This tool reads the configuration files for Source and Destination TFS server details, Area Path mappings and Iteration Path mappings and then migrates the shared queries accordingly.

Technical Details

Migrate Shared Queries tool is a console application developed in Visual Studio 2013 with .NET framework 4.5 settings. The tool has two configuration files, App.config and PathMappings.xml.

Configuration Settings

Before running the tool you need to set the following configurations in the App.config and the PathMappings.xml files. This section explains how to edit the configurations to match your Source and Destination TFS Server settings.

App.config (MigrateSharedQueries.exe Config file):

Source TFS Server configuration

Below section in App.config defines your source TFS Server details

```
<!--=====Source Query
Configurations===== -->
  <!--Source TFS Server URL from which queries to copy -->
  <add key="SourceTFSserverUrl" value="http://vstfipe:8080/tfs/IPE"/>
  <!--Source Team Project Name-->
  <add key="SourceProject" value="IPE"/>
  <!--Source Top level folder e.g. My Queries or Shared Queries -->
  <add key="SourceTopFolder" value="Shared Queries"/>
  <!--Source Sub folder-->
  <add key="SourceSubFolder" value="Migration_AR"/>
  <!--
=====
====-->
```

SourceTFSserverUrl: This parameter contains the source TFS server URL in the format
http://<TFSServerName>/tfs/Project Collection

SourceProject: This parameter contains the source TFS project name

SourceTopFolder: This parameter has the default value "Shared Queries" which represents the Shared Queries section in TFS. Please do not update this value

SourceSubFolder: This parameter contains the folder name created under Shared Queries section in TFS which contains all the shared queries and folders to be Migrated

Tip: Before running the tool we suggest you to create one parent folder under the "Shared Queries" section in the source TFS server, and beneath that create the folder hierarchy for the shared queries which you want to migrate. Once that parent folder has been migrated to the destination, users can move the shared queries as required.

Destination TFS Server Configuration

Below section in App.config defines your destination TFS server details

```
<!--=====Destination Query
Configurations=====-->
  <!--Destination TFS Server URL to which queries will be copied-->
  <add key="DestTFSserverUrl" value="http://vstfbing:8080/tfs/Bing"/>
  <!--Destination Team Project Name-->
  <add key="DestProject" value="Bing"/>
  <!--Destination Top level folder e.g. My Queries or Shared Queries -->
  <add key="DestTopFolder" value="Shared Queries"/>
  <!--Destination Sub folder-->
  <add key="DestSubFolder" value="Migration_AR"/>
  <!--
=====
=====-->
```

DestTFSserverUrl: This parameter contains the destination TFS server URL in the format http://<TFSserverName>/tfs/Project Collection

DestProject: This parameter contains the destination TFS project name

DestTopFolder: This parameter has the default value "Shared Queries" which represents the Shared Queries section in TFS and which contains all the TFS Shared Queries. Please do not update this value

DestSubFolder: This parameter contains the folder name created under Shared Queries section in TFS where all your shared queries and folders will get migrated

General Settings

This section is about settings in the App.config file w.r.t the xml configuration file path and email addresses.

```
<!--XML file path which contains mapping between Source-Destination Area Paths and
Iteration paths-->
  <add key="PathMappingfilepath" value="D:\PathMappings.xml"/>
  <add key="MailFrom" value="alias@microsoft.com"/>
  <add key="MailTo" value="alias@microsoft.com"/>
```

PathMappingfilepath: This Parameter contains the path to the PathMappings XML file

MailFrom: Email address of the Account from which mail will be sent when an error is encountered

MailTo: Email address of the person or distribution list to whom mail will be sent when an error is encountered

PathMappings.xml

Area Path Mapping

This section contains source and destination AreaPath mappings.

```
<AreaPaths>
  <AreaPath sourceAPath="IPE\Augmented Reality"
destAPath="Bing\Platforms\Augmented Reality"/>
  <AreaPath sourceAPath="IPE\Augmented Reality\Bing Translator"
destAPath="Bing\Platforms\Augmented Reality\Bing Translator"/></AreaPaths>
```

sourceAPath: This parameter needs to be updated with the source AreaPath value.

destAPath: This parameter needs to be updated with destination AreaPath value.

Iteration Path Mapping

This section contains all source and destination IterationPath mappings

```
<IterationPaths>
  <IterationPath sourceIPath="IPE" destIPath="Bing"/>
</IterationPaths>
```

sourceIPath: This parameter needs to be updated with source iteration path value.

destIPath: This parameter needs to be updated with destination iteration path value.

Operator Mapping

This section contains operator mappings in case you want any additional field mappings. Below is an example for Markets field. This section is optional for running this tool.

```
<MarketsField>
  <Operator sourceMarkets="[Microsoft.VSTS.Common.Markets] ="
destMarkets="[Microsoft.VSTS.Common.Markets] CONTAINS"/>
  <Operator sourceMarkets="[Microsoft.VSTS.Common.Markets] &lt;&gt;"
destMarkets="[Microsoft.VSTS.Common.Markets] NOT CONTAINS"/>
  <Operator sourceMarkets="[Microsoft.VSTS.Common.Markets] CONTAINS"
destMarkets="[Microsoft.VSTS.Common.Markets] CONTAINS"/>
</MarketsField>
```

Conclusion

After completing the configuration settings run the executable file “MigrateSharedQueries.exe” to migrate your shared queries from Source TFS Server to Destination TFS Server.