Azure DevOps Migration Tool:

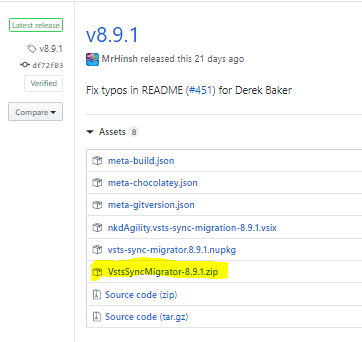
The Azure DevOps Migration Tools allow you to migrate data between Team Projects on both Microsoft Team Foundation Server (TFS) and Azure DevOps Services.

How to Download/Install Azure Devops Migration Tool.

1. Go to the below link

<https://github.com/nkdAgility/azure-devops-migration-tools/releases>

1. Check for the latest version of the tool and download the “VstsSyncMigrator-8.9.1.zip” package.



1. Unzip the folder.

Create a default configuration file

1. Open the unzipped folder “ VstsSyncMigrator-8.9.1” and copy the path of folder.
2. Open Command prompt and use cd Command and paste the folder path to get inside the VstsSyncMigrator-8.9.1. folder.
3. Run "./migration.exe init" to create a default configuration
4. Open "configuration.json" in Notepad++

Pre-requisite

1. In order to store the state for the migration, create a Common Field “ReflectedWorkItemIds” in all Work items in Source and Target Projects.

XML Syntax :-

|  |
| --- |
| <FIELD name="ReflectedWorkItemIds" refname="Jio.Common.ReflectedWorkItemId" type="String" reportable="dimension">  <HELPTEXT>To which release does this work apply</HELPTEXT>  </FIELD> |

1. Fields used in query bit should be present in both projects. (Jio.Common.Buisness)
2. Identify and Add drop down fields Value from source project which is not present in target project.

**1)** Below missing values will be added in **Jio.Common.TestType** M-POS Automation, Integration, Post Live, Sanity

1. Notification Alert : Disable the WorkItems Notification Alert in source and Target projects.

Json File Configuration:

1) Enter the Correct **Version** of the Tool

**"Version": "8.8",**

2) Source and Target Project Details:

"Source": {

"Collection": " **https://devops.jio.com/Retail**",

"Project": " **DemoMigration**",

"ReflectedWorkItemIDFieldName": "**Jio.Common.ReflectedWorkItemId**",

"AllowCrossProjectLinking": false

},

"Target": {

"Collection": "**https://devops.jio.com/TestCollection**",

"Project": "**DemoMpos**",

"ReflectedWorkItemIDFieldName": "**Jio.Common.ReflectedWorkItemId**",

"AllowCrossProjectLinking": false

}, },

3) **Field Mapping** :

By Default Azure Devops Migration Tool automatically map Source and Target field having same Reference name . If the refrence name is not same then it should be map as follows:

Syntax:-

|  |
| --- |
| {  "ObjectType": "VstsSyncMigrator.Engine.Configuration.FieldMap.FieldtoFieldMapConfig",  "WorkItemTypeName": "\*",  "sourceField": "Jio.Common.TestPhase",  "targetField": "Jio.Common.TestType"  }, |

|  |
| --- |
| {  "ObjectType": "VstsSyncMigrator.Engine.Configuration.FieldMap.FieldtoFieldMultiMapConfig",  "WorkItemTypeName": "\*",  "SourceToTargetMappings": {  "SourceField1": "TargetField1",  "SourceField2": "TargetField2"  }  }, |

|  |
| --- |
| {  "ObjectType": "VstsSyncMigrator.Engine.Configuration.FieldMap.FieldtoFieldMultiMapConfig",  "WorkItemTypeName": "Bug",  "SourceToTargetMappings": {  "SourceField1": "TargetField1",  "SourceField2": "TargetField2"  }  }, |

4) **State Mapping:**

Syntax:-

|  |
| --- |
| {  "ObjectType": "VstsSyncMigrator.Engine.Configuration.FieldMap.FieldValueMapConfig",  "WorkItemTypeName": "Task",  "sourceField": "System.State",  "targetField": "System.State",  "valueMapping": {  "Proposed": "New",  "Committed": "Active",  "In Progess": "Active",  "QA": "Active",  "Completed": "Closed"  }  }, |

|  |
| --- |
| {  "ObjectType": "VstsSyncMigrator.Engine.Configuration.FieldMap.FieldValueMapConfig",  "WorkItemTypeName": "\*",  "sourceField": "System.State",  "targetField": "System.State",  "valueMapping": {  "Proposed": "New",  "Committed": "Active",  "In Progess": "Active",  "QA": "Active",  "Completed": "Closed"  }  }, |

5) **WorkItem Mapping:-**

|  |
| --- |
| "WorkItemTypeDefinition": {  "Task": "Task",  "Bug": "Bug",  "Feature": "Feature",  "Epic": "Epic",  "Production Bug": "Bug",  "User Story": "User Story"  }, |

6) Area and Iteration Path:- Use below configuration , this will copy all the area and Iteration Path.

|  |
| --- |
| "Processors": [{  "ObjectType": "VstsSyncMigrator.Engine.Configuration.Processing.NodeStructuresMigrationConfig",  "PrefixProjectToNodes": true,  "Enabled": true,  "BasePaths": []  }, |

Command to Run Json File

Open command prompt and go inside “VstsSyncMigrator” folder and run the below command.

* **migration.exe execute --config <Filename.json>**

Post- Migration Steps:

1. Enable Work Item Notification
2. Bulk Update of list value.

2.1)Values to be mapped in **Jio.Common.TestType**

E2E = End to End Validation,

System = System Test,

User Acceptance = User Acceptance Test

2.2)Values to be mapped in **Jio.Common.FoundInEnvironment**

Dev-INT,

SIT, ST,

UAT = No mapping,

Pre prod = PP,

Production = Prod

1. Update 24 Production Bugs
2. Data Correction If any.