OpsHub Migrator for Microsoft Azure DevOps (OM4ADO)

Automated, Non-Disruptive, Selective Project Migration Between Azure DevOps Systems

OpsHub Migrator for Microsoft Azure DevOps (OM4ADO) is a comprehensive and reliable solution for modern software development teams migrating data across Microsoft's Azure DevOps landscape. OM4ADO is the best tool for seamless transfer of projects between Azure DevOps Server and Azure DevOps Services ecosystems. OM4ADO retains historical data, facilitates compliance, and offers an intuitive interface for automated and non-disruptive project migrations.

Why OpsHub Migrator for Microsoft Azure DevOps?

Modern software development teams often need to migrate data across Microsoft's Azure DevOps landscape for various reasons, including business reorganization initiatives like integrations, mergers and acquisitions, divestments, or project restructuring.

This requires a reorganization of projects within Azure DevOps (ADO) – a powerful platform for managing development. However, ADO migration and modernization pose significant challenge and risk. Preserving historical data and minimizing downtime and disruption are key to the success of ADO migration projects.

OM4ADO helps teams to reorganize projects in ADO, leading to optimized workflows, enhanced collaboration and full data compliance. OM4ADO enables seamless and automated project migration retaining essential models, structures, and revision history with ZERO downtime.

OM4ADO does so by:

▸ Reducing the complexity of migration with its user–friendly interface.

▸ Providing a robust and reliable mechanism for migrating data between two system endpoints (source and target), ensuring that data integrity is maintained throughout the migration process.

▸ Minimizing downtime and ensuring project teams can continue to work and deliver value without disruption during the migration process.

Key Features

» **Support for Multiple Versions:** OM4ADO supports the 2010, 2012, 2013, 2015, 2018, 2019, 2020, and 2022 versions of Azure DevOps Server, and all versions of Azure DevOps Services.

» **Data Restructuring and Transformation:** OM4ADO offers the ability to restructure and transform data, including merging or splitting projects and customizing templates, instead of a plain lift and shift approach.

» **Flexible Migration Options:** OM4ADO supports migration between different combinations of Azure DevOps Server and Azure DevOps Services, including Server to Server, Services to Server, Services to Services, Server to Services, consolidating instances, and easy migration to the cloud using a simple 5-step process with low bandwidth requirements.

» **Incremental Migration:** OM4ADO enables an agile approach to migration for organizations, which allows users to perform incremental migrations in smaller batches, minimizing downtime and disruption to development teams to align with readiness and onboarding in the target systems.

» **Wide Range of Data Types:** OM4ADO supports the migration of various data types, including embedded images, TFVC, test results, test entities, test plans, test runs, pipelines, dashboards, queries, widgets, history, and all work items.

» **ZERO Downtime Migration:** OM4ADO facilitates true zero downtime migration using automation, eliminating the need for manual, error-prone approaches to recovery, restarting, or changing requirements.

- �» **Reverse Synchronization and Cross-Project Linkages:** OM4ADO supports reverse synchronization, preserving cross-project linkages during the migration process.

- �» **Efficient Conflict Resolution:** OM4ADO equips teams with efficient conflict resolution capabilities, automatically handling conflicts that may arise during migration and ensuring accurate and complete migration.

- �» **Pre-Migration Validation:** OM4ADO offers a pre-migration validation feature that checks for any issues in the source data before starting the migration process, reducing the risk of data loss or corruption.

- �» **Delta Sync for Smooth Cutover:** OM4ADO helps teams plan a smooth cutover with the delta sync feature, allowing incremental updates and synchronization between source and target systems.

- �» **Factory Approach to Migration:** OM4ADO saves time and effort with a factory approach to migration, streamlining the process.

Hardware & Software Prerequisites:

Supported Operating systems	Hardware Prerequisites	Others
▸ Windows Server 2008 R2 and above (64-bit).	▸ **RAM:** Minimum 8 GB (recommended) ▸ **Free Disk Space:** 2x the total DB size of the repositories for which the Changesets are to be migrated parallelly on the drive where OM4ADO is installed (recommended). • If the migration is to be done sequentially for multiple repositories, use the maximum size among the repository list. • **Note:** The Disk space prerequisite is for the users who want to migrate TFVC data, not for users who only want to migrate work items' data. • 50 GB disk space is required if the user wants to migrate work items' data only.	▸ **Ports Prerequisites** • OM4ADO uses ports 8989 and 9090. These are customizable. ▸ **.NET Framework Prerequisites** • Installation of OpsHub Migrator for Microsoft Azure DevOps needs Microsoft .NET Framework 4.7.2 or higher on the machine where OM4ADO is to be installed.

To learn more details about the installation prerequisites, refer here.

About OM4ADO Editions

Feature	Community Edition	Professional Edition	Ultimate Edition
Work item and Changeset migration	Yes	Yes	Yes
Migration of projects having customization (Same)	Yes	Yes	Yes
Work items and Changeset migration (Rich: E.g., Bug, User Story, Task…) with Attachments, Comments & Relationships among them along with Changesets with SCM labels and relationship with the work items	No	Yes	Yes
Impersonation	No	Yes	Yes
Test Entities migration	No	Yes	Yes
Meta Entities migration	No	No	Yes
Query, Dashboards migration	No	No	Yes
Pipeline Migration*	No	No	Yes
Migration of projects requiring transformation	No	**Yes ****	**Yes ****

∗ We support only Build Pipeline migration. We do not support the Release pipeline.

∗∗ Yes, based on the outcome of a focused implementation assessment session.

- The Community Edition is limited to migrating projects with less than 1000 revisions of work items and less than 1000 changesets with history of TFVC data between Azure DevOps Server & Azure DevOps Services. Custom template isn't supported in the Community Edition.

- To learn more about the features of OM4ADO, click here.

- To watch Azure DevOps Server to Azure DevOps Services migration using OM4ADO in action, click here.

- To watch Azure DevOps Services to Azure DevOps Services migration using OM4ADO in action, click here.

OM4ADO vs Others

Feature	OM4ADO	Lift & Shift Migrator	Script-based Migration Tools	Manual
Ease of migration	🟢 Yes	🟢 Yes	🔴 No	🔴 No
Error-proof migration	🟢 Yes	🟢 Yes	🔴 No	🔴 No
Template reusability	🟢 Yes	🟢 Yes	🔴 No	🔴 No
History/ Revision based migration	🟢 Yes	🟢 Yes	🟢 Yes	🔴 No
Template customization	🟢 Yes	🔴 No	🔴 No	Difficult
Support for linkages, comments/ discussions, attachments	🟢 Yes	🟢 Yes	🟢 Yes	🔴 No
Migrating large projects	Easy	Easy	🔴 No	Difficult
Zero – downtime migration & Syncing delta changes	🟢 Yes	🔴 No	🔴 No	Difficult
Failure management & recovery	🟢 Yes	🔴 No	🔴 No	🔴 No
User impersonation	🟢 Yes	🟢 Yes	🟢 Yes	🟢 Yes
Migrating test entities (Test plan, Test Suite, Test Run, Test Result)	🟢 Yes	🟢 Yes	◐ Partial (Beta)	🔴 No
Users, Groups, Dashboards & Widgets, Process Template migration	🟢 Yes	🟢 Yes	🔴 No	🔴 No
Code (Version Control) migration	TFVC Repo	🟢 Yes	Git Repo	🔴 No
Build Pipelines	🟢 Yes	🟢 Yes	Via ADO in-built export-import	🔴 No
Rich Text data including Inline Files/Images, User Mention	🟢 Yes	🟢 Yes	◐ Partial	Difficult
Migrating single or partial projects in a collection	🟢 Yes	🔴 No	🔴 No	🟢 Yes
Label sync for Version Control	🟢 Yes	🟢 Yes	🟢 Yes	🔴 No
Multiple-to-one user mapping	🟢 Yes	🔴 No	🟢 Yes	🔴 No
WorkItem Type and Project Change	🟢 Yes	🟢 Yes	🔴 No	🔴 No

🟢 Yes ◐ Partial 🔴 No

For detailed information on how OM4ADO works, sign up for a free demo.