Workzone Cloud Migration Guide

More Resources (cloud) · https://izymes.com/docs/workzone-cloud-migration-guide/

The Workzone Cloud Migration Assistant W_CMA) helps your team to migrate Workzone project and repository settings from Bitbucket Server/Datacenter to Bitbucket Cloud. Once the core Bitbucket Server/Datacenter migration including users, projects and repositories to Bitbucket cloud is complete you can install Workzone for Bitbucket Cloud in your workspace and use the W-CMA to migrate Workzone settings.

Feature Comparison and Overview

Feature	Server/Data Center Supported	Cloud Supported	Migration Tool Support
Global Configuration			
Pull Requests - Configure how Workzone interacts with pull requests	✔		
Performance optimization parameters	✔	Only the group size limit supportedAll others are not	
Audit logging	✔		
Reviewers for source and destination branch			
Casual reviewers	✔	✔	✔
Mandatory reviewers	✔	✔	✔
Required mandatory approvals	✔	✔	✔
Reviewer Groups	✔	✔	✔
Mandatory reviewer groups	✔	✔	✔

Suggested reviewers	✔		
File & directory pattern based reviewers	✔	✔	✔
Priority	✔		
Compliance for source and destination branch			
Digitally sign pull request approvals	✔	✔	✔
Merge Control for source and destination branch			
Priority	✔		
Approval Rate	✔	✔	✔
Required approvals per group	✔	✔	✔
Required signatures	✔	✔	✔
Required mandatory approvals	✔	✔ These are mandatory anyway	✔
Ignore committer approvals	✔	✔	✔
Delete source branch	✔	✔	✔
Required successful builds	✔	✔	✔
Watch build results	✔	✔	✔
Needs work veto	✔	✔ - Called “Request changes”	✔
Watch task completion	✔		
Boolean expression based merge condition	✔		
File and Path reviewers approval quotas	✔	✔	✔
Workflow Properties			

Push after pull request	✔		
Unapprove pull request on source change	✔		
Unapprove pull request on target change	✔		
Enforce merge condition	✔	Via branch restrictions [link to setup guide]	Requires manual configuation

Differences between Workzone Cloud and Workzone Server/Data Center

Workzone Server/Data Center offers advanced boolean expression conditions for merge expressions. However cloud only offers simple merge conditions. Each condition is chained to require the *AND* operator.

Server example: successful builds count >=1 | group quota >=2

The equivalent in Cloud is not possible to us “|”, the equivalent in Cloud would be using “AND” operator for each condition, so that would then look like: successful builds count >=1 AND group quota >=2

Workzone Cloud supports ignoring committer approvals for Workzone approval quotas. When enabled, approvals from users who contributed commits to the pull request are not counted towards the configured Workzone approval quota.

Workzone Cloud does not revoke or reset Bitbucket approvals. The approval remains visible in Bitbucket, but Workzone excludes it when evaluating the merge check.

Migration path options

- Manual migration is supported - If you want to test out the migration process on a small repository or instance, this can be an easy option.
- Partial migration using Workzone CMA - Recommended for more complex reviewer configurations, especially file/path reviewers and required approvals. This is recommended if projects, repository,

groups and user slugs are a direct match.
    - The Workzone CMA will extract Workzone settings from Bitbucket Server/Data Center and create a json file that can be imported into Bitbucket Cloud. The admins can make modifications to the json file, for example, user or group slug mapping before importing it.

- Fully automated migration is not supported. Cloud only supports simplified merge conditions. Advanced merge conditions from Server/ Data Center are not yet supported in Bitbucket Cloud yet.

Migration Guide from Server/Data Center to Cloud

Pre-Migration Checklist

You must run the Bitbucket Data Center migration assistant first to map all users, groups, repos etc. (most of those should already be present after using the Bitbucket Data Center migration tool).

All required users have been added to Bitbucket Cloud. Ensure their Atlassian account email addresses match the corresponding Data Center users so they can be correctly mapped during migration.

All **user groups** have been added to Bitbucket Cloud - Check all **group name slugs** are identical.

All **repositories** have been added to Bitbucket Cloud - Check all **repo slugs** are identical.

All **projects** have been added to Bitbucket Cloud - Check all **project keys** are identical.

Check all **project & repository permissions** are identical

Create a Bitbucket Cloud API token with the required permissions for the workspace administrator. This token will be used by the Workzone Cloud Migration Assistant to authenticate with Bitbucket Cloud.

Ensure that the API token and administrator's Atlassian account email address are configured in the migration assistant's `.env` file, as described below.

Using the Workzone cloud migration assistant

The Workzone cloud migration assistant is a NodeJs script that can be run from a local machine that has access to both Bitbucket Server/Datacenter and Bitbucket Cloud workspace.

Before running the Workzone Cloud Migration Assistant, configure a local `.env` file using the `sample.env` template provided in the migration assistant repository.

Enter your Bitbucket Server/Data Center URL and administrator credentials, along with your Bitbucket Cloud workspace identifier.

For Bitbucket Cloud authentication, create an API token with the required permissions for the workspace administrator. Use the administrator's **Atlassian account email address and API token**, rather than a Bitbucket username and app password.

Configure the following environment variables:

```
# Bitbucket Cloud workspace administrator's email address
BITBUCKET_CLOUD_USERNAME="admin@example.com"

# Bitbucket Cloud API token (not an app password)
BITBUCKET_CLOUD_PASSWORD="your-api-token"

# Bitbucket Cloud workspace identifier
BITBUCKET_WORKSPACE="your-workspace"
```

Note: Although the environment variables retain the names `BITBUCKET_CLOUD_USERNAME` and `BITBUCKET_CLOUD_PASSWORD`, their values must be the administrator's Atlassian account email address and API token respectively. The separate Server/Data Center authentication settings remain unchanged.

Refer to the migration assistant's README for further configuration instructions. Keep your `.env` file secure and never commit credentials or API tokens to source control.

The Workzone Cloud Migration Assistant can be run locally using Node.js or through a Docker container. Please refer to the migration assistant README for the latest runtime requirements and instructions.

1. Clone the Workzone cloud migration assistant from izymessupport/workzone-cloud-migration-assistant
2. Follow instructions in the README file.

Limitations and known issues

- Workzone Cloud **does not** support the Workzone Server properties/hooks, such as;
  - Push after Pull Request
  - Unapprove Pull Requests on Source Change
  - Unapprove Pull Requests on Target Change
- Workzone Cloud **does** support the Workzone Server properties/hooks, such as;
  - Enforce merge condition - this is done via branch restrictions.
  - Ignore committer approvals – approvals from pull request committers can be excluded from Workzone approval quota calculations.

App Licensing

Workzone for Server / Data Center is paid via Atlassian Marketplace (PvA). Whereas due to Bitbucket Cloud not yet offering a payment gateway, Workzone for Cloud is paid via vendor (using Stripe).

If you have any questions regarding licensing, please contact support.

Support

If you need assistance with the migration process of Workzone from Server/Data Center to Cloud, or if you have any questions regarding the migration process, you can contact our support here.

If required, we can schedule a virtual meeting to walk through the process in greater detail.

Try Workzone for Cloud!