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Atlassian Products MIgration DAtacenter to Cloud

Table of Contents

**Purpose of Document2**

**Scope 2**

Prerequisite2

**Software versions2**

**Cloud Migration Assistant supported versions with Atlassian datacenter editions 2**

**Task Execution sequence2**

**Datacenter Setup for Atlassian products3**

**Integration Between Atlassian Products3**

**Migration of Atlassian Datacenter products to Cloud3**

Migrating Confluence Datacenter to Cloud3

Migrating Bitbucket Datacenter to Cloud12

Migrating Jira Datacenter to Cloud 18

1. **Purpose:**

The purpose of this POC is to migrate the Atlassian products (Jira, Confluence, Bitbucket) from Data Center to Cloud.

1. **Scope:**

The scope of this project includes the following:

* Data Center Setup for Atlassian Products (Jira, Confluence, Bitbucket)
* Including the sample data into the products which can be tested as a part of the Migration.
* Preparing for migration
* Setting up the Atlassian Cloud Environment
* Migrating the data and configurations
* Testing and validation

1. **Prerequisite:**
2. Datacenter setup of Atlassian products with datacenter Licence (email address to generate your evaluation license.)
3. Atlassian Cloud account
4. **Software Versions Used:**

|  |  |  |
| --- | --- | --- |
| Name | Version | Type |
| Jira | 9.7.1 | Datacenter |
| Confluence | 8.2.1 | Datacenter |
| Datacenter | 7.21.11 | Datacenter |

## **Cloud Migration Assistant supported versions with Atlassian datacenter editions:**

|  |  |
| --- | --- |
| Jira | 7.6.0 + |
| Confluence | 6.15 + |
| Bitbucket | 7.00 + |

# **Task execution sequence:**

Datacenter Setup for Atlassian products

1. Datacenter Setup for Jira
2. Datacenter Setup for Confluence
3. Datacenter Setup for Bitbucket

Integration Between Atlassian Products

1. Integrating Jira with Confluence & Bitbucket (Reciprocal)

2. Integrating Bitbucket with Confluence (Reciprocal)

Migration of Atlassian Datacenter products to Cloud

1. Migrating Confluence Datacenter to Cloud
2. Migrating Bitbucket Datacenter to Cloud
3. Migrating Jira Datacenter to Cloud

**Datacenter Setup for Atlassian products:**



**Integration Between Atlassian products Using Application Links:**

****

**Migration of Atlassian Products from Datacenter to Cloud:**

1. **Migrating Confluence Datacenter to Cloud**
   1. Install Confluence Cloud Migration Assistant App
      * In Confluence, go to > **Manage apps**.
      * Choose **Find new add-ons**.
      * Search for the **Confluence Cloud Migration Assistant**.
      * Choose **Install** and you're all set.

## Locate the Migration Assistant

* + - Go to **Confluence Administration** > look for the **Atlassian Cloud** category > select **Migration Assistant.**

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**There are four steps to create your migration path:**

1. Assess your apps.
2. Prepare your apps.
3. Review all email domains.
4. Migrate your data.

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1. **Assess Your Apps**

**Note about apps in Stage 1 and Stage 2**

On the Assess your apps screen, apps with an Automated path can be listed with a Stage 1 or Stage 2 label.

**Stage 1:** Apps in this stage have an unknown or demonstrated low migration success rates. If you choose to migrate Stage 1 apps and the app data migration fails, you will need to contact the respective Marketplace Partner (app vendor) for support.

**Stage 2:** Apps in this stage have demonstrated high migration success rates.

As you assess your apps, it is important to read our docs to understand the stages of apps with automated migration paths.

If you have critical data managed by apps on your server, be sure to check with the Marketplace Partner (app vendor) about the best process to migrate that data.

When you have finished assessing your apps, select **Done**. This takes you back to the Migration Assistant home screen where you can choose to prepare your apps as the next step.

**2.Prepare Your Apps**

There are following main tasks you’ll perform at this stage:

* connect to your Cloud site.
* choose what to migrate.
* Review Pre-migration checks.
* Migrate the data and users.

On the Migration Assistant home screen, select **Prepare your apps**. This takes you to the Connect to cloud screen.

### **2.1 Connect to your Cloud site.**

You can link your chosen Cloud site at this step. There are three ways to do this:

* select your existing Cloud site from the dropdown.
* signup for an Atlassian Free plan (max 10 users, free Cloud site)
* set up a free product trial.

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* Provide the details of your datacenter Confluence URL (Source and destination)

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* Provide the name for the migration also provide the URL of your (Atlassian)cloud account.

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### **2.2 Choose What to migrate.**

* Select the check boxes what item need to be migrated to the cloud.

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**2.3 Review Pre-Migration**

* Review the pre-migration checks before you start the migration process.

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**2.4 Migrate Users and Data**

* Once done with the review of migration start the migration.

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* Once the migration is done you can see successful migration message on the screen

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* Once Done with the migration browse to the cloud site confluence and you can be able to see the migrated user and spaces.

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1. **Migrating Bitbucket Datacenter to Cloud:**

## **Download and install the Bitbucket Cloud Migration Assistant**

* + - In Bitbucket, go to > **Manage apps**.
    - Choose **Find new add-ons**.
    - Search for the **Bitbucket Cloud Migration Assistant**.
    - Choose **Install** and you're all set.

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## **Set up and run your migration.**

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* + - To set up a new migration, select **Manage your migration**. You'll then be able to **Create a new migration**.

### **2.3 Connect to cloud.**



* + - Click on connect to cloud.

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* + - Add a name for your cloud migration plan.

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### **2.4 Choose what to migrate.**

* + - Migrate your users and choose the repositories you’d like to migrate to Bitbucket Cloud.

#### Migrating users

Your Server users will be added to the Bitbucket Migration Users group in Bitbucket Cloud. **Note:** The migrated users will not have access to anything within Bitbucket Cloud. You will need to create groups or move them to existing groups and provide the migrated users the necessary access and permissions to any repositories or other content in Bitbucket Cloud.

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#### Choose the repositories you’d like to migrate.

1. Select the repositories you would like to migrate to your cloud destination.
2. Select **Add to migration** once you have selected all the repositories and projects to be migrated to your cloud destination.

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**2.5 Check for Errors**

To begin this step, the Bitbucket Cloud Migration Assistant will review your migration and check for some common errors.

The Bitbucket Cloud migration assistant checks for the following errors:

* Ensure you are running the latest version of the migration assistant.
* Ensure all your active users have a unique and valid email address.
* Ensure all projects contain valid information, such as character limits and formatting or the length of the description.
* Ensure the repositories all still exist in the Server instance.
* Ensure all the repositories are within the Bitbucket Cloud repository size limit.
* Ensure all the repositories contain valid information, such as duplicates or character limits on names and slugs or formatting issues.

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#### Actions you can take.

* **Review migration** - select if you are ready to migrate, knowing that there may be some warning-level errors that still exist but are not blocking your migration.
* **Save** - you can save your migration and come back to it later, maybe after you have taken the time to fix any blockers, or you just have more time to complete the actual migration.
* **Refresh all** - after removing blockers or fixing errors, you can ‘refresh’ the page to check for any outstanding or remaining errors before continuing to review your migration.

#### **2.6 Run your migration.**

* + - If everything looks correct and you have alleviated any errors blocking your current migration, select **Run** to begin running your migration. As stated in the migration assistant, depending on the size of your repositories and any related data as well as your upload speed, migration could take anywhere from minutes to hours.

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**Success**

Once your migration has completed successfully, select **Go to cloud workspace** to access your Bitbucket Cloud workspace containing your migrated data.

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**Success with errors**

Your migration can be completed and still return some errors. Select **Go to cloud workspace** to check your cloud workspace and see what was migrated successfully. From this point, you can either start a new migration or download a ZIP file of your current instance in Server and contact our support team.

**Failed migration**

If your migration fails, either create a new migration that avoids the errors, or create a ZIP file of your Server instance and contact our support team.

**Once Done with the migration browse to the cloud site Bitbucket and you can be able to see the migrated projects, users& Repositories**

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1. **Migrating Jira Datacenter to Cloud:**
   1. **Install the Jira Cloud Migration Assistant app.**
      * In Jira Server or Data Center go to **Settings** > **Manage apps**.
      * Choose **Find new apps**and search for **Jira Cloud Migration Assistant.**
      * Choose **Install** and you're all set.

To find the migration assistant:

1. Go to **Settings** > **System**.
2. In the left panel, locate the **Import and Export** category, and select **Migrate to cloud**. The **Migration Assistant home** screen appears.

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There are four steps to create your migration path:

1. Assess your apps.
2. Prepare your apps.
3. Review all email domains.
4. Migrate your data.

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## **Assess your apps.**

**Note about apps in Stage 1 and Stage 2**

On the Assess your apps screen, apps with an Automated path can be listed with a Stage 1 or Stage 2 label.

Stage 1: Apps in this stage have an unknown or demonstrated low migration success rates. If you choose to migrate Stage 1 apps and the app data migration fails, you will need to contact the respective Marketplace Partner (app vendor) for support.

Stage 2: Apps in this stage have demonstrated high migration success rates.

As you assess your apps, it is important to read our docs to understand the stages of apps with automated migration paths.

If you have critical data managed by apps on your server, be sure to check with the Marketplace Partner (app vendor) about the best process to migrate that data.

**To begin assessing your apps:**

* + - On the **Migration Assistant home** screen, select **Assess your apps**.

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* + - When you have finished assessing your apps, select **Done**. This takes you back to the **Migration Assistant home** screen where you can choose to prepare your apps as the next step.

**2. Prepare Your Apps**

There are 3 main tasks you’ll perform at this stage:

* Connect to your cloud site.
* Install your apps.
* Agree to app migration.

On the **Migration Assistant home** screen, select **Prepare your apps**.  
This takes you to the **Connect to cloud** screen.

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## **3.Migrate your data**

The key steps to set up and run your migration from Server to Cloud are:

* Connect to your cloud site.
* Select a migration option.
* Run pre-migration checks.
* Review your migration.
* Migrate

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### **3.1. Connect to your cloud site.**

1. Enter a name for your migration.
2. Choose the Cloud site you would like to migrate to.
3. To continue, select **Choose migration options**.  
   This takes you to the **Migration options** screen.

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## **Choose what to migrate.**

On the **Migration options** screen, when you select **Choose what to migrate**, this takes you to the **Choose your migration options** screen.

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* 1. Pre-migration Checks

In this step, the Jira Cloud Migration Assistant will review your migration and check if there are any errors or warnings. All checks are listed as part of the following groups:

* System
* Users and groups
* Customers
* Projects
* Advanced Roadmaps plans, and
* [Apps](https://support.atlassian.com/migration/docs/app-pre-migration-checks/)

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Check for errors.

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### **3.4 Review your migration.**

This is the final step in setting up your migration.

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### **3.5 Manage and run your migrations.**

Your saved migration will be listed on the migration dashboard, where you can **View details** or **run** it. You can also check the status of a migration, monitor the progress, or create a new one.

You can create as many migrations as you need. At this time, migrations can't be edited or deleted, so if you create a migration that can't be used, just create a new one.

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**Once Done browse Jira into cloud site you can see all migrated users, apps & data**

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