

Migration to GitHub Enterprise (GitHub Enterprise Cloud to GitHub Enterprise Cloud EMU, Bitbucket Server to GitHub Cloud, GitLab to GitHub Cloud)

Overview

Ensure your GitHub Enterprise Cloud data is migrated to your GitHub Enterprise Cloud plus Enterprise Managed Users (EMU) platform account completely, accurately, and efficiently, with guidance and best practice expertise from either Github expert services, GitHub Partners or Opsera solution engineers.

Opsera's SCM Migration Utility delivers one-click migration and zero-touch migration, and also offers white glove support on the migration strategy moving to GitHub.

Target Audience

VCS admins, GitHub Enterprise admins, DevOps engineers

Key Features and Benefits

- The Standard Migration scopes supported for this engagement are VCS sources listed below:
 - GitHub (pre-existing versions of supported GitHub instances)
 - GitLab
 - Bitbucket
 - SVN
- **Seamless and automated migration process:** Opsera provides a seamless and automated migration process, so that customers can migrate their repositories and adapt to GitHub CoPilot and GitHub Actions without any disruption to their development workflow.
- **Support for all features of Bitbucket and GitHub:** Opsera supports all of the features of Bitbucket and GitHub, so that customers can be sure that their migration will be successful.
- **Expert support:** Opsera provides expert support and strategy to help customers with their migration and adoption of GitHub CoPilot and GitHub Actions.

Schedule of Work

Platform

To be delivered entirely as a secure platform to scale based on the enterprise's needs. Customers are expected to provide appropriate user access as required.

Engagement summary

In this engagement, the Opsera platform will provide an end-to-end solution with a one-click utility for migrating your GitHub Enterprise Cloud sources to the GitHub Enterprise Cloud + EMU target or Bitbucket to GitHub Enterprise Cloud + EMU or Gitlab to GitHub Enterprise Cloud + EMU.

This includes:

- Set up the dedicated data plane (tenancy) within Opsera SaaS platform
- Onboard users to Opsera via SSO
- Set up Source and Target Source code repos (available via GitHub Apps)
- Run a migration analysis report for the complex repos
- Run as many as dry runs before the production migration as needed
- Add pre and post-migration scripts to update the existing pipelines like Jenkins, Bamboo, etc. after the repo migration
- Outline migration process and steps that customers would follow pre and post-migration engagement
- 10 hours of post-engagement support on tooling and migration questions via Opsera SCM migration utility.
- Support provided for 30 days post-engagement only. Issues will be addressed on a first come, first served basis.

Opsera also helps customers to migrate repositories from GitLab/ Bitbucket to GitHub by providing a seamless and automated migration process.

- **Code migration:** Opsera will automatically migrate all of the customer's code from Bitbucket to GitHub, including all of the branches, tags, and commit history.
- **Issue migration:** Opsera will also automatically migrate all of the customer's issues from Bitbucket to GitHub.
- **Webhook migration:** Opsera will migrate all of the customer's webhooks from Bitbucket to GitHub.
- **Pull request migration:** Opsera will also migrate all of the customer's pull requests from Bitbucket to Github.
- **User migration:** Opsera will migrate all of the customer's users from Bitbucket to GitHub.
- **Automatic LFS Migration** between source and destination
- **Delta sync** on commits during migration time to avoid sync issues
- **Reporting:** Detailed Report from the migration on the objects migrated

- **Pre and Post-Migration:** Run pre and post-migration scripts for user updates, pipeline updates with new GitHub URL's for 3rd party pipelines

Business Outcomes

After this engagement, your team will be able to:

- Create a migration strategy 25X faster than other options
- Prepare repositories for Git including pre and post-migration
- Complete migration dry runs and repo analysis
- Support production migrations

Prerequisites

Ensure every employee has a GitHub Enterprise Cloud EMU account

- A mapping of legacy GitHub Enterprise Cloud accounts to GitHub Enterprise Cloud EMU account
- Maximum repository size limit not greater than 10GB
- Enable ECI flag for the migrating organization and for the admin user