

Bitbucket Data Center

Bitbucket Data Center is an enterprise grade code repository management system. It provides all the functionality of [Bitbucket Server](#), but with additional enterprise functionality, such as smart mirroring, active-active clustering, zero-downtime backup, and SAML 2.0 support.



Features and benefits of Bitbucket Data Center

Bitbucket Data Center provides the following enterprise features:

Smart Mirroring: for geographically spread-out development teams, smart mirroring provides vastly greater Git clone speeds. Instead of having to clone large code sets over slow internet connections, cloning can be performed over a fast local network from a local mirror.

Active-active Clustering: Bitbucket Data Center supports multiple application servers working in a cluster (all application servers work at once, hence it is active-active). This provides greater resilience: the outage of an application server does not bring down the whole system.

Scalability: The ability to have multiple application servers allows you to scale the system to any realistic number of users without loss of performance. Scaling can also be made dynamic using infrastructure as code techniques so that servers are automatically spun up when required or shut down when not in use, and the system only uses resources when it needs them. Dynamic scaling can be implemented in an organisation's data centre or on Amazon Web Services and Azure.

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Zero Downtime Backup: this allows the Bitbucket instance to be backed up without having to lock it for maintenance. This means that teams spread across different time zones can keep working without interruption.

SAML 2.0 support: Bitbucket Data Center supports SAML 2.0 authentication. With this feature you can implement single sign-on (SSO) using Microsoft Active Directory and other identity providers such as Bitium, Okta, OneLogin and PingIdentity.

Integrations: Bitbucket Data Center is fully compatible with [Jira](#), [Bamboo](#), [Jira Service Desk](#), Confluence and every other element of Atlassian's software suite.

Custom Apps: If the integration you need isn't available, open APIs mean you can create them yourself. Bitbucket Data Center also benefits from a large marketplace of Apps, which can augment the standard user experience. Here are a few of these Apps:

- **Webhook to Jenkins:** If you're merging or committing source code, this App allows you to inform Jenkins immediately and seamlessly.

- **Notifyr:** Configure this App to send email notifications every time you make a change to any repository, project, or branch – ensuring everyone is up to date at all times.
- **SVN Mirror:** Instantly mirror any subversion projects within your Git repository.
- **Awesome Graphs:** Give statistical analysis a little flair with easy visualisations of repositories and projects – and track the performance and evolution of these projects over time.

This is only a small selection of the number of Apps available – and Atlassian’s Marketplace will add even more over time.

Why Automation Consultants?

Automation Consultants provides expert consultancy for the [Atlassian Data Center](#) suite and its various options for deployment. Combining years of experience with specialist knowledge, we’re well equipped to manage any implementation or installation you may require, and can offer migration services if you need to transfer any instances to Data Center.

We are an Atlassian Enterprise Partner with experience across the software lifecycle, and are highly knowledgeable of the complicated, unforeseeable IT issues that can arise within larger organisations. As an Atlassian Platinum Solution Partner, we have a wealth of expertise and can assist with any deployments or customised integrations you may require.

To discuss Bitbucket Data Center, Jira Software Data Center, Jira Service Desk Data Center, or Confluence Data Center, with one of our specialists, contact us today.