Choose your migration adventure

Atlassian Data Center edition

G'day and welcome to "Choose your migration adventure: Data Center edition". We here at Atlassian will be your migration tour guides.

Data Center offers a variety of deployment options so you can choose what your server to Data Center move looks like. Each of these migration options has their own advantages that can help you meet your organization's unique needs.

Let's take a look at your choices.

Choose a deployment architecture

Non-clustered

In a non-clustered architecture, your products communicate directly with your database. This is how your current server infrastructure is set-up.

Clustered

In a clustered architecture, you add some additional infrastructure components, such as a load balancer, shared file system, and application nodes. This allows your user traffic to be distributed to the different nodes in your cluster to reduce any downtime and to optimize your products' performance.

Pick your hosting method

Your own hardware

Data Center can be deployed on your own hardware. So, if you're happy with your existing server set-up, you can use it to host your Data Center products.

Cloud provider

Running in a self-managed environment doesn't mean that you can't take advantage of cloud computing. Data Center can be hosted on a cloud provider, such as AWS or Azure. Hosting on a cloud provider enables you maintain control of your data while still getting all the value of a cloud environment.

Super simple and no downtime needed

DEPLOYMENT

Non-clustered architecture hosted on your own hardware RECOMMENDED

Data Center in a non-clustered architecture is the easiest and recommended migration option.

The great thing about this migration option is that you only need to enter a Data Center license key into your server instance and you immediately unlock Data Center capabilities that don't require high-availability. No one in your organization experiences any downtime in the process and your IT team doesn't need to plan an end-to-end migration.

Migrating to Data Center in a non-clustered architecture also enables you to spend more time planning for your organization's potential growth, which means you can build out a clustered architecture to support high-availability if and when you're ready.

BENEFITS

- Leverage your existing infrastructure, so less cost considerations
- No downtime during your migration
- Migrate to Data Center in less than 2 minutes
- Unlock Data Center out-of-the-box enterprise capabilities

Always have access to your products when needed

DEPLOYMENT

Clustered architecture hosted on your own hardware

While deploying Data Center in a clustered architecture may add some complexity to your migration, it's the right option for some organizations who are looking to take advantage of high-availability right away. If you're experiencing changes in your product's performance due to increased user traffic, supporting globally distributed teams, or your organization just can't afford any downtime, migrating to Data Center in a clustered architecture is the way to go and you can use your existing hardware to do it.

In a clustered architecture, rather than your product communicating directly with your server, you'll add additional components that will distribute your user traffic to the available nodes in your cluster. That means that if one of the nodes in your cluster goes down, your traffic will be distributed to another node while your IT team sorts out the problem. This clustered architecture also ensures that your teams always have the best performance possible with their mission-critical products because there aren't any infrastructure limitations.

BENEFITS

- Unlock out-of-the-box capabilities and features that require high-availability, such as rolling upgrades
- Never experience any downtime
- Performance gains

All the value of the cloud but you're still in control

DEPLOYMENT

Cluster-ready architecture hosted on AWS or Azure

For many organizations, migrating to Data Center is an opportunity to switch from hosting your products on your own hardware to hosting them on a cloud provider, such as Amazon Web Services (AWS) or Microsoft Azure. By migrating to Data Center on infrastructure as a service (IaaS), you can continue to maintain control of your data while also reaping the benefits of cloud computing.

To help you migrate to Data Center on IaaS, we've created our AWS and Azure Quick Start templates. Each of these templates deploys a secure cluster-ready instance of your product that is ready for production. Built with pre-configured parameters, you can deploy Data Center optimally. However, because they're highly customizable, you can easily change any of the parameters to fit your needs.

BENEFITS

- Unlock out-of-the-box capabilities and features that require high-availability, such as rolling upgrades
- Extend the functionality of your Data Center products by leveraging cloud features, such as Amazon CloudFront and CloudWatch
- Scale your instance vertically and horizontally to meet your team's needs without adding to your physical infrastructure

Brilliant!

You've made it through our migration tour.
Ready to start on your own migration adventure?

Check out our self-guided migrations guides to get started.