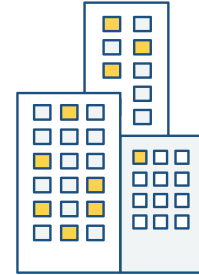
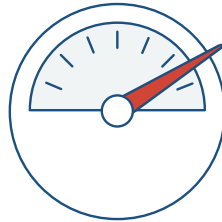


# Availability and performance

The Data Center deployment option is designed for high availability and performance at scale when hosting our applications in your own data center.



## High availability

### Active-active clustering

Cluster multiple active servers to ensure users have uninterrupted access to your Atlassian business critical applications in the event of unexpected hardware failure.

### Distributed load

Use any form of load-balancing technology – hardware or software – to intelligently distribute load across your Data Center cluster.

### Redundancy

Data Center platforms integrate with industry standard technologies for database clustering and shared files systems to minimize single points of failure.

## Performance at scale

### Increase concurrent user capacity

Each node in your Data Center cluster increases capacity for concurrent users without sacrificing performance.

### Application resilience

Increase application throughput to avoid performance degradation in the event of load spikes.

### Guarantee quality of service

Dedicate nodes for automated tasks – like reporting or integrations – to ensure the highest possible quality of service for critical teams within your organization.

## Instant scalability

### Hassle-free deployment

New nodes can join the cluster without downtime. Existing nodes automatically synchronize indexes and plugins with each new member.

### Rapid re-indexing

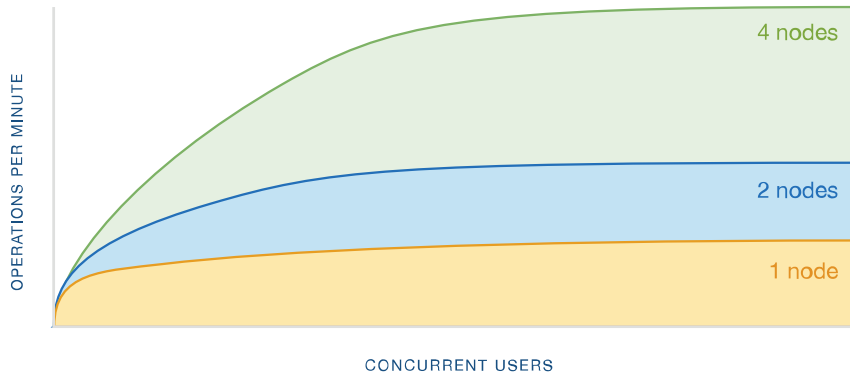
Quickly re-index your application without locking the system, ensuring your users have maximum uptime.

### Predictable costs

Our Data Centers are licensed by user-count, not by the number of servers or CPUs, so you can scale your environment without additional license costs.

**\$24,000/yr per 1,000 users**

Increase concurrent user capacity



### Performance at capacity

During Atlassian Performance Lab testing, we discovered that a two node JIRA Data Center cluster was able to support twice the concurrent users as a single JIRA Server with the same response time.

### Related services

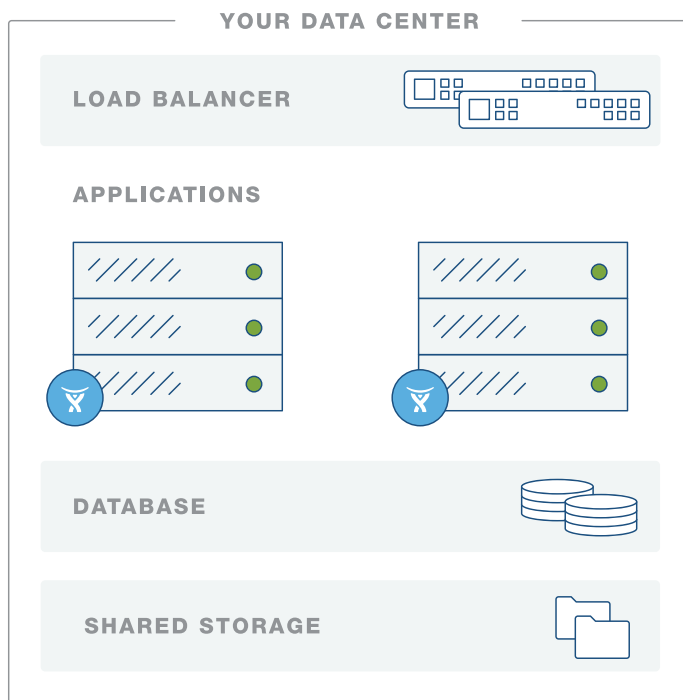
**Technical Account Management** are your trusted advisor and single point of contact helping you get the most from your Atlassian investment.

**Premier Support** is an extension of Atlassian’s standard support and provides access to a dedicated team of senior support engineers.

**Enterprise Partners** help customers with hands-on implementation of Atlassian solutions.

### Instant failover

Should an outage occur on one of the nodes, users are redirected to another node in the cluster on their next request.



### Clusters

Clusters are comprised of servers that share the workload from incoming requests. Each node is a complete JIRA or Confluence instance with its own index; indexes are replicated on all other active nodes in the cluster.

### Databases

JIRA Data Center supports the same databases as JIRA Server. Review this guide for more information on supported platforms.

### Shared file systems

JIRA Data Center supports the same databases as JIRA Server. Review this guide for more information on supported platforms.