Ensuring Scalability for Mission-Critical Atlassian Apps (Blog)

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Ahh, success. Your agency has been growing for several years now: expanding services and getting greater productivity from a sometimes-stretched headcount. Doing more with less, teams are nonetheless excited and ambitious. Every part of the agency is scaling up, and it feels great.

However, it's no time to relax — with growth comes new challenges, and you're going to have to find new ways of doing things. It's an old story often told: the same legacy tools and workflows that got you the success you have today can hinder you if you don't adjust for growth. And as you scale, you have to modernize: particularly to ensure the performance and availability of mission-critical apps.

For example, let's look at a typical Atlassian deployment over time. A developer convinces their manager that to make the most of the team's agile environment, Jira is the way to go. Another team loves the results and sets up another instance. To help communicate between teams and with tech pubs and the public affairs group, they set up Confluence as a collaboration tool. As code volume skyrockets, engineering adds Bitbucket.

The size of your Atlassian deployment is adding up, and you may be headed toward supporting many hundreds, if not thousands, of developers and service desk personnel. You've done performance tuning and are thinking of consolidating deployments for easier management, but you're concerned about slowing things down. You may already be experiencing this with your larger deployments, particularly under high load and/or peak times. Every team's work is mission-critical, and ensuring continuity of operations is complex. You may have extensive backups and have spare capacity pre-installed and ready to go — but you still don't feel quite right about the downtime associated with the move. And there's concern about the production system having a single point of failure. You realize that "failing over" will not be simple and upgrades will continue to be challenging.

You're at a tipping point, where you have to change things up to manage applications at scale. There's a good chance you're ready for Atlassian Data Center, the enterprise-class deployment option designed to help Atlassian customers effectively scale their mission-critical Atlassian applications. Through active-active clustering, teams can work around the clock with uninterrupted access to the tools they need to get their jobs done. It's a setup that can help ensure your agency's success continue, particularly with transformation and modernization initiatives that need to proceed without obstacles or delays on a system that is optimized for scale.

Meeting Fast-Changing Mission Demands and Service Levels

True scalability means being able to expand services quickly and efficiently without interrupting work or causing delays. From a server point of view, multi-node architecture lets you add nodes to a cluster as needed — with minimal downtime or performance impact. And with a multi-node

architecture, you can scale with on-premises hardware or take advantage of elastic computing concepts in services like AWS GovCloud, or run on-premises.

Securely and Conveniently Ensuring Availability

Active-active clustering means you can withstand application failure without having to exercise any failover plans — your service stays up, ensuring the organization is always ready. Team members can work without having to wait on complex and often untested backups to restore operations. In addition to the high-availability gains from multi-node clustering, the solution also provides audit and security benefits: securely integrating with your identity provider through security assertion markup language (SAML) provides a single view of application authentication and authorization administration along with audit capabilities in the applications to satisfy your compliance requirements.

With Atlassian Data Center, your teams focus on the mission as tools and infrastructure scale around them, and admins get the controls they need to manage complex operations and meet compliance requirements.

Click here for the infographic!