



Jama Connect® Kubernetes-Native Deployment

Run Jama Connect in the Kubernetes environment your platform team already supports

Deploy Jama Connect as a Helm chart into your own Kubernetes environment, then install, configure, operate, and upgrade it with the tooling your platform team already runs.

If you already standardize on Kubernetes, this deployment model removes the cost and effort of running a separate, application-specific deployment model outside your platform standards. Platform teams use the Kubernetes tooling, governance, monitoring, security controls, and upgrade processes they already run, while engineering teams keep using Jama Connect as the governed system of record for requirements, traceability, reviews, verification, and validation.

Reduce Operational Cost and Complexity

Kubernetes-native deployment increases the return on your existing platform investment by running Jama Connect on the same infrastructure model you already use for critical applications.

Use existing Kubernetes expertise: Deploy Jama Connect with Helm and operate it with Kubernetes tooling your platform team already knows. It removes the need for application-specific deployment knowledge, custom runbooks, and separate support processes.

Standardize deployment and upgrade workflows: Install and upgrade Jama Connect with Helm. Kubernetes handles pod restarts, readiness checks, and traffic routing during the upgrade, reducing maintenance windows and manual coordination. An HA deployment model is available for teams with high availability requirements.

Fit existing platform and security review processes: Jama Connect deploys using standard Kubernetes resources, giving platform, security, and compliance teams deployment artifacts they can inspect through familiar governance processes.

Avoid duplicate infrastructure patterns: Run Jama Connect in your own EKS, AKS, GKE, OpenShift, or on-prem Kubernetes clusters instead of managing a separate infrastructure model outside enterprise standards.

Support controlled and air-gapped environments: For restricted environments, Jama Connect deploys from an offline Helm bundle with locally imported container images.

Key Capabilities

CAPABILITY	VALUE
Helm chart delivery	Uses a standard Kubernetes packaging model, reducing training burden and making installs and upgrades repeatable
Customer-owned Kubernetes cluster	Lets teams apply existing platform controls for access, monitoring, scaling, storage, and availability
Standard Kubernetes resources	Makes deployment details visible to platform and security teams using familiar Kubernetes objects
Helm-based upgrades	Removes manual upgrade steps and reduces maintenance windows; Kubernetes manages restarts, readiness, and routing
High-availability deployment	Supports an HA deployment model and horizontal scaling for teams with higher availability requirements
Dedicated namespace deployment	Keeps Jama Connect resources organized for access control, monitoring, policy management, and troubleshooting
Offline deployment support	Deploys where external repository or image access is restricted

Technical Snapshot

AREA	DETAIL
Deployment model	Kubernetes-native deployment into customer-owned cluster
Packaging	Helm chart
Configuration	values.yaml
Compatible deployment targets	EKS, AKS, GKE, OpenShift, and CNCF - conformant on-prem Kubernetes clusters
Minimum Kubernetes version	1.34
High availability	HA deployment model available for higher-availability requirements; horizontal scaling via shared database services
Core tools	Helm, kubectl, or customer equivalents
Kubernetes resources	Deployments, Services, Ingress, StatefulSets, Jobs, ServiceAccounts, ConfigMaps, Secrets, and Persistent Volume Claims
Customer prerequisites	Networking, DNS, ingress controller, storage classes, secrets management, monitoring/logging, RBAC/ security policies, and an external database
Installation target	Dedicated namespace
Upgrade model	Helm upgrade
Air-gapped support	Offline Helm bundle with locally imported container images

Security and Governance

Jama Connect Kubernetes-native deployment fits established enterprise platform governance practices. Because the deployment uses standard Kubernetes resources, teams can review configuration, access, networking, storage, and secrets management through their existing Kubernetes security processes.

Customer platform teams retain ownership of the cluster and core platform services, including ingress, TLS, storage classes, secrets management, monitoring, logging, and RBAC. This aligns Jama Connect deployment with your internal infrastructure, security, and compliance standards. Jama Software provides and supports the Helm chart, reference values.yaml, and the Jama Connect application. Customers own and operate the cluster and platform services; for cluster setup or configuration help, Jama Software can refer you to an installation partner.

Built for Governed Engineering Workflows

Jama Connect gives regulated product development teams a governed system of record for requirements, traceability, reviews, verification, and validation. Kubernetes-native deployment extends that fit to the infrastructure layer by running Jama Connect within the same platform standards you use for other critical systems.

To learn more about Kubernetes-native deployment for Jama Connect, contact Jama Software or visit [jamasoftware.com](https://www.jamasoftware.com).

ABOUT JAMA SOFTWARE

Jama Software is focused on accelerating product velocity with AI-driven development across multidisciplinary engineering organizations. Using Jama Connect, engineering organizations can now adopt AI-driven development while intelligently managing the complexity and compliance of parallel development, automated pipelines, and industry standards. Our rapidly growing customer base spans aerospace & defense, automotive, medtech & life sciences, semiconductor, industrial manufacturing, consumer electronics, infrastructure, robotics, and energy. For more information about Jama Connect services, please visit www.jamasoftware.com.