

Realize your vision

SAMSUNG SDS Cloud



DevOps Tools

GitLab
Jenkins
SonarQube
Nexus
DevOps Console
MAXIGENT
KHAN
Jennifer

SAMSUNG SDS

DevOps Tools

GitLab

Distributed source code configuration management tool for development collaboration

GitLab is an open-source configuration management tool that provides a remote repository for Git, a distributed version control system. GitLab's features such as version control and issue-tracking improve efficiency in building and deployment and increase development productivity.

Efficient source management

GitLab provides a variety of source code management capabilities for the DevOps lifecycle including phases from project planning to monitoring. You can improve your productivity through GitLab features such as Group Milestones for efficient collaboration and Issue Tracker that helps reduce manual work.

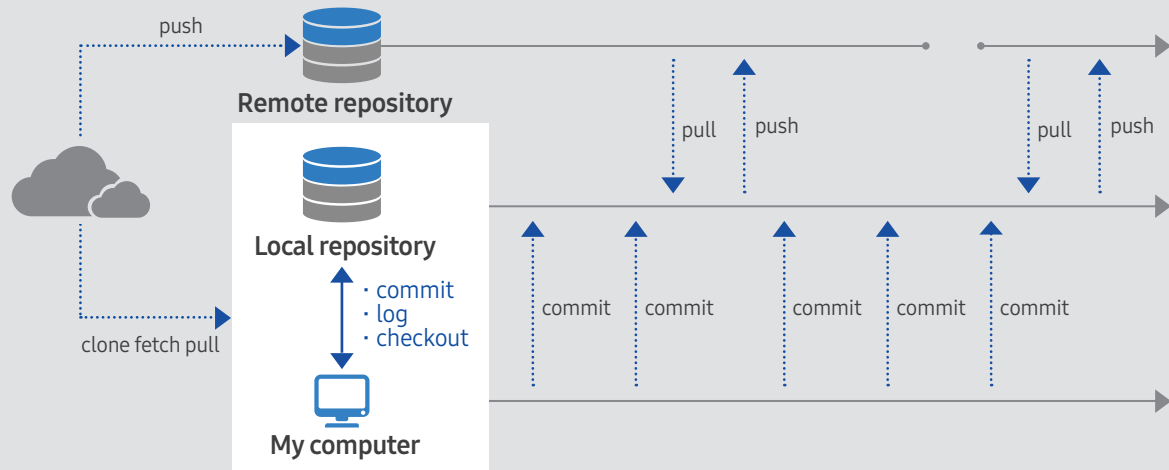
Distributed repository for continuous version control

Unlike centralized repositories, GitLab enables quick data recovery from a local storage in case of connectivity loss with a remote repository or any server failure. Also, configuration management without affecting mainstream development and operation is possible and it is easy to delete or merge requests.

User convenience

It is easy to use GitLab features by using SDS Cloud portal. As a free open source development tool, GitLab has a plenty of use cases that first-time users can refer to.

GitLab Service Architecture



Offerings and Pricing

- GitLab is a free, open-source development software that only charges the user for infrastructure required for installing and using GitLab
- Please inquire us separately for the price of technical support home-visiting service

Related Other Products

DevOps Tools	Jenkins	Integrated management development tool for software development/deployment processes
	SonarQube	Source code quality management tool
	Nexus	Libraries and related file repository for application building
	DevOps Console	An orchestration tool to configure a DevOps environment

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DevOps Tools

Jenkins

Integrated management development tool for software development/deployment processes

Jenkins is an open source-based development tool for continuous integration of develop, build, release and deploy process. The Jenkins service enables collaborative development tasks in more efficient building and deployment environment.

Automated develop/deploy

Jenkins detects configuration changes from its connected configuration management tool and automatically executes build within a certain time frame. It delivers a problem identified in tests to the user and minimizes repetitive work by integrated build, which ultimately enhances productivity.

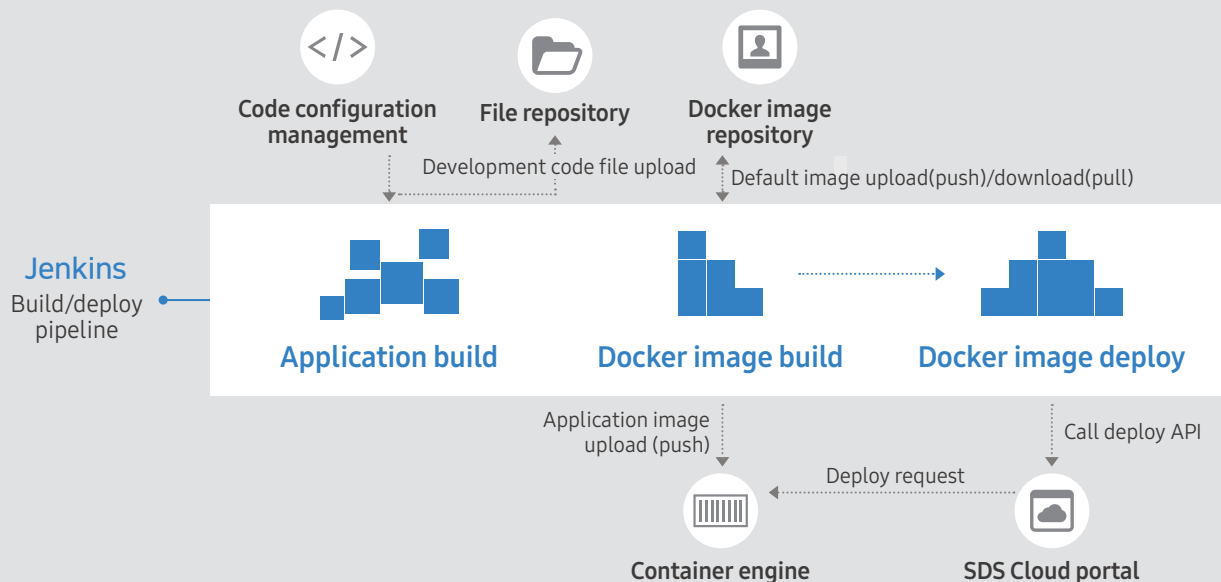
High compatibility with other dev tools

Jenkins is a plugin-based architecture, so it has high compatibility with other CI/CD development tools.

User convenience

It is easy to use Jenkins features by using SDS Cloud portal. As a free open source development tool, Jenkins has a plenty of use cases that first-time users can refer to.

Jenkins Service Architecture



Offerings and Pricing

- Jenkins is a free, open-source development software that only charges the user for infrastructure required for installing and using Jenkins
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DevOps Tools

SonarQube

Source code quality management tool

SonarQube is an open source development tool for continuous inspection of code quality. It provides quality metrics, identifies the code with errors and analyzes source code. Through SonarQube, customers can easily fix issues and problems in the code.

Improving quality through source code monitoring

SonarQube minimizes occurrence of any problem in the stage of deployment by monitoring quality gate status on a daily basis and prevents quality leaks by pre-setting leak period and quality thresholds.

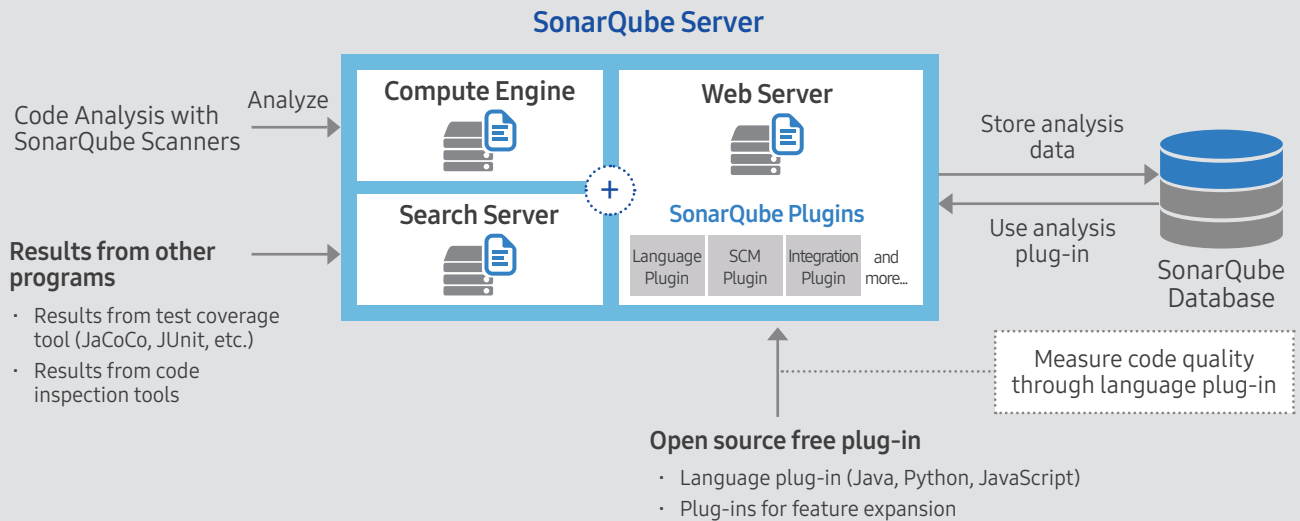
High compatibility with other dev tools

SonarQube is a plugin-based architecture, so it has high compatibility with other CI/CD development tools such as Jenkins.

User convenience

It is easy to use SonarQube features by using SDS Cloud portal. As a free open-source development tool, SonarQube has a plenty of use cases that first-time users can refer to.

SonarQube Service Architecture



How to Buy

- Any questions about using or applying for SonarQube, please contact us via email at cloud.sds@samsung.com

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DevOps Tools

Nexus

Libraries and related file repository for application building

Nexus is an open-source based repository that manages libraries and application packaging files (.war, .jar, etc.) needed for application building. Through SDS Cloud, you can use Nexus to store and manage files more efficiently.

Suitable for enterprise-class uses

Compared to other centralized repositories, Nexus repository offers faster building speed by serving as a cache for the main repository. With SDS Cloud Nexus, customers can create a private repository and get modules, so this service is appropriate for enterprise-class customers.

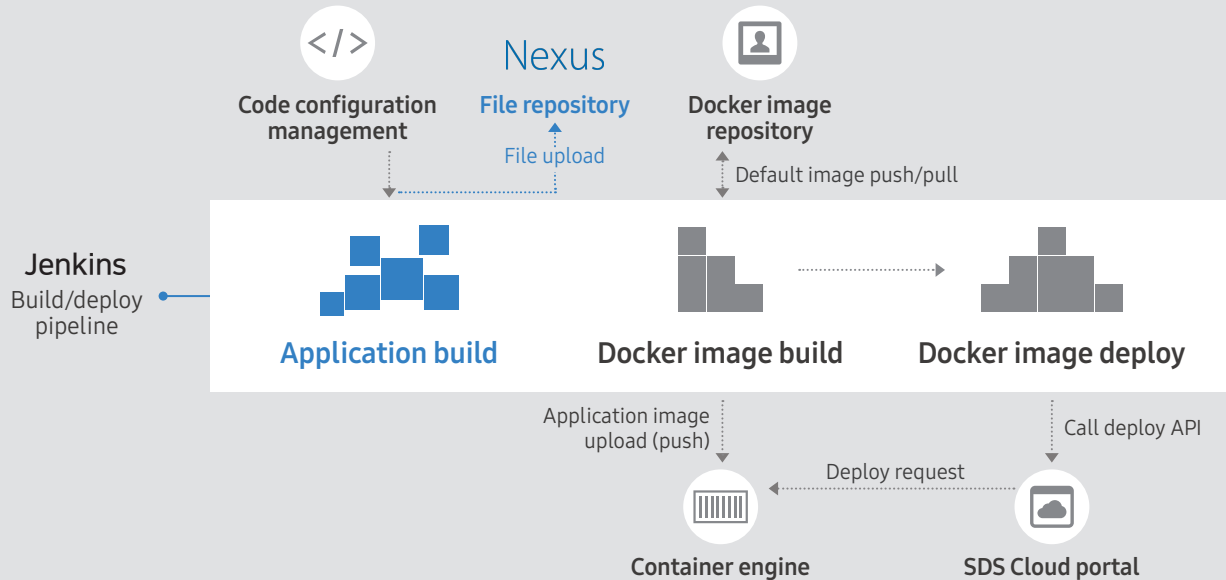
Supporting various open-source repositories

Key repositories Nexus supports include:
Maven Repositories with Apache Maven and Other Tools,
.NET Package Repositories with NuGet,
Node Packaged Modules and npm Registries,
Bower Repositories, PyPI Repositories, Yum Repositories,
Ruby, RubyGems and Gem Repositories, Raw Repositories,
Maven Sites and More Git LFS Repositories, Yum Repositories

User convenience

It is easy to use Nexus features by using SDS Cloud portal. As a free open-source development tool, Nexus has a plenty of use cases that first-time users can refer to.

Nexus Service Architecture



Offerings and Pricing

- Nexus is a free, open-source development software that only charges the user for infrastructure required for installing and using Nexus
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DevOps Tools

DevOps Console

An orchestration tool to configure a DevOps environment

DevOps Console is an orchestration tool that helps create a DevOps environment for the entire application lifecycle from development and build to operations. The DevOps Console makes it easy to configure the configuration management environment, CI/CD (Continuous Integration/Continuous Deployment) environment, and development environment. It also can constantly monitor code quality and configure Artifact repositories for use in projects.

Easy to configure CI/CD

DevOps Console automates repetitive build, test, and deployment processes to increase development productivity. One can easily configure CI/CD environment required for software development and operation such as, remote storage of source code, quality control, and configuration management.

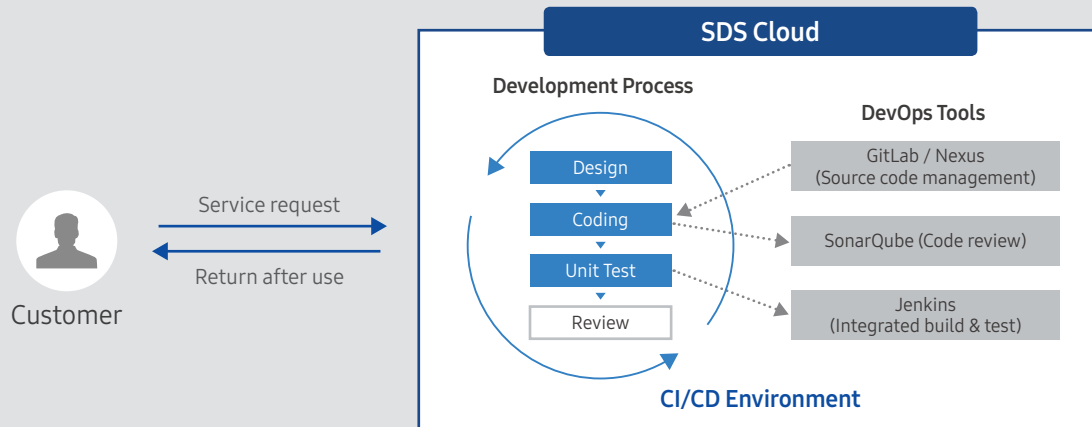
Development template

DevOps Console provides templates for developing applications including web applications and websites. These templates contain codes so that you can use programming languages such as Java, Node.js, and Python.

Easy deployment

DevOps Console offers summary information of container deployment. You can check deployment status and history and can easily re-run and re-deploy containers.

DevOps Console Service Architecture



How to Buy

- Any questions about using or applying for DevOps Console, please contact us via email at cloud.sds@samsung.com

Related Other Products

Compute	Container	Virtual server based on container technology
Middleware	JBoss EAP/WS	Open source-based, enterprise-class Java™ web application server
	WildFly	WildFly project-based Java™ web application server
	Tomcat	Web application server based on open source Servlet Container
DevOps Tools	GitLab	Distributed source code configuration management tool for development collaboration
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DevOps Tools

MAXIGENT™

Monitoring service for cloud resources and applications

MAXIGENT is a service that monitors the performance and anomalies of cloud resources applications. One can easily manage to predefined operational levels using standard monitoring templates, or define and monitor additional items as needed. Particularly, by providing integrated monitoring of SDS Cloud products such as compute, storage, and networking, one can easily manage the overall status of cloud resources to improve business efficiency.

Convenient monitoring

MAXIGENT automatically generates topology views of Virtual Server and Container to provide an intuitive easy-to-view UI. MAXIGENT's integrated dashboard allows you to see the status of all resources and its monitoring feature is convenient to use.

Real-time monitoring

MAXIGENT provides real-time monitoring of standard items and user-defined items on various resources to detect abnormalities and control failures. In the event of a failure, timeline-based event vs. performance views are provided for rapid cause analysis.

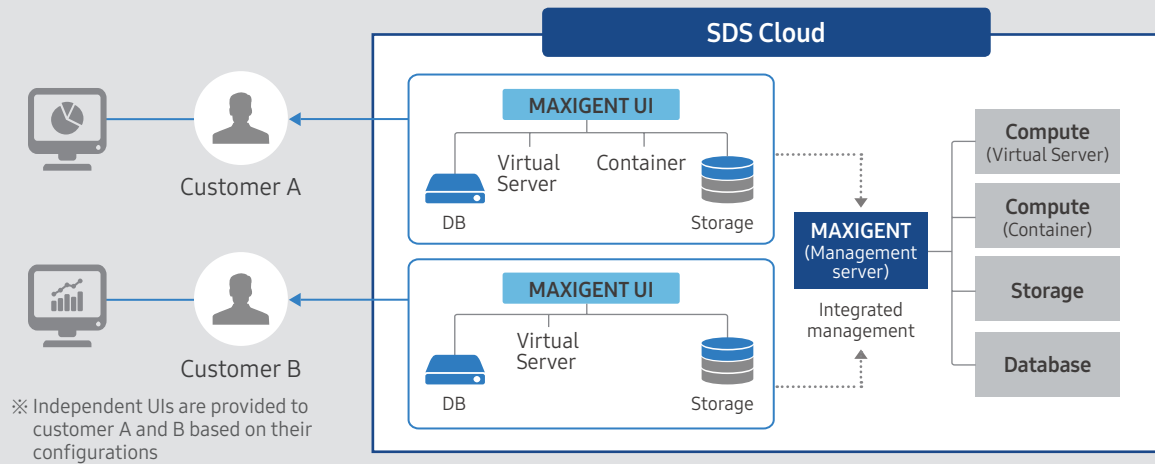
Optimized operation and management

Automated detection of expanded system, integrated agent management (deployment and upgrading of agents), and an integrated dashboard ensure service stability in cloud.

High efficiency

Network security services on top of a professional security system of SDS Cloud computing services. Expert diagnostics and recommendations are automatically reflected in the system settings, making it easier to use the service without any separate optimization settings.

MAXIGENT Service Architecture



How to Buy

- Any questions about using or applying for MAXIGENT, please contact us via email at cloud.sds@samsung.com

Related Other Products

Compute	Virtual Server	Virtual server optimized for various use purposes
	Container	Virtual server based on container technology
	Bare Metal Server	Single-tenant and high-performing physical server
	GPU Server	High performance computing server optimized for parallel processing
Storage	Block Storage	Storage assigned to the server
	File Storage	Storage for data sharing between servers
	Object Storage	Storage accessible anytime anywhere via web
	Backup	Backup service to minimize data loss
Database	EPAS	Enterprise-class relational database based on open source PostgreSQL
	MySQL	Small but strong open source relational database
Middleware	Apache	Apache project-based web server
	Tomcat	Web application server based on open source Servlet Container
	JEUS	Enterprise-class web application server
	Weblogic	Enterprise-class web application server

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DevOps Tools

KHAN

Monitoring service for web application performance

KHAN is a real-time web application monitoring service that maintains the best performance of web applications. KHAN periodically monitors WAS and web applications and provides alarms to enable quick response in the event of a failure. KHAN is provided along with WAS (JBoss EAP, WildFly, Tomcat, WebLogic, JEUS) based on SDS Cloud compute products.

Real-time integrated monitoring

KHAN performs real-time performance monitoring in a containerized environment, particularly during auto-scaling. Its active service monitoring allows real-time analysis of transactions and monitoring of OS resources and network system.

Performance analysis and failure management

KHAN performs analysis on response time of web applications, call/error statistics, JVM usage rate in various platform environments. It provides various analysis tools (Thread dump / Netstat dump / lsof dump) for efficient assessment management.

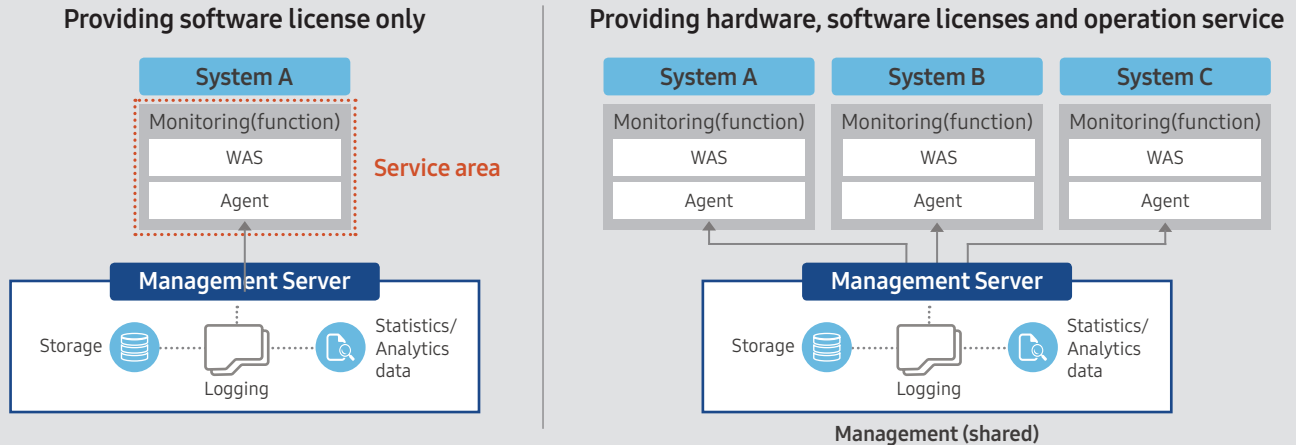
Optimized operation and management

KHAN monitors web servers and web application servers in a container and each container's CPU, memory usage, and image statistics.

High efficiency

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KHAN Service Architecture



Offerings and Pricing

- KHAN is available through option selection when requesting WAS, and monitoring agent is included
- There is a product that comes only with the agent software and an integrated product that comes bundled with a management server
- Price varies depending on the number of cores in the monitored WAS server
- Usage is restricted depending on a customer environment, so in order to use the service, please contact us

Related Other Products

Database	EPAS	Enterprise-class relational database based on open source PostgreSQL
	PostgreSQL	PostgreSQL relational database
	Microsoft SQL Server	Enterprise relational database
	MariaDB	Open source relational database with high compatibility with MySQL
Middleware	JBoss EAP/WS	Open source-based, enterprise-class Java™ web application server
	WildFly	WildFly project-based Java™ web application server
	Apache	Apache project-based web server
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DevOps Tools

Jennifer

Monitoring service for web application performance

Jennifer is a service that monitors all phases of performance and failure, from development to operation. Jennifer monitors systems on a variety of platforms (JAVA, .Net, PHP) in real time with minimal load. Jennifer is provided along with WAS (JBoss EAP, WildFly, Tomcat, WebLogic, JEUS) based on SDS Cloud compute products.

Real-time integrated monitoring

Jennifer offers rule-based dashboard and web service topology view to provide more precise and easier monitoring. Plus, intuitive active service monitoring enables real-time transaction analysis and supports variety of monitoring environments.

Performance analysis and failure identification

Jennifer provides per second data analysis such as transaction profiling, measure service response time, and application and SQL tuning data offering. It also provides rule-based event control in order to manage loads at a peak time and track unnecessary memory use.

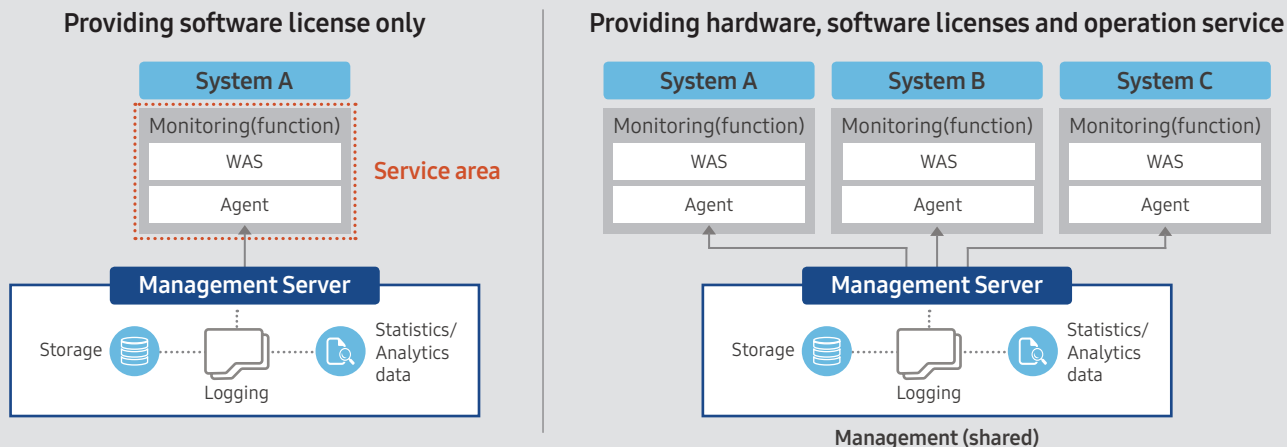
Optimized operation and management

Jennifer supports reliable services in the cloud environment through auto detection for extended systems, unified agent management (bulk deployment and upgrades), and integrated dashboards for large services.

High efficiency

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Jennifer Service Architecture



Offerings and Pricing

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