

# Web Application Server

PlayceWAS<sup>up</sup>

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Implement large transactions and session clustering at one time

## WHY Playce WAS<sup>UP</sup>

### Resolving Vendor Dependencies

- Reduce customer's IT costs by using open source software
- Enhance customer IT ownership by resolving vendor dependencies

Playce WASup is a middleware solution optimized for cloud environment by resolving vendor dependencies and enhancing Web/WAS functions.

### Open source Web/WAS Function Improvement

- Improved convenience through wizard and integrated management
- Enhanced session clustering stability
- Enhanced management suitable for large systems
- Enhanced monitoring and failover

### Optimized for Cloud Environment

- Resolve operational management challenges when adoption of cloud computing
- Provide operational scalability suitable for cloud environment

## Features & Benefits

### Groundbreaking IT Costs Reduction

- Reduce costs compared to existing commercial WAS
- Minimize expansion costs for customer's environment change
- License structure optimized for cloud environment

Playce WASup is fast and scalable, provides management functions capable of quick diagnosis and pre-respond to faults.

### Fast Diagnosis and Failover

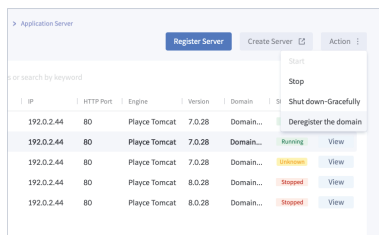
- Prevent failures with pre-diagnosis and respond to faults
- Fast respond with notify occurrence of failure in real time
- Track and analyze the cause of failure

### Easy and Differentiated Management

- Optimized for multi-server and cloud-based operation
- Integrated management and control for multiple servers
- Provide version control, installation and patch function of the entire system

## Main function

### Convenient Management Function based on Web UI

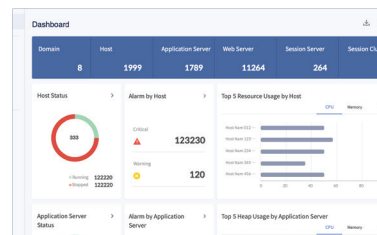


- Provide multi-server management and control
- Provide wizard function to configure web server and middleware simultaneously
- Possible view at-a-glance of servers and resources registered to domain through Topology View
- Provide switch function to Light/Dark Mode of browser

### Provisioning Function

- Possible automatic engine installation and environment configuration
- Easy to use complex functions such as datasource and thread configuration, and driver addition
- Support installation function and upgrade of Web/WAS/Session Server by version

### Real Time Monitoring Dashboard

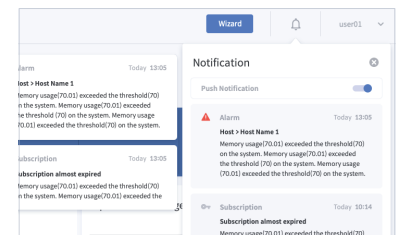


- Possible view to current alarms and monitoring key information through dashboard
- Real time server status (thread, heap memory, GC, etc.) monitoring
- Data collection and statistical information display about operating system status (CPU, memory, disk, network, etc.)

### Improve Performance through Session Clustering

- Support large session clustering function with the Playce Dolly product
- Resolve session memory shortage and GC problem
- Ensure server stability and high performance

### Pre-response and Tracking of Faults



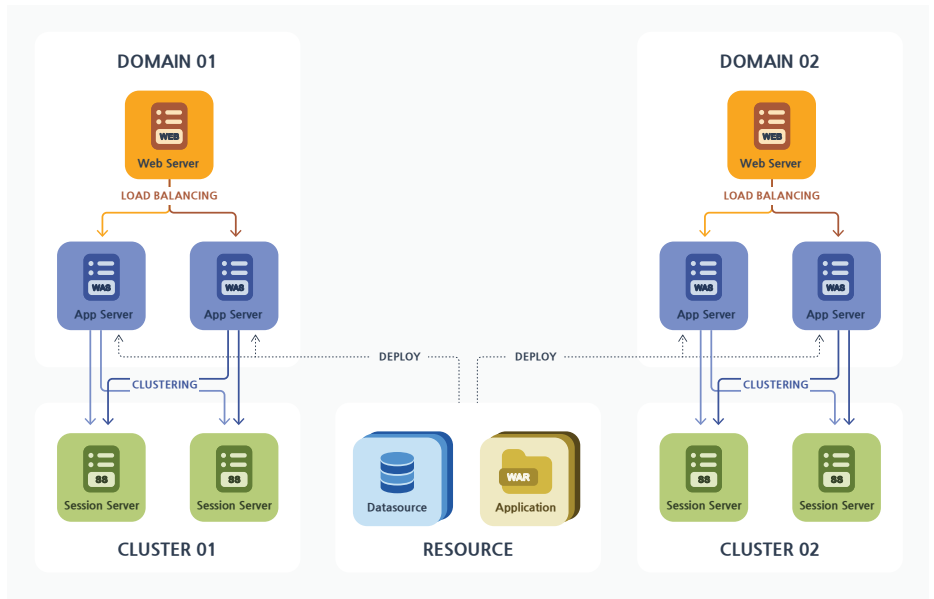
- Register disability rules optimized for system
- Access control using rules based on IP and domain
- Notify occurrence of failure in real time and track/analyze function
- Log management function for failure cause analysis

### Action History and User Role Management

- Support restoring function and history management for server installation and control
- User management function that can grant authority by role
- Provide version control and patch function of system

## Architecture

Provide the session clustering function to maintain the system consistency, and help to operate efficiently by minimizing operational fault.



## Standard Support Specification

Provide the main standard specifications of Java SE 6, 7, 8.

**Web Server**  
Apache 2.4 / Nginx 1.15

**HTTP**  
1.0 / 1.1 / 2.0

	WASup Application Server 7.0	WASup Application Server 8.5	WASup Application Server 9.0
Java SE	6.0+	7.0+	8.0+
Servlet	3	3.1	4
JSP	2.2	2.3	2.3
EL	2.2	3	3
WebSocket	1	1.1	1.1
JASPIC	N/A	1.1	1.1

### Supporting Operating Systems

- OS that can install Java Runtime Environment (JRE) 8 or higher such as Linux / Unix / Mac / Windows
- Some features, such as Web Server installation, work only on Red Hat Linux

## Case Study



### Hana Tour

“We have built a next-generation system using Playce WAS<sup>UP</sup> to manage the existing web server and WAS operated by Hana Tour. The overall resource management efficiency has improved through the central web console configuration which has been configured and managed by each system. Playce WAS<sup>UP</sup> is the best tool for creating an efficient open source based operating environment through web server/middleware control and monitoring.”



### Jungnang-gu Office

“By applying Playce WAS<sup>UP</sup> to Jungnang-gu office's smart city IoT integration platform, middleware, a key element inside the platform, has managed systematically. The data collected from sensors and devices are transferred to Jungnang-gu office IoT Server, and monitor in real time, has provided more stable services to Jungnang residents.”

PlayceWAS<sup>UP</sup>  
Learn more



## Open Source Consulting

We have developed the cloud solutions based on open source software and released it on General Public License. We are continuously developing and servicing open source, public/private cloud, data center automation and IoT related solutions.

In addition, as a platinum partner of Atlassian, we have lots of practical experiences in technical/application/system architecture consulting and developments with Atlassian solutions.

On top of these expertise, we can provide Atlassian based ALM and DevOps solutions, comprehensive methodology consulting services.

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### Open Source Consulting

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