Payara® Server Enterprise 5

The Payara® Platform - Production-Ready,
Cloud Native and Aggressively Compatible.

Datasheet

Your modern app development needs demand that you use the right Jakarta EE (Java EE) application server to develop and deploy applications that enable you to stay one step ahead of your competitors. Changing business demands require a flexible Java middleware platform that supports continuous development, reliability, and secure deployments of Jakarta EE (Java EE) applications in any environment: on premise, in the cloud or hybrid. Payara Server is aggressively compatible with the services you're already using, including broad integration with cloud vendors and out-of-the-box support for containers to reduce your infrastructure and maintenance costs of your existing applications.

Payara® Server: Robust. Reliable. Supported.

Payara Server Enterprise is a cloud-native middleware application platform supporting mission critical production systems with reliable and secure deployments of Jakarta EE applications. A stable platform with monthly releases, bug fixes, and a 10-year software lifecycle, Payara Server is developed in collaboration with an industry-leading DevOps team and the global Payara community to ensure Payara Server is the best option for production Jakarta EE applications today and for the future. *Key features of Payara Server include:*

- Cloud-native architecture
    - Support for Microsoft Azure™, Amazon AWS™, Google Cloud Platform™ and more
- Production-ready
    - Monitoring and diagnostics
    - Integrated Data Grid for easy clustering, high availability & scalability
- Innovative
    - Supports MicroProfile 4.0, enabling developers to write and implement microservices in Java using enterprise-grade constructs
    - Container-friendly, including Docker and Kubernetes
- Easy-to-use and easy-to-upgrade with an included Upgrade Tool
- Fully supported

Server Requirements

As a direct replacement for GlassFish Server Open Source Edition, Payara Server uses the same basic system requirements:

- JDK8u163 or above
- 512MB RAM

Support for Any Operating System Running One of the Following Java Virtual Machines

- Oracle JDK8 (u162+)
- Azul Zulu JDK8 (u162+)
- OpenJDK JDK8 (u162+)
- Oracle JDK 11 (11.0.4+)
- Azul Zulu JDK11 (11.0.4+)
- OpenJDK JDK11 (11.0.4+)

- Monthly releases, bug fixes and patches ensure security and stability
- Jakarta EE 8 Compatible
- Open source software
  - Derived from GlassFish™ Open Source Java EE Reference Implementation
  - No licensing fee

Features and Benefits

Using Payara Server gives developers the ability to deploy Jakarta EE applications on premise, in the cloud or in a hybrid environment to meet the demands of web-scale performance, get new applications to market quickly and ensure a secure and stable environment.

- Suitable for both traditional applications and microservices
- Cloud connectors including MQTT and Apache Kafka
- Caching & clustering
  - Domain Data Grid – easy-to-use, scalable, highly available, flexible and ideally suited for cloud environments
  - JCache Integration - scale out applications and manage high-speed access to frequently used data
- Payara Micro availability and integration
- Rest API & Monitoring available over a standard HTTP connection to enable integration of a wide range of monitoring tools
- Payara HealthCheck Service to automatically detect future problems for faster resolution
- Slow SQL Logger for improved database integration monitoring and rapid detection of poor database performance
- Upgrade Tool to make process of upgrading from one version of Payara Server Enterprise to the next faster and easier
- Integration with developer tools including NetBeans™, Eclipse ™ IDE, and Apache Maven™
- Drop-in replacement for GlassFish™ Open Source Edition

Related Products & Services

- Payara Micro - microservice and cloud environments
- Payara Accelerator Consultancy
- Payara Scales - high-density memory store and WAN replication

Included with a Payara Server Enterprise Subscription:

Choice of support:

- Migration & Project Support
- 24x7 – for mission critical environments
- 10x5 – business hours support

Ensures service level agreement (SLA) operation of your application server with:

- Unlimited tickets
- Customer Knowledge Base
- On-boarding support
- 10-year software lifecycle
- Fully supported production binaries
- Fully supported ecosystem components
- Access to Zulu Enterprise-fully-supported builds of OpenJDK

Admin Console Auditing Services

Admin Console Auditing Service keeps track of all actions that are executed (manually or through the asadmin CLI tool) so that you can later determine if any problem was linked to a certain command that was executed.
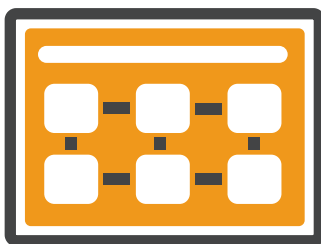
Certificate Management

Certificate Management asadmin commands in Payara Server Enterprise makes it easier and faster to install and update SSL certificates while preventing mistakes.

Deployment Group (Clustering)

Payara Server's Deployment Groups are an extremely flexible form of clustering as each instance can be part of one or more Deployment Groups. When a Deployment Group is restarted, a rolling restart of each instance is performed to ensure the information contained in the Domain Data Grid is kept.

Domain Data Grid

The Domain Data Grid makes it easy to create a cluster of Payara instances running your application and works right out-of-the-box in variety of network topologies with little to no configuration needed for Amazon AWS, Google Cloud, Microsoft Azure, Kubernetes, and LAN environments.

JMX Monitoring

JMX Monitoring in Payara Server allows you to gather information from MBeans and push it to external systems for processing and reporting without the need for external applications such as JConsole or VisualVM.

Payara InSight

The Payara InSight monitoring console provides a visual representation of all metrics collected by Payara Server Enterprise, including MicroProfile Metrics defined via annotations, making it possible to track application-level performance and status.

Download Complete Features Catalog

Client Experiences

Payara provided BMW Group with a smooth migration path from GlassFish to Payara Server and Java EE 7. Knowing that Payara Services offer a guarantee of 10 years of support for the Payara Server 4.x branch ensures a stable basis for BMW Group's applications.

-BMW Group

Payara Support was able to provide quick solutions to Swisscom, Switzerland's leading telecoms company. The problem-solving time for multiple projects was drastically reduced with no need for Swisscom engineers to further investigate for solutions.

-Swisscom

"The Payara Support Services has been useful to us mainly due to the monthly patches. As they contain bug and security fixes, we can be rest assured that we are using the safest possible version of Payara Server. In addition to that, the support engineers are knowledgeable, friendly and helpful."

-Josh Juneau
Application Developer & System Analyst

"I'm very satisfied with the speediness and quality of replies from the Payara's Support Team. The quality of support combined with good application server performance gave us the confidence to expand our Payara Server usage in the future.

-Jan Nilsson
IT Architect, Rekryteringsmyndigheten

Payara Server Resources

Try Payara Server. Experience the benefits of developing Jakarta EE (Java EE) applications in our cloud-native middleware application platform supporting mission critical production systems.A stable platform with monthly releases, bug fixes, and a 10-year software lifecycle, Payara Server is aggressively compatible with the ecosystem, cloud vendors, Docker, and Kubernetes.

Download: https://www.payara.fish/downloads

Just getting started with Payara? Watch a video tutorial, read technical overviews and resources to get the most out of Payara Server.

Learn more: http://info.payara.fish/getting-started

Get involved. Join the Payara Community and help feed the fish! Payara Server is, and always will be, open source and we want your ideas, feedback and collaboration for ensuring Payara Server is the best application platform for production Jakarta EE (Java EE) apps.

Learn more: https://www.payara.fish/community

Spread the Word. Already using Payara Platform? Want to help us spread the word about our open source software? Join the Reef Community Program so we can support your efforts.

Learn more: https://www.payara.fish/reef

About Payara Services, Ltd

Payara Services is a proud recipient of the most esteemed business award in the UK, the prestigious Queen's Award for Enterprise: International Trade 2021, personally approved by Her Majesty The Queen. Receiving the award is the equivalent of achieving 'Knighthood' for our business and demonstrates Payara's team effort for delivering value through trusted, supported enterprise software for Jakarta EE and MicroProfile applications.

Payara is a global open source company and a recognized leader in the creation of innovative infrastructure software for today and tomorrow. We are proud to nurture and grow an open and collaborative community that builds on the needs of all to advance our software and services while providing support, stability, and security.

Our engaged, global team operates with the freedom and support to develop industry-leading products and services that enable our users to create world-class solutions across a diverse range of industries.

We help shape the future of the industry through our direct contributions to Jakarta EE and MicroProfile® as Eclipse Foundation Solutions Members,members of the Project Management Committee, and members of the MicroProfile Working Group.

We love to share the Payara Platform with the world, and when our commitment to continuous development and support of the Open Source software is combined with contributions from our community, we can ensure the highest quality solution. Let's continue to learn, create, and shape the future of the industry together.

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sales@payara.fish   **+44 207 754 0481**   **www.payara.fish**