AISWare FlyingServer

AISWare FlyingServer ("FlyingServer"), the Web middleware, serves Web containers, EJB containers, and microservices containers.

Overview

Product Positioning

FlyingServer is a domestic autonomous and controllable WEB middleware supporting Jakarta EE 10 and applications such as WAR, EAR, and JAR in single-machine and cluster environments. It passes ICT innovation tests to be compatible to diversified products in the ecosystem.

Target Customers
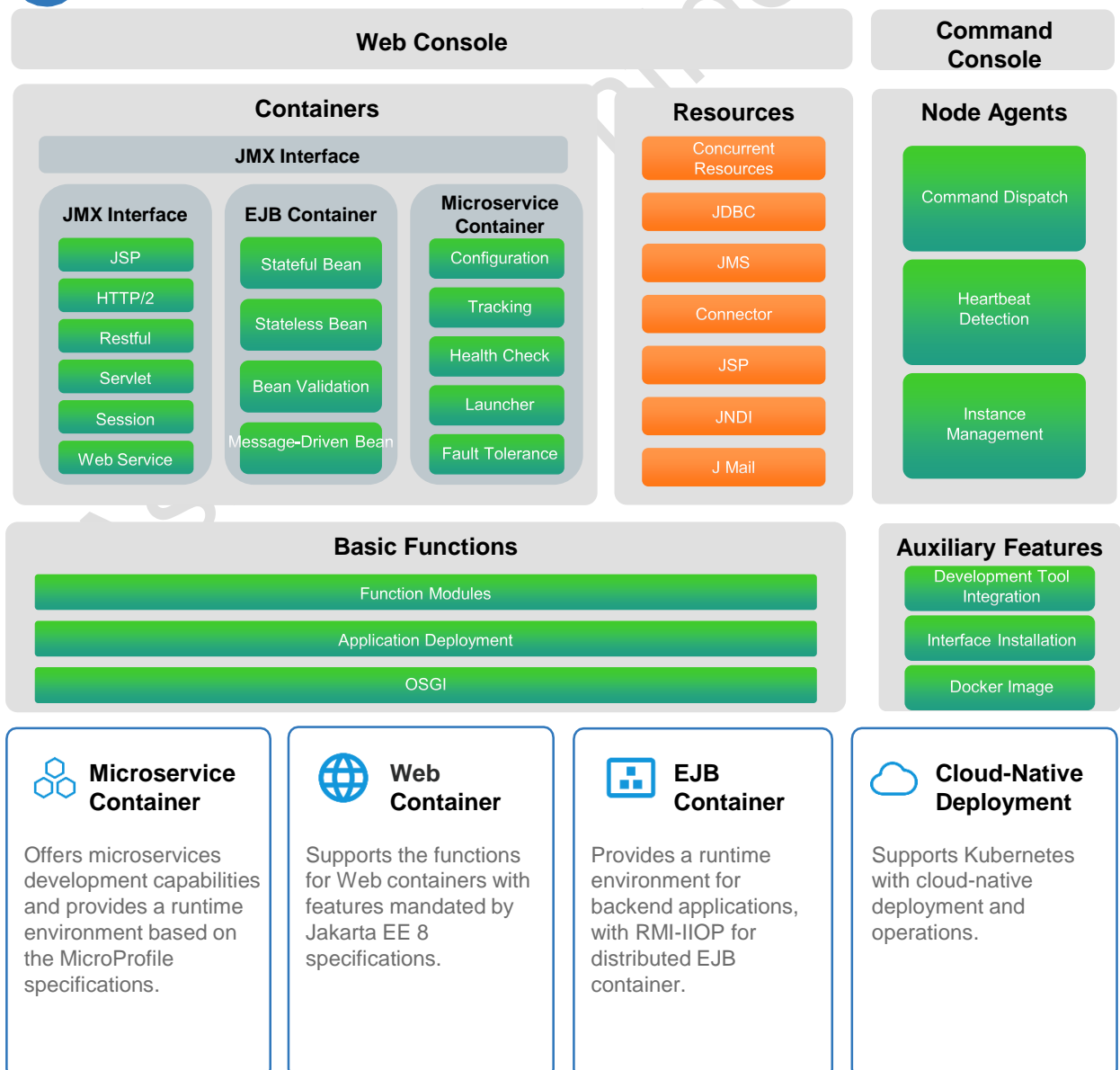
Telecom, finance, internet, industrial sectors...

Product Introduction

FlyingServer is a home-grown Web middleware for enterprises to support WAR, EAR, JAR, and microservices. It allows both standalone and cluster deployment environments to meet the needs of multi-sized applications and the demands from various industries.

Product Portfolio

Web Console

Command Console

Containers

JMX Interface

JMX Interface	EJB Container	Microservice Container
JSP	Stateful Bean	Configuration
HTTP/2	Stateless Bean	Tracking
Restful	Bean Validation	Health Check
Servlet	Message-Driven Bean	Launcher
Session		Fault Tolerance
Web Service		

Resources

- Concurrent Resources
- JDBC
- JMS
- Connector
- JSP
- JNDI
- J Mail

Node Agents

- Command Dispatch
- Heartbeat Detection
- Instance Management

Basic Functions

- Function Modules
- Application Deployment
- OSGI

Auxiliary Features

- Development Tool Integration
- Interface Installation
- Docker Image

Microservice Container

Offers microservices development capabilities and provides a runtime environment based on the MicroProfile specifications.

Web Container

Supports the functions for Web containers with features mandated by Jakarta EE 8 specifications.

EJB Container

Provides a runtime environment for backend applications, with RMI-IIOP for distributed EJB container.

Cloud-Native Deployment

Supports Kubernetes with cloud-native deployment and operations.

Unique Advantages

Cloud-Native
Meets the development needs of cloud-native microservices, keeping pace with the trend of cloud-native evolution.

ICT Friendly
Compatible with all home-grown CPUs, OSs, and databases.

High Security & Autonomy
Supports domestic encryption algorithms without high-risk vulnerabilities and license violation.

Portability
Enables zero-modification migration from international commercial versions to FlyingServer.

Telcom-Grade Reliability
Ensures stability for telcos.

High Performance
The 10K and 1M static text performance tests demonstrate superior performance over foreign commercial and open-source middleware solutions.

Application Scenarios

Lightweight Development and Deployment of Web Applications: Provide container services for Web applications with various optimizations such as request processing, monitoring, and configuration.

Distributed Development and Deployment of Enterprise-Level Application: Provide EJB container services for backend applications, encapsulate Beans, and enables distributed function deployment.

Enterprise-Level Microservice Development: Develops enterprise-grade microservices with FlyingServer and performs telemetry and governance in post-deployment.

Certificates & Awards

CPU		DB		OS	Servers		
Loongson	HYGON	Dameng	Shentong	Kylin	Kunpeng	Inspur	Suma
Zhaoxin	Sunway	GBASE	VASTDATA	Uniontech	Fangde OS	Sugon	PowerLeader

Use Cases

- **A provincial telco's autonomous control project**: Replace WebLogic with FlyingServer in the B-domain resource center of the middleware platform.

- **A provincial telco's fixed network terminal management project**: Replace Tomcat with FlyingServer.

- **Smart City**: Replaced Tomcat with FlyingServer as the Web container.