

Oracle Verrazzano Enterprise Container Platform

Oracle Verrazzano Enterprise Container Platform is a comprehensive, open source, integrated, easy to adopt solution that enables application modernization, improves developer productivity, simplifies the move to containers and Kubernetes, and flattens the learning curve when adopting cloud native architectures. With Oracle Verrazzano, you can manage your Kubernetes clusters and the applications running on them on-premises and across cloud environments, allowing you to realize cloud native benefits without vendor lock-in.

Software features

Oracle Verrazzano is a general-purpose container platform that you can use to deploy, secure, and manage container workloads, including microservices and traditional applications, as well as manage the underlying infrastructure for these workloads. Verrazzano is built from familiar open-source components that are integrated into an easy to adopt platform with an enterprise support lifecycle. **Prometheus, Grafana, OpenSearch, Fluentd, Istio, and Rancher** are among the included components.

Oracle Verrazzano provides:

- **Intelligent workload management** across Kubernetes clusters running in the cloud or on-premises with automatic provisioning of select operators, creation of Kubernetes objects, application modeling for advanced deployment scenarios, and extended features for Oracle WebLogic Server, Coherence, and Helidon workloads.
- **Automated, built-in observability** for system and application components, including metrics and log collection from all managed workloads.
- **Application lifecycle management** with optimized cross-cluster updates and DevOps and GitOps enablement.
- **Polyglot workload enablement** with built-in application handling for Java and non-Java applications.
- **Kubernetes infrastructure management** with deep visibility and management of underlying Kubernetes clusters.
- **Multilevel platform security** with protection for network traffic, system components, and application components.
- **Cross-cloud consistency** with a unified platform for container applications that you run in the cloud and on-premises using popular and familiar open source components, making it easy to adopt and work into your workflows.



Additional benefits

- **Comprehensive:** Oracle has combined the key capabilities you will need into a single suite of software.
- **Open source, standards-based:** Avoids creating technical or contractual restrictions by using open source, CNCF-certified components.
- **Runs everywhere:** Easily deploy, manage, and operate clusters and workloads spanning on-premises and multicloud environments.
- **Cost efficient, simple licensing:** All the tools and software you need to operate are packaged into two products that are designed to work together: Oracle Verrazzano Enterprise Container Platform and Oracle Linux operating environment.
- **Commercial support:** Oracle's highly regarded 24x7 worldwide support is available via subscription.

Included services

An Oracle Verrazzano Premier Support subscription includes support services for the entire Oracle Verrazzano Enterprise Container Platform, including support for the core platform, plus Oracle support for:

- Coherence Community Edition
- Helidon
- Micronaut
- Spring Boot

Benefits of Oracle Verrazzano Enterprise Container Platform

Improve application developer productivity and accelerate innovation

By adopting the design principles of DevOps and cloud native application development, you can decrease deployment times, increase application uptime, and spend more developer resources on solving business problems. Oracle Verrazzano takes this a step further with an assembled and automated technology stack that further reduces time needed to roll out and manage your applications on Day 1, Day 2, and Day 102.

Modernize existing applications

Oracle Verrazzano builds on the Oracle WebLogic Kubernetes Toolkit, which enables you to easily move your WebLogic application to containers and to Kubernetes. Oracle Verrazzano automates deployment of the WebLogic Kubernetes Operator, provisioning of the WebLogic domain, ingress configuration, and the collection of metrics and log records for the domain and application.

Realize cloud native benefits without lock-in

With Oracle Verrazzano's cloud-neutral approach, the *same* observability and lifecycle benefits can be achieved for container applications and cluster management, regardless of whether the applications are deployed on-premises, on Oracle Cloud Infrastructure, or on other public clouds.

Enterprise-class support

Oracle Verrazzano Enterprise Container Platform is based on 100% open-source software and is free to download and use. Support is available with an Oracle Verrazzano Premier Support subscription which provides 24x7 support, access to updates, fixes, and security patches, and access to My Oracle Support.

An Oracle Verrazzano Premier Support subscription includes Oracle support for:

- The core Verrazzano multicloud infrastructure and application management platform.
- Coherence Community Edition, which is an in-memory data grid. Coherence can be used for state management, as an in-memory cache, and in many other application performance-enhancement scenarios.
- Helidon, Micronaut, and Spring Boot Java frameworks that can be used to write new microservices.

This combination of the core Oracle Verrazzano platform with augmenting technologies gives developers maximum flexibility when developing new applications.

Extended value with Oracle Cloud Native Environment

Oracle Linux with the Oracle Cloud Native Environment, which includes a CNCF-certified Kubernetes module, container runtimes, storage, networking, and other related cluster technologies, is a prerequisite for Oracle Verrazzano Enterprise Container Platform. Oracle Verrazzano extends the value of Oracle Cloud Native Environment by providing enterprise-wide management of Kubernetes clusters and the containers and applications that run on them.

Prerequisites

Oracle Verrazzano Premier requires an [Oracle Linux Premier](#) subscription or entitlement.

Related products

Oracle Verrazzano is part of a collection of products from Oracle that enable application development, including:

- [Oracle Linux](#)
- [Oracle Cloud Native Environment](#)
- [Oracle WebLogic Server](#)
- [Coherence Community Edition](#)
- [Helidon](#)
- [GaalVM](#)
- [Oracle Cloud Infrastructure](#)

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