

A photograph of three people (two men and one woman) looking at a laptop screen. The man on the left is pointing at the screen. The woman in the middle is smiling. The man on the right is looking intently at the screen. The background is a blurred office setting with windows.

ORACLE®

APPLICATION CONTAINER
CLOUD

Polyglot Application Runtime Platform

Introduction



What's the best platform? Application Cloud.

Your environment is preinstalled and preconfigured using Oracle Linux and your choice of language runtime to maximize performance, scalability and reliability, all on an enterprise-grade cloud infrastructure.

The underlying infrastructure has the same secure and reliable core capabilities offered by Oracle Cloud Infrastructure as a Service. With capabilities like elastic scaling, storage, and integrated load balancing you can run your choice of workloads on the Oracle Application Container Cloud and easily scale environments up and scale out as your application needs grow.

Quick and Easy

Create a complete application environment in the cloud with just a few clicks of the mouse.

Answer a handful of basic questions and you're ready to deploy. Focus on your application and not on infrastructure details. Scale your application out and traffic is load balanced across instances automatically—with no additional configuration.

Self-Service & Choice

Use a self-service portal to provision your application and manage its lifecycle using **advanced cloud tooling**.

When provisioning a new application you can:

- Name the application with a meaningful name that will be used in the public URL of the service.
- Choose between popular language runtimes to match your application requirements.
- Specify the amount of RAM to allocate to each application instance.
- Select the number of instances of your application to run.
- Identify the Oracle Cloud Platform services your application needs to connect to.
- Decide if you want the service by the hour or by the month.

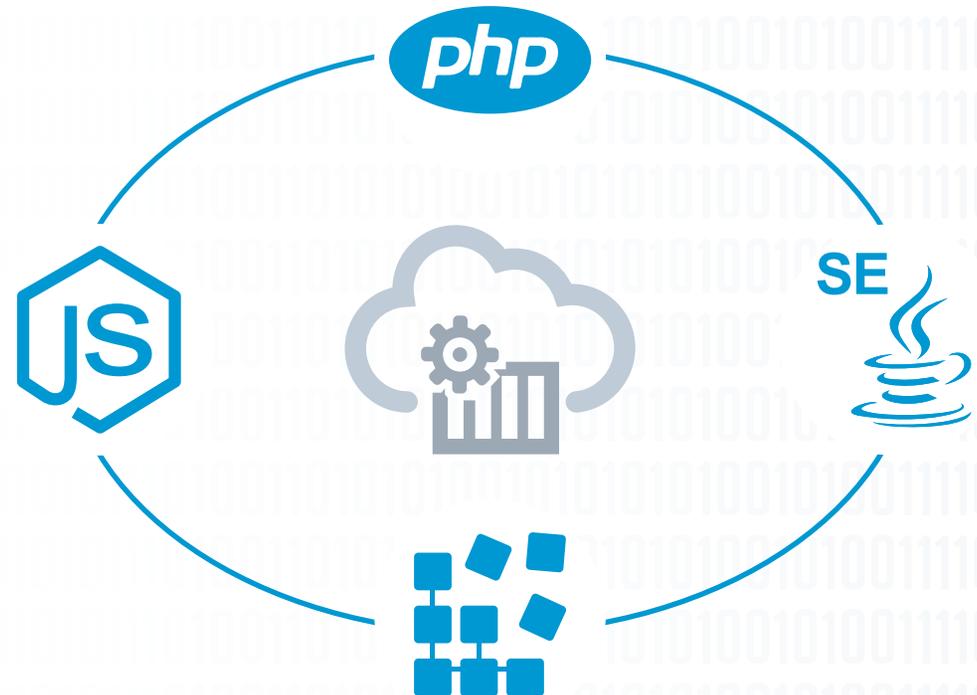
**As you manage your application you can:**

- Scale up or down by increasing or decreasing the amount of RAM.
- Scale in and out by specifying the number of application instances to run.
- Update the runtime environment configuration.
- Upgrade to the latest release of your chosen runtime with the click of a button.
- Start and stop your service when needed.

Caching Add-on

Now you can
take advantage
of cached data.

Your chosen runtime applications can greatly shorten the latency typically associate with database transfers of large data objects using Caching Add-on.



Full Caching Functionality

Everything you would expect in a full featured caching add-on: capacity based provisioning, automatic memory durability, elastic capability scaling, service instance and cache level metrics.

Java Client Library

A full Java API that provides flexible access to the cache transport layer, support for Java SE 8 Options pattern, and client-side CacheLoader feature that manages the lifecycle of cache objects automatically.

+REST API

A full REST API provides all applications with a simple way to cache objects and strings.

Add cached data capability to any application you deploy to Oracle Application Container Cloud!

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Open Platform



Get a standards-based platform for **easy deployment of new or existing applications.**

Already have an application deployed in an on-premises environment? Not a problem. Easily move your application to the Oracle Application Container Cloud. Simply zip up your application jars and resources and deploy.

Using third-party application containers, frameworks like log4J, Jetty, Spring, Express, or Laravel? Not an issue. You have complete control over what libraries and modules you deploy with your application—no restrictions.

Provisioning

Your Oracle Application Container Cloud applications **are provisioned** in an identity domain that corresponds to your Oracle Public Cloud Services account.

An identity domain controls authentication and authorization to your applications, so you don't have to worry about other users gaining access to your environment in the cloud.

The Linux containers that your application runs in are running Oracle Linux 6 (OEL6) and are highly available. The Oracle Application Container Cloud infrastructure contains built-in capabilities to automatically maintain the number of healthy application instances to what you specify.

HTTP traffic is automatically distributed across application instances by the built-in, highly available load balancer. As you scale in and out, instances are automatically registered with the load balancer—no additional configuration is required.



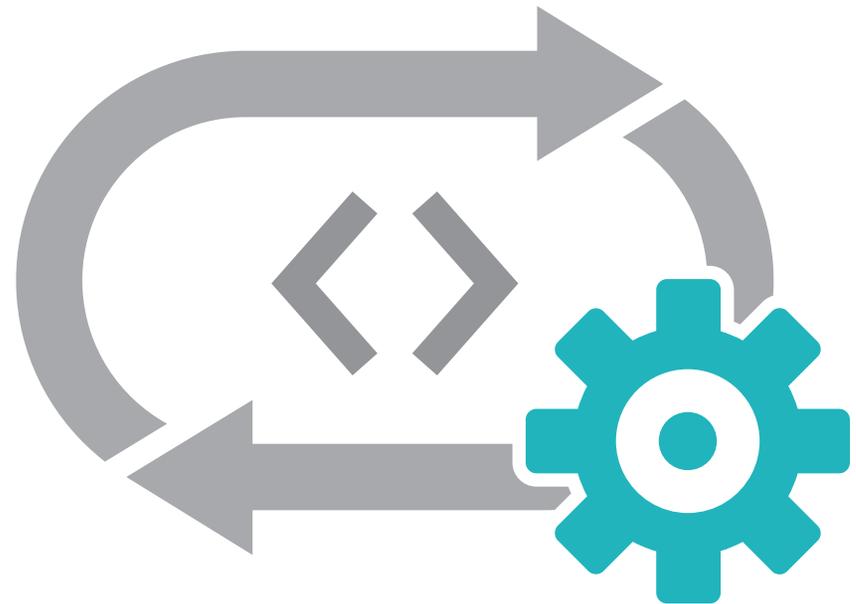
Developing

Use your favorite tools and frameworks—you don't need any **specific development tool or SDK...**

to develop applications that run on the Oracle Application Container Cloud.

You can:

- Continue to develop your applications as you have with your on-premises applications.
- Leverage the continuous integration capability offered by Oracle Developer Cloud Service, which is included at no additional cost when you subscribe to Oracle Application Container Cloud services. Oracle Developer Cloud Service is a turnkey solution that provides a development sandbox in the cloud with a GIT repository and Hudson-based continuous integration. Application Lifecycle Management (ALM) capabilities such as bug tracking, wikis, and team development are also included. Use Oracle Developer Cloud Service to automatically build and deploy applications to the Oracle Application Container Cloud.



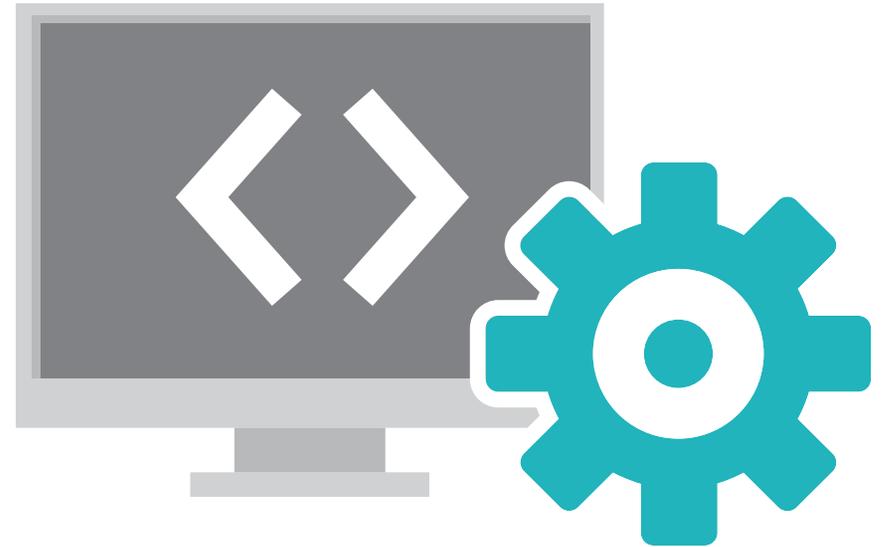
Application Management

Application management operations are easy to use, yet **fully managed and automated.**

Maximize your productivity using one-click operations in the self-service portal to manage your application configuration, deploy new releases, scale to meet demand, and upgrade to new versions.

Upgrading Your Language Runtimes

Upgrade to the latest language runtimes on your own schedule when the release is made available in the self-service portal. If you encounter issues post-upgrade, you can rollback to the previous release with a single button click.



Scaling Out and Scaling In

Scale out or scale in your application on demand. Scaling out adds a new application instance running in its own Linux container. Scaling in removes containers. As you scale out and scale in, application instances are automatically registered and unregistered with the load balancer so incoming traffic is automatically routed to all available application instances.

Service Integration

Built on top of Oracle's enterprise-grade cloud infrastructure, Oracle Application Container Cloud services are **seamlessly integrated with other services** offered by the Oracle Cloud Platform.



Oracle Messaging Cloud Service

Use Oracle Messaging Cloud Service to communicate asynchronously between your Oracle Container Cloud applications and with other cloud or on-premises applications.



Oracle Database Cloud Service

Access your Oracle Database data using Java standard APIs like JDBC, Java persistence API (JPA) using Oracle's open source Node driver or PHP with database connection details automatically published to your application runtime environment.



Oracle Developer Cloud Service

Automatically deploy applications built by Oracle Developer Cloud Service, a turnkey solution for your software development process. Oracle Developer Cloud Service comes free with Oracle Application Container Cloud Service.



Oracle Storage Cloud Service

Access the preintegrated Oracle Storage Cloud Service instance directly from your application. The preconfigured storage instance is used to store application logs and Java Flight Recorder recordings, but you can also use it to back up content to an off-site location, programmatically store content, and share content with peers.

Learn more about Oracle Cloud Services

on the [Oracle Cloud website](#).



Get Started

Learn More

- View data sheets, FAQs, pricing, and additional resources on the [Application Container Cloud](#) product pages.
- Set up an account and register at [Oracle Cloud](#).

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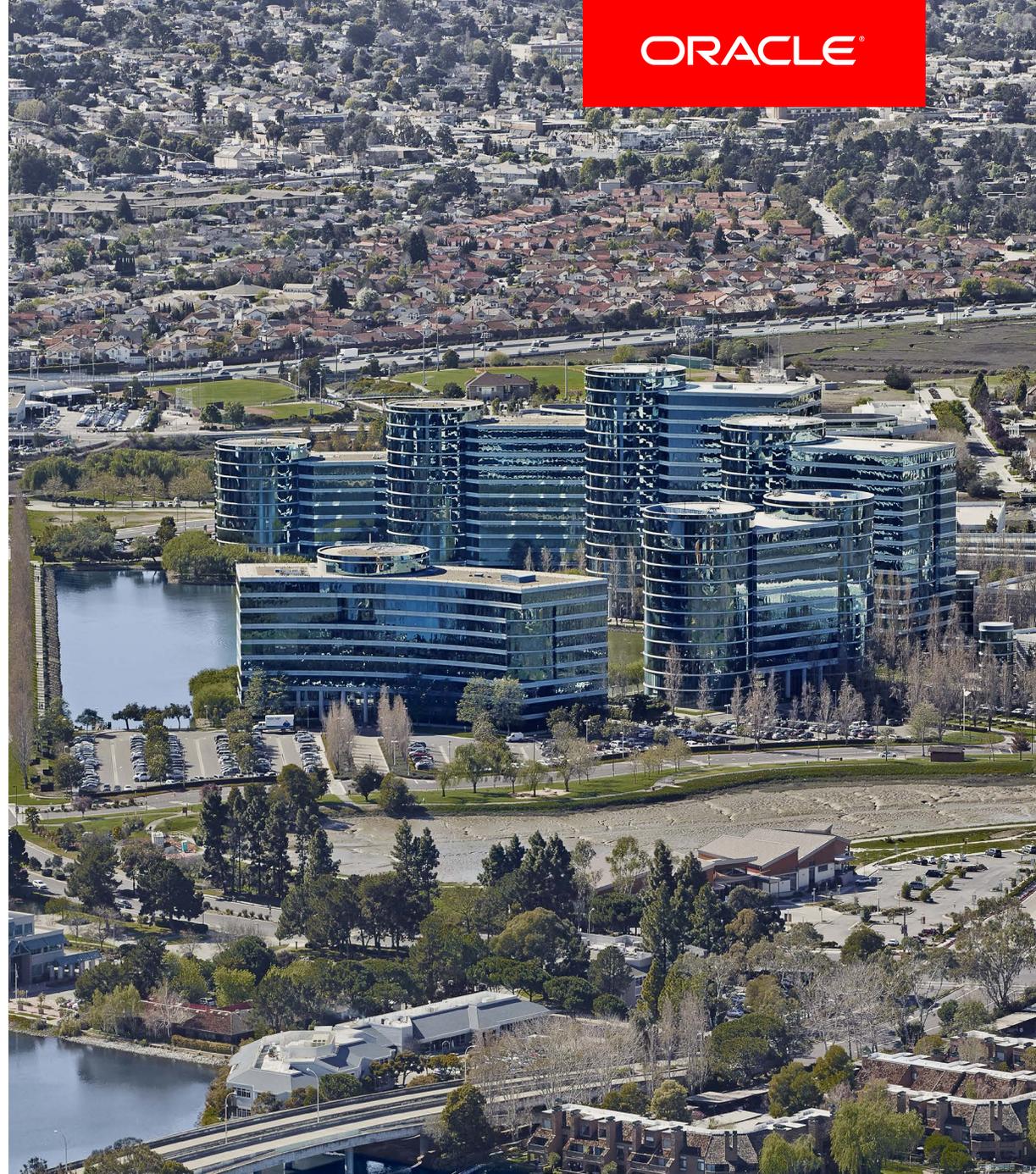
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ORACLE®

Integrated Cloud
Applications & Platform Services

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