DATASHEET

# OPENSHIFT ENTERPRISE

Platform-as-a-Service (PaaS) by Red Hat

## KEY BENEFITS

- Automate and standardize IT processes to effectively streamline the application service delivery process.
- Increase developer efficiency and agility by letting them focus on application code.
- Enable enterprises to more efficiently use application infrastructure across development, test and production environments.

## OPENSHIFT ONLINE

is Red Hat's hosted public PaaS service, available for free in developer preview mode at **openshift.redhat.com**.

- OpenShift Online runs in the public cloud.
- Developers can currently sign up for free, check out all the great features and capabilities, and start coding and running applications on OpenShift today.

## OPENSHIFT ENTERPRISE BY RED HAT

OpenShift Enterprise by Red Hat is a cloud computing Platform-as-a-Service (PaaS) solution designed for on-premise or private cloud deployments.

While Infrastructure-as-a-Service (IaaS) provides on-demand access to raw compute resources, and Software-as-a-Service (SaaS) provides on-demand access to a complete application, PaaS enables on-demand access to a cloud-based application platform. This enables enterprises to easily build the applications they need and run them in a cloud architecture.

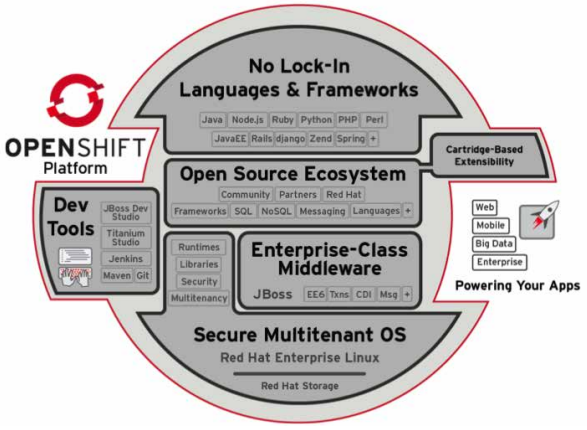
OpenShift Enterprise automates much of the provisioning and systems management of the application platform stack. This allows IT operations teams to more easily meet the growing demand for new application services coming from the business.

OpenShift Enterprise provides an on-demand, elastic, scalable, and fully configured application development, testing, and hosting environment for application developers so they can focus on coding those new application services. Once installed in a datacenter or as a private cloud, OpenShift Enterprise provides a self-service capability to developers. This allows developers to easily create scalable applications in the PaaS with their choice of programming languages and middleware, and begin coding applications from their favorite development environments.

## HOW OPENSHIFT ENTERPRISE WORKS

OpenShift Enterprise enables developers to easily and quickly develop an application. Using either the web console, command-line tooling, or Eclipse-based IDE, a developer simply requests an application instance from OpenShift Enterprise . This instantiates the application in the supporting cloud and provides necessary access information to the developer so they can immediately begin coding.

The developer pushes code updates to the cloud-based application via the Git source code control system and Git protocol secured with ssh. It also includes, and makes available development tools such as Maven for build management and Jenkins for continuous integration, all configured automatically in the PaaS environment. Once the application coding is complete, OpenShift Enterprise hosts the application and scales it as needed in an elastic fashion.



# OpenShift Enterprise

OPENSHIFT ENTERPRISE by Red Hat

| Feature | Benefit |
|---|---|
| Polyglot—Multiple Languages Supported | Includes built-in support for Java, Ruby, Python, PHP, and Perl. This provides developers with the ability to choose the most appropriate programming languages based on their own skills or the nature of the programming tasks. |
| Multiple interaction models | Provides multiple interaction models with the PaaS enabling developers to use a rich set of command-line tools, a powerful multi-device web console, or an Eclipse-based Integrated Development Environment with JBoss Developer Studio. |
| Auto-scaling | Enables applications to be scaled automatically to handle increased traffic and demand on the applications. |
| Application portability | Built with standard language and middleware runtimes such that any application written on OpenShift Enterprise can easily be moved to another environment that supports the same languages, which prevents lock-in. |
| Open source | Allows adopters to control implementation and doesn't restrict them to the technology of a specific vendor. This provides visibility into the technology on which they're basing their business. Open source also enables users to collaborate with communities and companies to help drive innovation. |
| Choice of Cloud Infrastructure | Designed for users to choose their choice of infrastructure, OpenShift Enterprise is deployed on top of and run on Red Hat Enterprise Linux (RHEL). There are no other specific requirement for the infrastructure layer. To that end, OpenShift Enterprise customers have a choice to run it on top of: public, private or hybrid cloud infrastructure. This gives IT the freedom to deploy OpenShift Enterprise in a way that best fits within existing infrastructure. |

## TECHNICAL SPECIFICATIONS

OpenShift Enterprise runs on the Red Hat Enterprise Linux 6 operating system on Intel x86_64 bit systems. The Red Hat Enterprise Linux instances that support OpenShift Enterprise can be provisioned using a variety of infrastructure technologies and the underlying hardware will be sized based on the estimated capacity requirements for OpenShift.

Operating system requirements:

- Red Hat Enterprise Linux 6

Provisioning platform options:

- Physical hardware
- Virtualization (e.g., Red Hat Enterprise Virtualization, VMware vSphere, etc.)
- IaaS (e.g., Red Hat Hybrid IaaS Solution, OpenStack, etc.)
- Red Hat CloudForms
- Red Hat Certified Public Cloud Provider

For additional information on OpenShift, visit **https://www.openshift.com/enterprise-paas**.


SALES AND INQUIRIES

NORTH AMERICA
1-888-REDHAT1
www.redhat.com

EUROPE, MIDDLE EAST AND AFRICA
00800 7334 2835
www.europe.redhat.com
europe@redhat.com

ASIA PACIFIC
+65 6490 4200
www.apac.redhat.com
apac@redhat.com

LATIN AMERICA
+54 11 4329 7300
latammktg@redhat.com



**www.redhat.com**
#10181687_1112