

## Java Platform-as-a-Service

### Highlights

- Comprehensive PaaS that enables enterprises to develop, deploy and manage Java and Spring applications in private, public and hybrid clouds.
- Provides all the necessary modules for autoscaling, user management, monitoring, and application lifecycle management.
- Supports leading open source stacks and middleware components from Red Hat, IBM, Apache, MySQL, and MongoDB. Application servers supported include: JBoss, Tomcat, IBM WebSphere, Jetty, and GlassFish.
- Only PaaS that allows mix-and-match of application infrastructure components, and application deployment on multiple private and public clouds.
- Tightly integrated with Citrix-CloudStack, Eucalyptus, OpenStack and VMware clouds, plus Amazon EC2 and HP Cloud Services public clouds.
- FREE to qualifying universities worldwide for academic research and teaching.

As IT organizations prepare their applications and infrastructure for cloud deployment, they must deal with enormous complexity, such as new deployment architectures, management and monitoring of cloud resources, application lifecycle management, software support on clouds, licensing, security, scalability, and migrating existing applications to the cloud.

At the same time, application developers and IT managers must provision and configure infrastructure software stacks, in addition to maintaining deep technical knowledge of multiple software components to be able to manage complex virtualized deployment environments.

The complexity involved in deploying clouds and managing application infrastructure limits the actual return on investments and benefits associated with cloud computing.

### Platform-as-a-Service Advantage

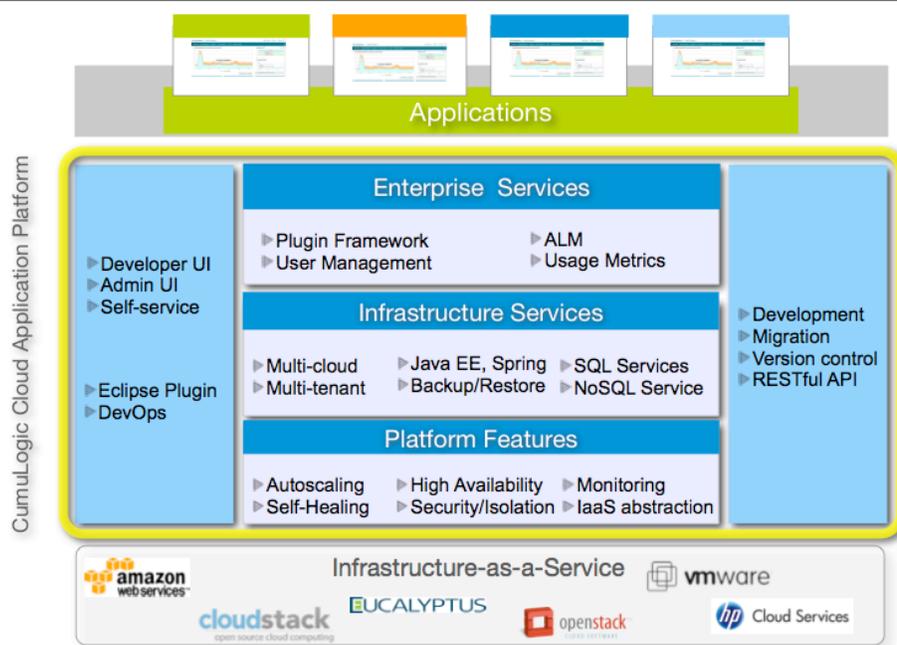
The Platform-as-a-Service (PaaS) layer allows organizations to deliver application Infrastructure-as-a-Service (IaaS) streamlining IT operations, simplifying application deployments and lowering the cost of IT operations - and in certain cases optimizing the number of software licenses required. More importantly, with PaaS, IT

can provide a self-service, on-demand development and deployment platform for developers to quickly deliver the applications needed to respond to rapidly changing business needs. PaaS decouples applications from the infrastructure, hence enabling developers to create applications agnostic of the underlying of the underlying application infrastructure platform.

### CumuloLogic Solution

CumuloLogic PaaS is a comprehensive end-to-end application management platform that transforms virtualized environments and IaaS clouds to high-value PaaS, simplifying the development, deployment and runtime management of mobile, web, HTML5 and enterprise apps in private, public and hybrid clouds. CumuloLogic platform improves developer productivity, lowers the cost of managing applications on clouds, enables DevOps collaboration, and streamlines the migration of applications to clouds - public or private.

CumuloLogic's PaaS simplifies application deployment down to single click tasks. It provides all the necessary infrastructure services required to run large scale applications. Developers have the flexibility to define the topology and bind to shared infrastructure services provided by the platform.



**James Gosling**  
**Creator of Java**

**“I’M ENTHUSIASTIC ABOUT CUMULOGIC’S PAAS CLOUD MANAGEMENT SOLUTION AS IT UTILIZES THE HIGHER LEVELS OF ABSTRACTION INHERENT IN THE PAAS MODEL TO REDUCE THE COMPLEXITY OF CLOUD MANAGEMENT, PROVIDES TARGETED FACILITIES FOR BOTH DEVELOPERS AND MANAGEMENT, AND ERASES THE DISTINCTIONS BETWEEN THE VARIOUS CLOUDS ENABLING TRANSPARENT INTEROPERABILITY.”**

The platform provides services such as messaging and SQL and NoSQL database services which are integrated with application servers and load-balancers as needed. CumuLogic’s flexible framework allows to easily integrate with third-party components.

A self-service portal and rich set of Developer and Administration API allow application developers and IT administrators to quickly on-board and manage applications in the cloud. CumuLogic PaaS supports multiple target clouds enabling organizations to deploy different workloads on private or public clouds based on security, compliance or service level agreement (SLA) needs.

**CumuLogic Advantages**

CumuLogic PaaS is ideal for enterprises considering deploying hybrid cloud models and Cloud Providers alike looking to provide high value PaaS functionality to their end customers. Using CumuLogic solution, enterprises can:

- Build a scalable PaaS on on-premise private and public clouds and maintain a single application platform to reduce the cost and complexity of managing applications in clouds and virtualized environments.

- Deploy fault-tolerant, mission critical applications.
- Run applications on private clouds ensuring data security and compliance.
- Implement charge backs through CumuLogic PaaS monitoring services which measure the cost of running specific applications, rather than VMs, storage and bandwidth.
- Manage the complete application lifecycle from development to production.
- Customize their PaaS by mixing and matching infrastructure components.

**THE IMPLEMENTATION OF JAVA PAAS CAN LOWER CAPEX BY UP TO 30% AND OPEX UP TO 35%.**

**Use Cases**

**Application Consolidation & Cloud Migration for Enterprises**

Enterprises can use CumuLogic PaaS to consolidate siloed applications running on different servers and infrastructure stacks to a single standardized platform across the

enterprise. This can help save over 30% of IT operations cost.

**Development/QA/Test/Lab Environments for Enterprises & ISVs**

CumuLogic PaaS improves developer productivity and time-to-market by eliminating the need for developers to manage the underlying infrastructure.

**SaaS Applications for ISVs**

ISVs seeking to deliver applications via a cloud can leverage CumuLogic PaaS for private or public clouds to provision and manage their applications end-to-end. CumuLogic can save ISVs over 50% of the cost of managing applications on clouds.

**Cloud Providers**

Cloud Providers can leverage CumuLogic PaaS to offer customized application Infrastructure-as-a-Service to their ISV and enterprise customers.

**Getting Started**

CumuLogic PaaS is available on Amazon EC2, HP Cloud Services, plus Citrix CloudStack, OpenStack, Eucalyptus, and VMware private clouds. Please sign up at [CumuLogic.com](http://CumuLogic.com), or for more information, please contact us at [info@cumulogic.com](mailto:info@cumulogic.com).