



Product Datasheet

HIGHLIGHTS AT A GLANCE

- Web-based, self service platform for PHP, Ruby on Rails, Java and Node.js
- Dedicated, secure and commercial grade platform
- Non-proprietary, open source technology-based
- Optimized for diverse scalability needs across enterprises, SMBs and startups
- Highly configurable software architecture allows for environment customization
- Deploy to any region worldwide to maintain proximity to users
- 24x7 Engine Yard support
- Engine Yard 99.9% SLA

PRODUCT BENEFITS

- Focus on application innovation and developer agility
- Control your environment with custom configuration options
- Reduce costs of maintaining platforms and infrastructure
- Choose from a variety of databases, application servers, web servers and runtimes
- Horizontally or vertically scale applications quickly
- Optimize application performance through built-in monitoring and alerts
- Improve security, reliability and performance of applications
- Stronger data protection through high availability capabilities
- Easily extend application functionality without comprising core feature development through third party Add-Ons

Engine Yard is the leading cloud application management platform for a wide range of PHP, Ruby on Rails, Java, and Node.js applications. Engine Yard runs small-scale web applications that require a single compute instance, to large-scale enterprise applications that require the reliability, elasticity and performance of high-availability clusters.

Engine Yard automates the configuration, deployment and ongoing maintenance of your application platform in the cloud. It consists of advanced technology that has been developed over seven years that ensures your application environment is reliable, secure and constantly up to date.

USER ACCESS
CLI, Interface & API



ENGINE YARD
Abstraction &
Orchestration
Engine



RUNNING APP
Runs Directly on Infrastructure

PLATFORM COMPONENTS
Component Repository & Add-ons



Through continuous integration methodology, all software components are optimized and continuously managed to ensure stack consistency, quality and ongoing compatibility with applications and the underlying infrastructure.

HOW DOES ENGINE YARD WORK?

Engine Yard enables developers in startups, mid-size organizations and enterprises to easily deploy complex distributed applications to the web from a Git repository. You select the size of your application environment, ranging from a single instance to a large multi-instance cluster. You also select your application framework, application runtime and database type. Then when you deploy, every instance provisioned for your environment automatically runs a Gentoo Linux distribution that is maintained and customized by Engine Yard. By default, instances are then configured according to your application environment and Engine Yard best practices.

However, you may also customize your environment, including installing additional packages or modifying the Engine Yard configuration by supplying your own set of Chef recipes. Using the Engine Yard platform ensures that instance configuration is repeatable, which means you can easily modify your environment as your application needs change. You can control all scaling operations through the web UI, or for some functions, our Ruby-based CLI.

HOW IS ENGINE YARD USED?

Engine Yard supports small or large, highly scalable applications. Whether you need to prototype or deploy production applications, Engine Yard scales easily to meet your needs. Applications from the entertainment, financial services, insurance, education, government, non-profit, retail and healthcare industries run on our commercial-grade platform. A few example use cases are listed below.

Application Categories	Use Case
Software as a Service	Multimedia processing Two way notification system Social photo tagging Social gamification Online charities
Mobile applications	Mobile gaming Social networking applications
Online presence	Hosting of corporate websites Partner and customer portals
Ecommerce	Online promotions Online shopping Storefronts
Campaigns and promotions	Seasonal campaigns Sales promotions Product launches

KEY FEATURES

Engine Yard delivers a rich set of features and capabilities.

For further details on features, visit

<http://www.engineyard.com/features>

For technical guidance, visit

<http://www.engineyard.com/documentation>

Software components with continuous integration:

Engine Yard provides you with a pre-integrated, pretested technology stack, including web, application and database servers, built-in monitoring and process management, an Engine Yard optimized Linux distribution (Gentoo), in-memory caches and more.

Engine Yard offers choice in databases such as

PostgreSQL, MySQL, Riak, and hosted databases.

Application server choices include Passenger and Unicorn

while Ruby interpreters include Ruby or jRuby.

Dedicated instances: An Engine Yard customer environment is isolated from other customer environments, is self-contained and includes dedicated compute, storage, and database services. Unlike other PaaS providers, Engine Yard customer environments are deployed in a dedicated tenant fashion which gives you the benefits of the cloud (scalability, elasticity, utility, lower costs), with the control you need to optimize your applications. Customers own their own instances, including full administrative access.

Architected for reliability: Engine Yard provisions and configures instances, after which they run directly on the infrastructure and independently of our platform. There are no intermediate layers or routers between the running app and the infrastructure. This means that if the Engine Yard platform goes down, your application will still be running.

Fine grained controls: Engine Yard allows you to control everything from where your application is deployed to configuring the software stack.

- Install or configure custom software via Chef recipes
- Customize deployment of your application (during or post) with Deploy Hooks
- Access command-line tools for deployment
- Choose from a variety of runtimes, application servers and databases
- Install additional Unix packages or RubyGems
- Configure and tune performance parameters at layers of the stack
- Deploy from any Git repo (included self-hosted)

- Get full SSH access control to run any Unix command, access logs, etc
- Control when Engine Yard updates are applied to your software stack

Self-service provisioning: The Engine Yard web interface allows you to add and remove instances on demand. You can easily see the status of your application and add and remove capacity or deploy new application versions.

Database replication: Replicate your master databases on both PostgreSQL and MySQL. You can create database slaves with smaller or larger instance sizes.

Scaling: Add additional instances easily to your application tier, and that instance will automatically deploy with the correct application configuration and join your load-balanced group.

Monitoring and alerting: Engine Yard allows you to track all the essential resource utilization for your application, including storage, CPU and memory utilization levels, and alerts you when you need additional capacity, or when your latest application may be behaving poorly.

Cloning: With a single click, you can clone your full production environment even if your application is running across many different instances with multiple volumes and databases.

Snapshots & backups: Application code and databases are written out to persistent storage volumes. Engine Yard automatically mounts these volumes and creates backups. Both the /data mount on the application master instance and the /db mount on the database master instance(s) are persistent.

High availability: This functionality is available at two levels:

- Platform level high availability: All Engine Yard supporting infrastructure is located in multiple regional datacenters.
- Application level controlled high availability: Within the interface, customers can select from different regions to establish their computing clusters. Once a region is selected, the Engine Yard provisioning system distributes the instances across multiple datacenters.

Security: Engine Yard provides operating system security, database security, network security (ports/protocols), vulnerability management (including testing and patching) and support access.

Business continuity: The Engine Yard architecture provides automatic failover that can replace a failed master application instance with an existing application slave. "Takeover" is the Engine Yard failover process for recovering from failure of an application master instance and occurs automatically when Engine Yard detects that your application master is unable to reliably respond to requests.

Add-ons: Engine Yard Add-ons are third party services from leading vendors and SaaS providers that seamlessly complement Engine Yard to provide additional application capabilities. Visit <http://www.engineyard.com/partners/add-ons> to use Add-ons ranging from email to translation services to monitoring and alerting.

PRICING

Engine Yard is a fully-metered deployment platform, which means that you only pay for the resources you actually use. There are no sign up or minimum usage fees. Visit our pricing page for details:

<http://www.engineyard.com/pricing>

SUPPORT

Engine Yard is highly regarded by customers and the community for its deep technical expertise, powerful infrastructure orchestration and world class professional services and DevOps support. Through our support plans – Standard, Premium or Managed – Engine Yard customers get access to an elite support team. All Engine Yard customers get unlimited Standard support. For details on upgrading, visit:

<http://www.engineyard.com/support/plans>

FREE TRIAL

The Engine Yard trial allows a new customer to run one or more high CPU Medium compute instances for up to 500 hours free of charge. The trial is ideal for evaluating the Engine Yard experience. You may start a new trial or convert to a paid account here:

<https://www.engineyard.com/trial>

Engine Yard™

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