

# Morph AppSpace™

Platform as a Service (PaaS) providing an enterprise-quality hosting environment to **deploy, deliver, and manage** scalable web applications



## Benefits

- **Instant deployment** - Your application can be deployed and available in a matter of minutes.
- **Elastic application environments** - Scale up or scale down to meet the demands of your users with the click of a button.
- **Pay as you go** - Daily billing allows you to control your costs with no upfront fees or setup charges.
- **Developer control** - Manage your application with access to deployment and production logs, direct DB access, and real time statistics.
- **Fault-tolerant infrastructure** - Multiple front-end load balancers and dynamic routing spread utilization across redundant compute instances.
- **Security to give you peace of mind** - Each Morph AppSpace subscription has a private DB to keep data safe and secure. Hardened Linux OS. Firewall-protection and intrusion detection. Physical security on all components of the system.

## Customer Spotlight

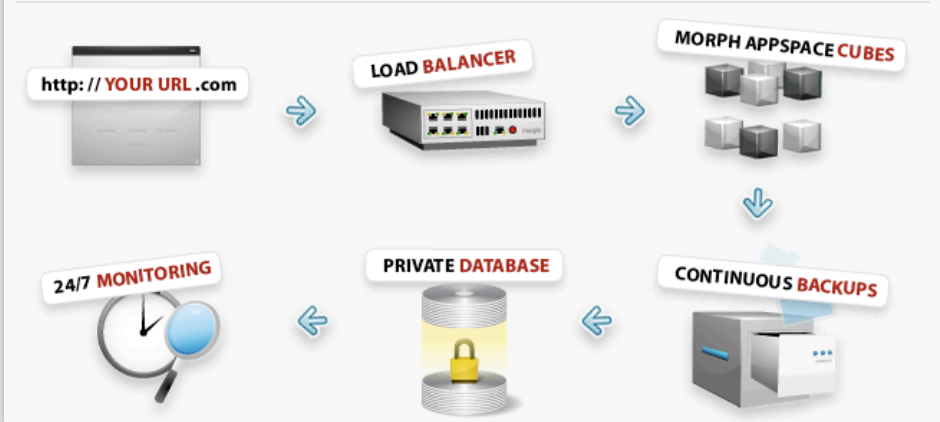
*Morph offers the best experience for Rails deployments. We can (and do) scale to as many app servers as we want in minutes, and then scale back as peak demand changes. Our customers often spend an hour interacting with our application and that just chews up server resources. Morph allows us to handle it effortlessly. We have moved production to Morph over a weekend and we're fabulously happy with how easy it was. The Morph guys were helpful and responsive before, during, and after. From now on, we'll be using Morph AppSpace in releasing all our new applications -- from prototype to production.*

Jim James - [mytripscrapbook.com](http://mytripscrapbook.com)

## An end-to-end application environment ready for you to use so you don't have to spend time downloading, installing, configuring, and managing infrastructure

Your Morph AppSpace subscription delivers a scalable on-demand application environment ready at a moment's notice. A combination of managed services and integrated technologies -- Morph AppSpace is a complete Platform as a Service for web applications that allows developers to focus on building applications, not infrastructure.

### Morph AppSpace Subscription



## Anatomy of a Morph AppSpace Subscription

Each Morph AppSpace subscription consists of physical components, processes, and services pre-configured for your application. When users try to access your Web application, an intelligent routing layer at the forefront accepts the requests and direct these traffic to the application instance with the least number of load. The Morph AppSpace cube layer is a pre-configured delivery environment that maintains application separation, giving you the ability to quickly scale in just a click of a button. Next is the database layer that automatically integrates a highly secured private DB for your application. And finally, there's a control layer that provides managed services including continuous backups, 24x7 monitoring, and auto-repair capabilities.

Free developer account subscriptions available at [www.morph.ph](http://www.morph.ph).

## Elastic Morph AppSpace cube instances

Think of a Morph AppSpace cube instance as a virtual world where your application can run and perform its job. Morph AppSpace cube instances are deployed on-demand throughout our infrastructure at a moment's notice. This allows the administrator to quickly increase the compute power of an application by deploying additional instances simply by adjusting a field in the administrator's console. You no longer need to think in terms of physical or virtual servers.

## Morph AppSpace cube for Rails

Morph AppSpace cube instances for Ruby on Rails include two base components: the open source application server called Mongrel and the open source web server Nginx. When a new Morph AppSpace cube instance for Rails is deployed, the environments are configured, database is connected and the individual application is launched. The entire process is automated and takes just a few minutes to complete. Once launched, the new instances begin to accept requests from the load balancers and application capacity is increased.

## Morph AppSpace cube for Grails and Java™

The Morph AppSpace cube instance for Java is primarily based upon Jetty running inside of a Java virtual machine. When a new Morph AppSpace cube instance is launched, a new JVM is instantiated and Jetty is automatically configured within that JVM. If a database is being used, connections to the DB are completed and the application is then automatically deployed and launched. Just as with the Rails Morph AppSpace cube instances, the new environment begins to accept requests as soon as it is available.

## Not like ordinary hosting services

Ordinary hosting solutions simply provide a box for you to run your application. Our Platform as a Service pre-configures the application environment so you don't have to spend time downloading and installing software. Real system administrators continually monitor the system providing ongoing maintenance for security patches, optimizations, and problem resolution. Databases are automatically backed up to a physical storage reducing the risk to data. Traffic is managed and routed to your applications, as well as spread across the environment to reduce the risk of a single point of failure.

## Focus on building your apps, not managing infrastructure

Take advantage of readily available services to eliminate the need for additional manpower and expertise.

- Near real-time backup of database updates to Amazon S3
- Ongoing security updates & maintenance to OS, database, web stacks, firewalls, load balancers, and routers
- 24x7 monitoring of hundreds of potential fault points with automated recovery services and real system administrators



## Reduce your cost and burden

Morph AppSpace subscriptions are based upon the size of the environment that you need for your application.

- FREE developer accounts
- Flexible daily billing scheme, pay only as you grow
- No setup fees
- No hardware to purchase

## Ruby on Rails applications

- Supports Rails versions from 1.1.6 and up now including 2.0.2, 2.0.1, 1.2.6, 1.2.5, 1.2.4, 1.2.3, 1.2.2, 1.2.1, 1.2.0, 1.1.6
- Pre-integrated PostgreSQL 8.3, MySQL support
- Supports session through database or cookies
- Deployment via Capistrano
- List of installed gems available at <http://forums.mor.ph/forums/8/topics/46>

## Java web applications

- Support for Java web applications written against the standard 2.5 servlet specification, with PostgreSQL 8.3 available as a standard XE data-source available via JNDI (JSR-154, JSR-135), MySQL support
- Supports session through database or cookies
- Deploy directly from Eclipse, Maven, Ant or a JAR file