

# Delivering Platform-as-a-Service *for* Enterprise Business

## OVERVIEW

Last.Backend Enterprise is an application platform to help organizations develop, deploy, and manage existing and container-based applications seamlessly across physical, virtual, and public cloud infrastructures.

Built on proven virtualization technologies (Docker, Kubernetes), Last.Backend Enterprise helps development and DevOps teams modernize applications, deliver new features, and accelerate development processes.

## FOR DEVELOPMENT TEAMS

Last.Backend Enterprise provides developers with a complete platform for building, and deploying the distributed applications in a self-service fashion. With automated workflows it's easy to get source code from version control systems into ready-to-run, docker-formatted container images.

Last.Backend integrates with version control systems like GitHub, GitLab, Bitbucket, making it an ideal solution for any development team.

## FOR DEVOPS

Last.Backend Enterprise gives DevOps a secure, enterprise-grade environment that provides policy-based control and automation for container-based applications in production. Stack services, scheduling, and orchestration based on Kubernetes all provide load-balancing and auto-scaling capabilities.

Security features prevent tenants from compromising other containers or the underlying host. And because Last.Backend can attach additional volumes directly to Linux® containers, IT organizations can run both stateful and stateless applications on one platform.

## USE CASES

### #1 Development / Testing

Last.Backend allows developers to focus on code. With Docker native workflow, and no VM clusters to manage or upfront planning to perform, developing on Last.Backend is the same as on the computer.

### #2 CI / CD

Last.Backend is the best cloud hosting service to create CI/CD pipeline. No more long running costly VMs sitting waiting for build jobs. With Last.Backend you only pay for cloud resources.

### #3 Infrastructure optimization

Last.Backend is a cloud platform based on a managed container system. Containers contain only what's necessary to build and run applications. This allows enterprises to reduce the amount of storage and eliminate hypervisor licensing costs within their organizations.

### #4 Multi-language support

Developers have the choice and the ability to run multiple languages and databases on the same platform. Allows customers to more easily take advantage of the container eco-system.

### #5 Application management

Developers can create and manage applications utilizing a rich set of command-line tools, a powerful web interface. Deploying to Last.Backend is incredible fast and with a few commands, your app is up and running for the world to see.

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The Last.Backend Enterprise provides a fully supported end-to-end PaaS platform for your on-premises or virtual private cloud.

# Cost Savings Opportunities *on* Server Infrastructure

## COST SAVINGS OPPORTUNITIES

Server cost reduction: increased container density and compute efficiency via Kubernetes will significantly reduce underutilized servers.

Reduced management costs: Kubernetes built on top of Docker. Docker, under the hood, will increase container density will allow for an equal workload with fewer VMs.

Application deployment and cycle time improvements: dev/test/production parity and controls from Last.Backend means deploy your apps more quickly, more frequently, and more reliably. Organizations will see increased delivery speed and reduced change-based outages.

## QUICK COST JUSTIFICATION

1. Fewer Servers
2. Reduced virtualization management
3. Increased developers and IT Ops productivity

The savings are modeled in this way:

### FEWER SERVERS

\$1k per month per server reduction opportunity.

### REDUCED INFRASTRUCTURE

\$340 per month per server reduction opportunity.

## EXAMPLE

Here's one hypothetical example, a corporate web site including its development, test, and production environments running on a total of 20 servers:

### FEWER SERVERS

A 30% (6 of 20 servers) reduction is common from dev/test consolidation alone.

#### SAVINGS:

- 🔗 \$1k/mo/server;
- 🔗 6 servers = \$6k/mo = \$72k/year.

### REDUCED VIRTUALIZATION

A 50% (10 of 20 servers) reduction in overall VM use.

#### SAVINGS

- 🔗 \$1k/mo/server;
- 🔗 10 servers = \$3.4k/mo = \$40.8k/year.

**Annual savings of \$112,800/year.**

# Last.Backend Enterprise Features

Nº	FEATURE	BENEFIT
#1	Built-in operational management	Users get real-time vision into not just the individual container, but the entire infrastructure.
#2	Kubernetes native stack	Last.Backend builds upon Kubernetes concepts to provide simple, developer-friendly app deployment. Delivered as a set of Kubernetes micro services, operators easily install the platform.
#3	GUI management for apps, containers and volumes.	Manage and administer your organization's development processes, infrastructure resources, users from a unified interface.
#4	Powerful API	Last.Backend workflow provides a simple API so you can get up and running with Kubernetes easily - making it simple to integrate with your existing processes.
#5	Self-service provisioning. Command-line tool.	Developers can quickly and easily create applications on demand directly from the tools they use most, while still giving operations full control over the entire environment.
#6	Monitoring and logging of events	Last.Backend workflow makes it easy to troubleshoot app issues, with transparent log aggregation and metrics collection; including, flexible log draining.
#7	Collaboration. Role based access control for teams & orgs	Last.Backend Enterprise is an application platform to help organizations develop.

## ABOUT LAST.BACKEND

Last.Backend™ company focuses relentlessly on the developer experience around a distributed apps.

Last.Backend™ lets companies of all sizes embrace the value of a distributed apps, not the distraction of servers.

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