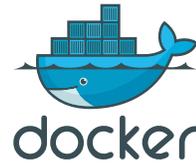# Docker Accelerator for the Enterprise
"Dockerize" Workloads. Quickly, Securely Setup and Leverage the Power of Docker.

WaveMaker is a PaaS software platform that enables enterprises to quickly create and manage a private cloud within their own data centers or on infrastructure provided by vendors like Amazon Web Services. WaveMaker Cloud platform is architected based on Docker containerization model, which provides a lightweight, resource-optimized environment. The platform also provides a lot of value-added features on top of the Docker containerization model including customizable software stacks, scalability and high availability. It also enables enterprises to easily create and deploy Microservices Architecture-based apps using simple self-services based UI consoles.

Applications

WaveMaker Enterprise Cloud
Docker Container Management and
VM Optimization Layer

Docker

Virtual Machines

Existing Enterprise IT Challenges

DevOps

- Growing day-to-day operations task of managing and monitoring custom apps
- Complexity of packaging, provisioning, and deployment of custom apps and their dependencies
- Minimizing app delivery time

CIO

- Acceptable Solution Setup and management of Private Cloud is too heavy and complicated
- High risks associated with use of non-sanctioned software stacks
- Expectation from IT to deliver more quality services with lesser budget

Enterprise Architect

- Need a platform that can ease Microservices Architecture-based app development
- Apps should effectively handle scalability, availability and continuity of business
- Need self-service capabilities for infrastructure provisioning and monitoring

Matt in DevOps

"I need to simplify the process of transitioning applications through different life cycle stages like development and testing and speed up app delivery."

Patrick the CIO

"I want to quickly create a Docker-based private cloud platform, which can lower cost, enforce IT sanctioned software use and also offer self-service to the enterprise app developers."

Alan the Enterprise Architect

"I need to make sure the company's systems and applications adhere to best technology standards and practices, while still not compromising on future business growth and technology adoption."

Easily setup a Docker-based enterprise cloud platform

WaveMaker enables the enterprise IT Admin to setup a private enterprise cloud platform based on the Docker containerization model, using an easy intuitive management console.

Docker benefits delivered through WaveMaker Cloud platform

Lower TCO through Docker-based private cloud

WaveMaker Cloud platform uses the lightweight Docker Containerization model. This technology provides low cost of ownership as it can run 2-3 times the load of a comparable Virtualization solution and offers significantly lower licensing cost.

Peace of mind with IT certified software stacks

Docker containerization model uses the concept of registry to store software components. This provides an opportunity for enterprise IT to enforce the model of using only certified software stacks by the enterprise.

Instant infrastructure provisioning

Docker containers are lightweight compared to traditional virtual machines and can be provisioned instantly in a matter of seconds. On top of that, WaveMaker Cloud also allows easy hardware and software stack configuration for these containers, providing maximum customization.

Leverage WaveMaker Cloud's value-addition on top of Docker

Customize IT environments using container sharding

Supports logical grouping (e.g. Development and Test environments) of Docker containers for the purpose of deployment identification. This simplifies the management of multiple containers and provides the ability to horizontally scale app workloads.

Auto-optimized cloud infrastructure

WaveMaker provides automatic hibernation and reclaiming of idle containers for optimal use of compute resources.

Faster app delivery using continuous deployment based on Docker images

WaveMaker removes project delivery bottlenecks by providing a consistent app environment, using Docker images, through different stages of the app life cycle. This results in effective agile process and faster app delivery.

Scale your app instantly with ease

WaveMaker insulates the developer from app scalability challenges by providing a readymade Docker based scalability infrastructure that can be configured easily using a self-service based management tool.

Enables Microservices Architecture based apps

WaveMaker provides an infrastructure that allows applications to be deployed in independent Docker containers enabling Microservices Architecture-based.

Seamless app upgrades

WaveMaker allows multiple versions of an app to coexist in different Docker containers enabling seamless upgrades to newer app versions and ensuring business continuity.

High availability for apps

WaveMaker provides an infrastructure that allows applications to be deployed into multiple Docker containers enabling high availability.

Enables the concept of composable enterprise

Enables the creation of Microservices Architecture-based apps, thereby making the idea of composable enterprise a reality.

Easy, Yet Powerful App Monitoring and Management

WaveMaker provides a full-fledged self-service console for monitoring and managing infrastructure as well as applications. Gain visibility into your app workloads with monitoring and graphical dashboards.

Request Demo:

http://www.wavemaker.com/request-demo