



Why Your Business Needs Managed Kubernetes



MEET KUBERNETES

Kubernetes has become the fastest growing container technology due to its offerings and ease to use. Kubernetes has built a great open source community around it. Around the world, many CIO's and technologists have adopted to use Kubernetes and it is expected to evolve in 2018.

As companies move to the cloud, they will find that they have some needs where a PaaS or IaaS works best, and others where containers (some call this CaaS) will be more suited.



DigiState CLOUD MANAGED KUBERNETES

To gain all the benefits of the cloud, companies are moving to DevOps and Cloud Native development. As they adopt DevOps they start to build applications as independent components using microservices running in containers. Now, instead of a single code base that is updated every six months, updates are made on an as-needed basis and can number in the 100s, if not 1000s, a day.

To make this work takes infrastructure and automation. Forget about infrastructure complexities. With DigiState Cloud managed Kubernetes cluster you can manage your own Kubernetes orchestrator with 24/7 engineering support.

AUTOMATION AS A SERVICE

Automation is the abstraction of complexity. DigiState Cloud DevOps team provides DevOps as a Service to companies seeking to optimise their development assembly lines. We provide an easy, repeatable way to deliver and deploy software safely with Docker container templates and other integrated open source toolsets.

By combining these elements we can provide a full service for your development needs to reduce the costs associated with infrastructure and development.

DEVELOPMENT EFFICIENCY AND FREEDOM

Developers no longer need to be at odds with engineers. A developer can create, test, and build an app all in a container from prepared templates. Then they simply hand the container over to the engineering staff or container management platform. The engineer or container management service just needs to know what network and storage requirements the container(s) need. They really don't need much knowledge about the container's function – just that it runs.

DEVOPS MEETS CONTAINERS

50%

of organisations have implemented DevOps

Source: [Forbes](#)

42%

of CEOs have begun digital business transformation

Source: [Gartner](#)

40%

Increase in Docker adoption

Source: [DataDog](#)

48%

of companies with more than 5000 employees use Kubernetes

Source: [Portworx](#)



ALL IN ONE CONTAINER MANAGEMENT

Kubernetes clusters can automatically handle networking, storage, autoscaling, logs, alerting, etc. for all your containers

GREATLY REDUCED DOWNTIME

Once they are set up and properly configured, you can expect your applications to run with extremely low downtime, great performance, and with a greatly reduced need for support intervention.

NO VIRTUALIZATION OVERHEAD

Applications inside a container have direct access to your underlying server hardware without the overhead of virtualization.

ACTIVE COMMUNITY SUPPORT

1,000+ community contributors and 34,000 commits – five times that of nearest rival Mesos.

RUN ANY LINUX APPLICATION

It is a one-tier container application system. Any Linux application can be containerized and run directly on Kubernetes.

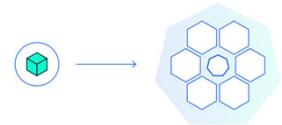
SPEED TO MARKET

This allows increased speed to market, and it lowers engineering costs by bypassing the server-level engineering normally needed to launch applications.

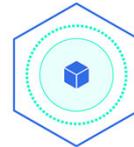
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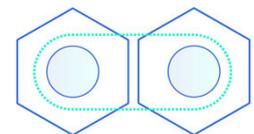
CREATE KUBERNETES CLUSTER



DEPLOY AN APP



EXPOSE TO PUBLIC



SCALE UP YOUR APP



UPDATE YOUR APP



SUCCESS STORIES

Even though Kubernetes orchestration platform has been around as a stable release for a couple of years, we are happy to present our success stories of running the containers in production from our clients.



LITHUANIAN RAILWAYS

<http://www.litrail.lt/en/>

Lithuanian Railways in-house development team is comprised of over 100 .NET / JAVA web developers supporting and developing internal systems and ticketing platforms. Running containers with Kubernetes as part of their Continuous Integration and Continuous Deployment pipeline helps reducing their product release cycle from once-a-month to once-a-week and less.

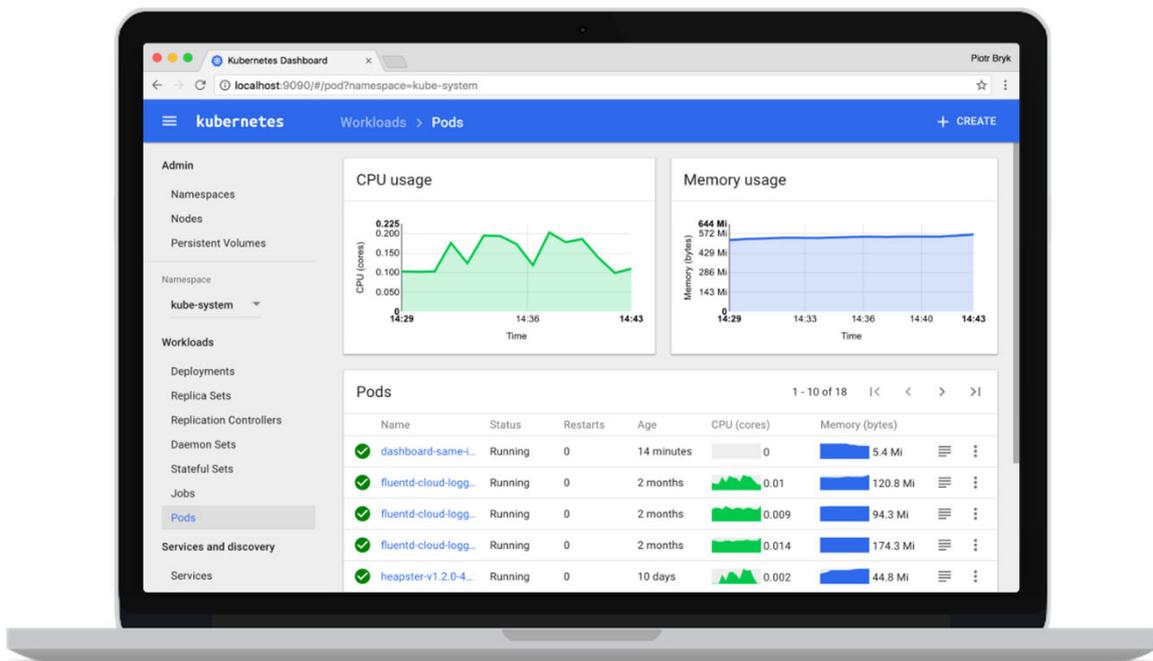


GAME INSIGHT

<http://www.game-insight.com/en>

With its breadth of games, depth of players and focus on innovation, Game Insight is pioneering cross-platform gaming on a global scale. DevOps practice in the company supports cross-platform game developers working with C++ / C#. By running containers in the cloud with Kubernetes, the company can provide scalable infrastructure for launching new games and supporting traffic spikes.





For more information about how **Kubernetes** can help your business, visit www.digistate.nl or call us at +31 (0)302074400.

[CONTACT US](#)