PROOF OF CONCEPT
AZURE KUBERNETES SERVICE

To get the maximum benefit from the cloud, applications should be modernized towards a "cloud-ready" and "future-proof" landscape. Container technology such as Kubernetes has become essential in this application modernization journey. While Kubernetes makes building, delivering and scaling containerized apps faster, setting up and managing a Kubernetes infrastructure is quite a complex thing. That's why Microsoft has developed the Azure Kubernetes Service (AKS) to aid in the deployment, management, and operations of Kubernetes on Azure.

Do you wish to find out what Kubernetes can mean for your organization? You will discover it yourself during our Proof of Concept. In just 5 days we will **setup and configure AKS, deploy a sample application and proof the automated scaling of AKS**:

inetum
realdolmen
Positive digital flow

Proof of concept Azure Kubernetes Service (AKS)
The Proof of Concept consists of following steps:

Kickoff workshop

During this first phase we want to be aligned with you before getting started. We want to get the requirements and scope clear and identify the prerequisites.

Design and build:

- Technical Design of the AKS cluster, to meet your objectives and non-functional requirements
- Setup and configure AKS
- Deploy 1 application on AKS using helm charts
- Implement horizontal scaling

Closing

- Demo of the AKS cluster
- Proof of the automated scaling when putting load on the application
- Technical hand-over
- Lessons learned workshop and possible next steps

And afterwards?

If you are as enthousiastic as we are after this PoC, we can extend the PoC and **bring the AKS cluster to a higher level in production**. The exact scope can be agreed on, based on the findings of the POC and your specific requirements. Possible topics are High availability (Pod Disruption Budget, Rolling Upgrades, …) and Security (Network Policies, Authorization scopes, Pod Security Policies, Container Images Security Scans, …)

Of course you can also rely on us for building containerized applications, the management and improvement of the existing environment with formulas such as fully managed AKS cluster, DevOps consultancy, training & coaching.

WANT TO SEE KUBERNETES IN ACTION BEFORE TAKING A DECISION ?

Contact our experts with any questions, suggestions or challenges. We are looking forward to inspire you with the possibilities and advantages of Azure Kubernetes Service.

INFO@REALDOLMEN.COM