

Application modernization with AKS



About LinkByNet

LinkByNet was founded in 2000 and provides innovative services and solutions to enable and secure companies **digital transformation**. Based on the four pillars of managed services, consulting, security and software; LinkByNet has known an impressive worldwide growth since its creation, boosted by a strong **customer satisfaction** and recognition.

Kubernetes in Azure

Kubernetes is currently the most popular **container orchestrator**, it has been incorporated into **Azure Cloud** as a PAAS service (Azure Kubernetes service) to deploy containerized microservice applications in the cloud.



Why using containers and orchestrator?

Containers are the latest compute trend replacing VMs and offering the following **benefits**:

- Lightweight, meaning they use only what they need and many can run on a single VM
- Reliable, containerized applications run exactly the same on any environment (physical server, VM or Cloud)
- Very fast to deploy
- Easy to replicate and maintain with container images

But when scaling up both the number of application instances and the application complexity they become difficult to manage manually which is when an orchestrator comes into play, allowing:

- Container availability/health check with automatic restart
- Easy and automatic scaling
- Load balancing
- Intelligent resource allocation

How do we support you moving your applications to AKS and with microservices transformation?

We use a three steps methodology to get you well started

- **Training:** We provide a comprehensive training to your ops team for them to understand the benefits of Kubernetes, be actors of the transformation and gaining the necessary skills to manage an AKS platform.
- **Audit:** Application, existing infrastructure and testing/deployment processes are analyzed to determine how you can best benefit from moving your applications to AKS and integrate it in your processes.
- **Recommendation:** We provide you with a document detailing a roadmap to guide your transformation and adoption of AKS as well a highlight of the best practices taking your infrastructure and security constraints into account.



But this is only the **first step** in the journey to full adoption of **AKS** and migration/transformation to get the best of it. We can continue to support you during the rest of this journey with:

- Containerization / 'Kubernetesization' of the application for project teams
- Deploying an application in production on AKS
- Deployment of a hybrid AKS/Private Cloud infrastructure