



# Sitecore on Azure Kubernetes Service

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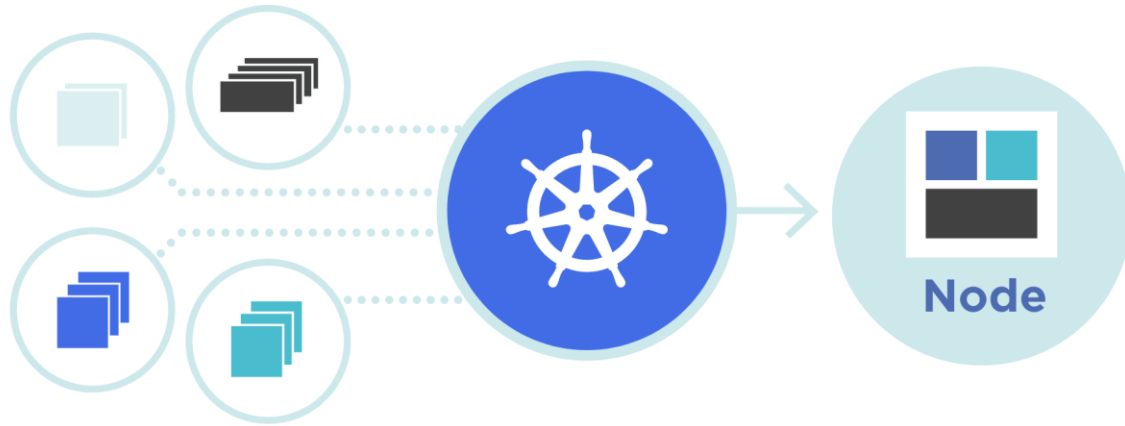
*“Kubernetes is a portable, extensible, open-source platform for managing containerized workloads and services, that facilitates both declarative configuration and automation. It has a large, rapidly growing ecosystem. Kubernetes services, support, and tools are widely available.”*

<https://kubernetes.io/docs>

# Why do you need K8s?

- Service discovery and load balancing
- Storage orchestration
- Automated rollouts and rollbacks
- Self-healing
- Secret and configuration management





- Cluster
- Container
- Node
- Service
- Pod
- Ingress
- Deployment
- Namespace



## Microsoft's Managed K8s Service

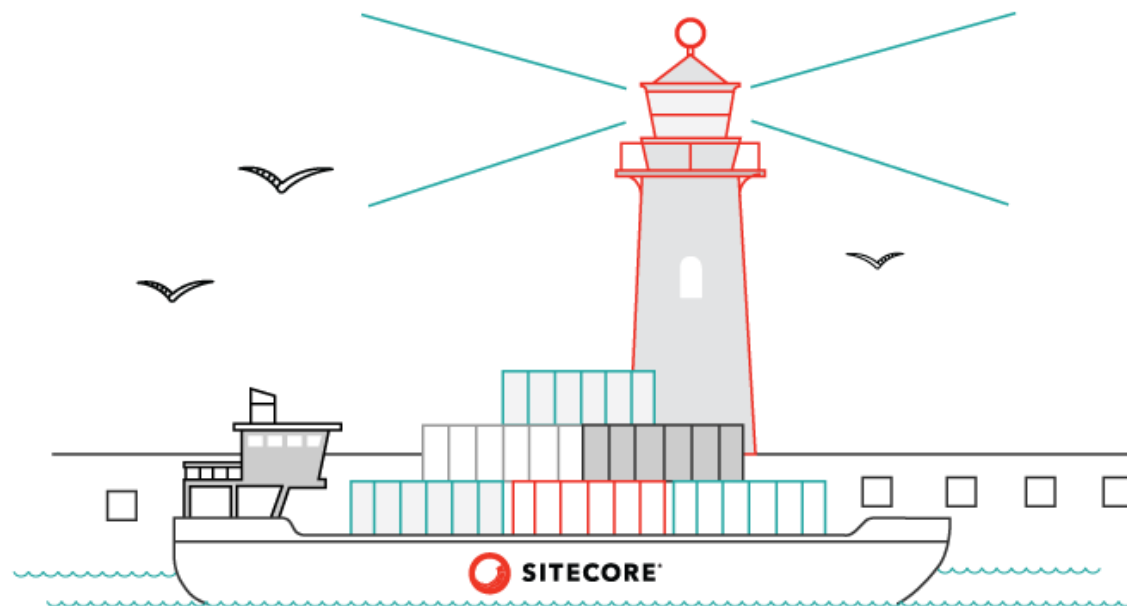
- Elastic Provisioning
- Integrated with VSCode
- Identity Management through AAD
- Available in 36+ regions
- Available with both Linux & Windows nodes

## What's available?

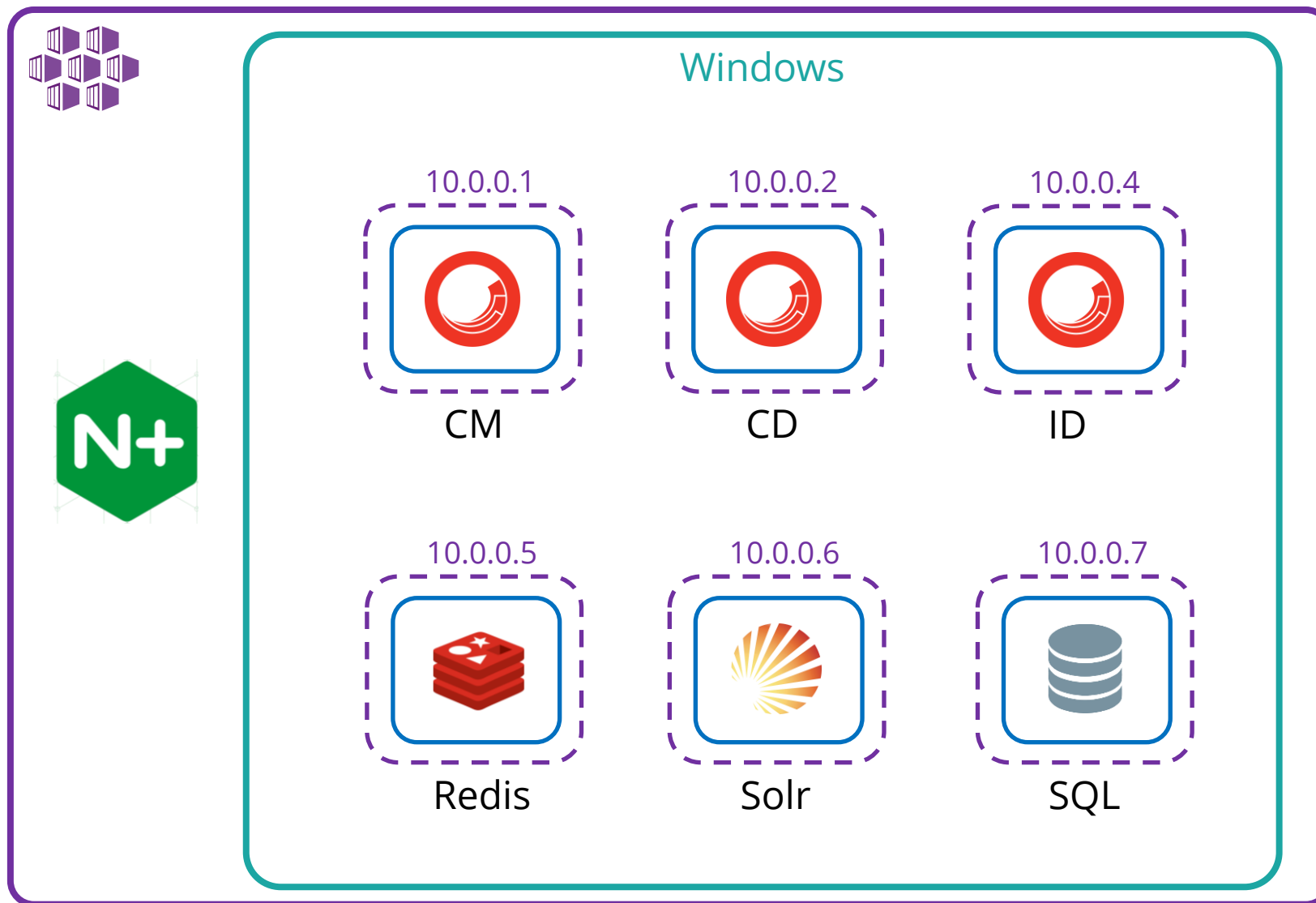
- Full set of Kubernetes Specifications
- Complete installation guide
- Available today on <https://dev.sitecore.net/>

## What is and isn't supported?

- Application containers fully supported
- Data storage containers need to be in a separate Node Pool



# Target Architecture







Demo Time!



- Leverage industry standard Kubernetes Tooling
- Make use of K8s secrets – secure your applications
  - Be careful of whitespace!
- Make sure you secure your cluster
- Plan how to setup your Data Storage roles in production
  - SQL, Solr, Redis
- Read Microsoft's AKS best practices - <https://docs.microsoft.com/en-us/azure/aks/best-practices>

# Thank you

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