



Containers on Azure



Thiện Nguyễn

Engineering Manager at NashTech

Microsoft MVP and Creator of SimplCommerce

What is a container?



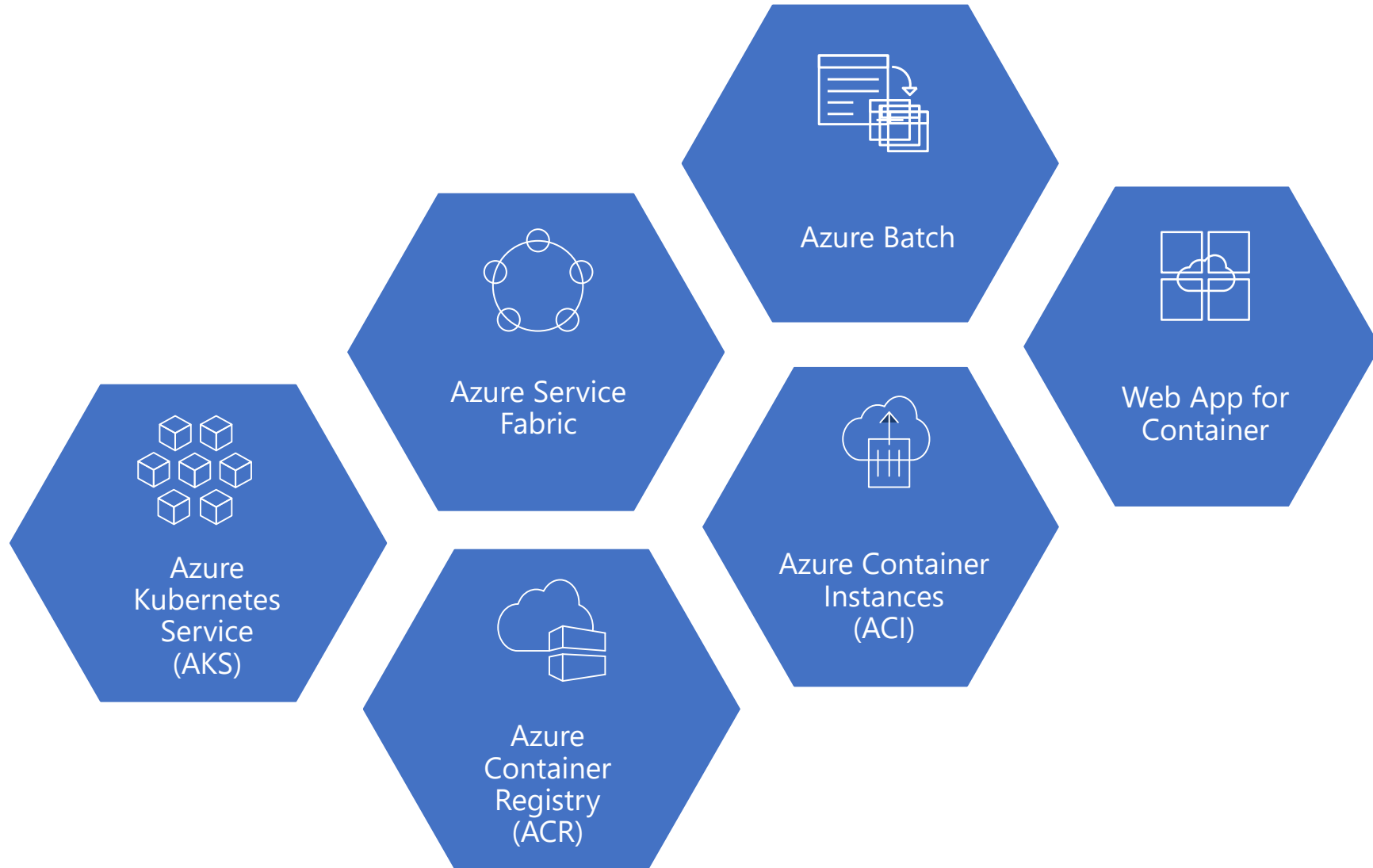
Docker Images

Docker Containers

Docker Registry

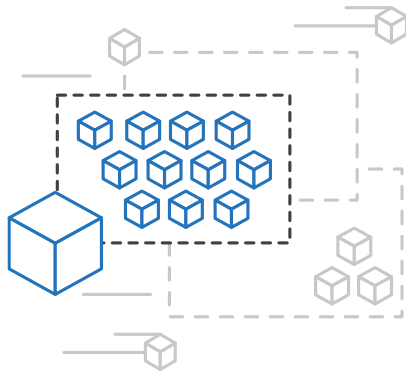
Image source: internet

Containers on Azure

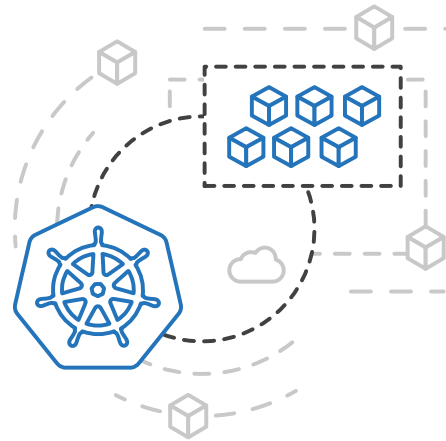


Azure Container Instances

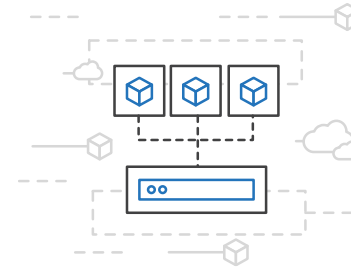
Easily run serverless containers



Run containers
without managing
servers



Containers as a primitive
billed per second



Secure applications with
hypervisor isolation



Azure App Service

Quickly build, deploy and scale powerful cloud applications
without worrying about infrastructure



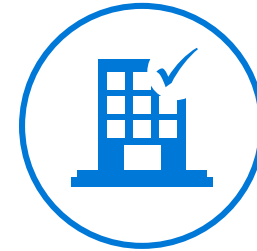
High productivity

Accelerate development using existing language skills, familiar frameworks, built-in CI/CD, and intelligent diagnostic capabilities



Fully managed

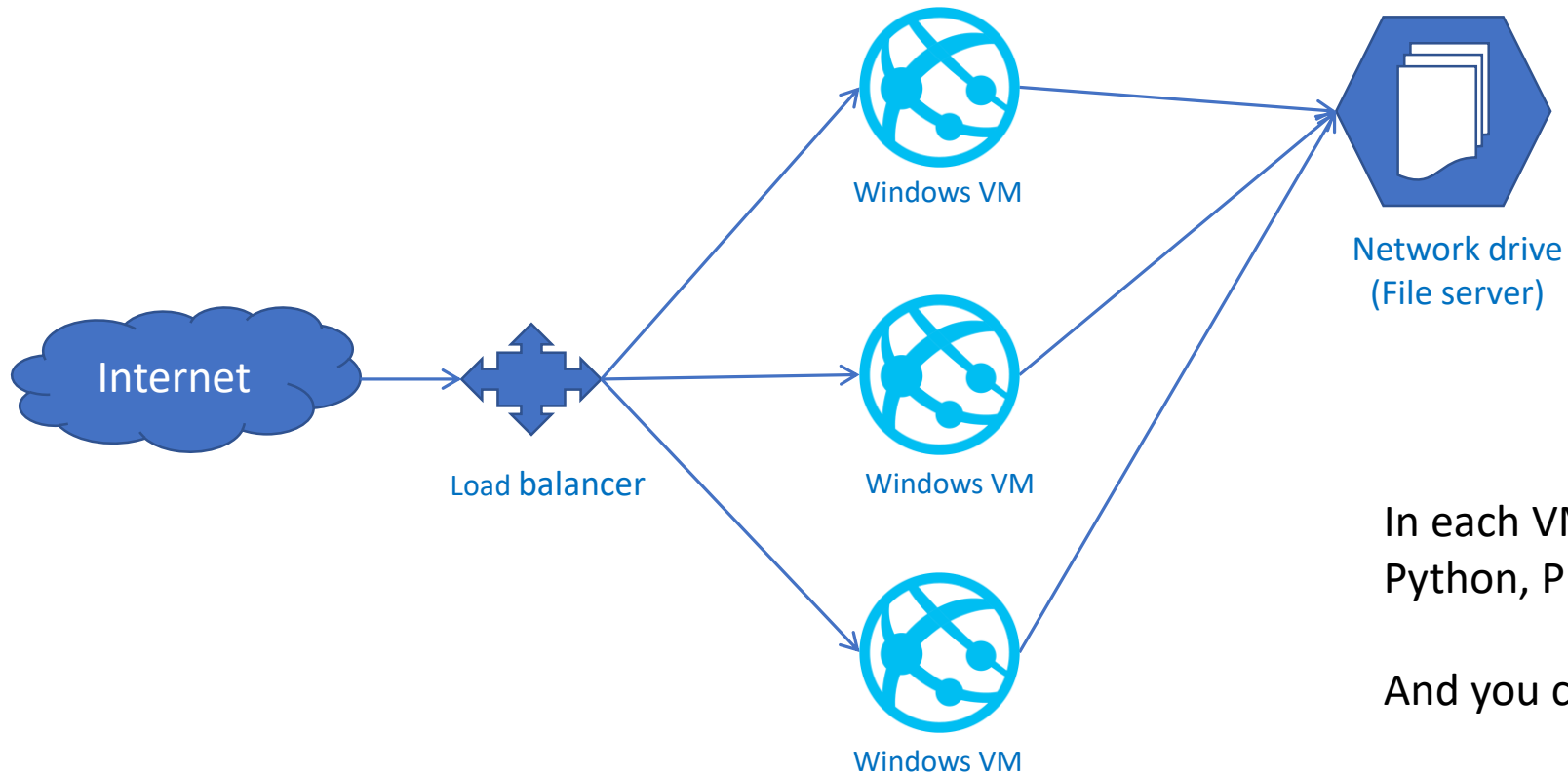
Focus on application logic and let Azure take care of mundane tasks like capacity provisioning, OS patching, scaling, load balancing and domain management



Enterprise grade

Meet rigorous performance, security and compliance requirements through a choice of hosting options, robust regulation support and MSI integration

Inside Web App Architecture



In each VM you have Java, Nodejs, Python, PHP, .NET installed.

And you cannot control the VM

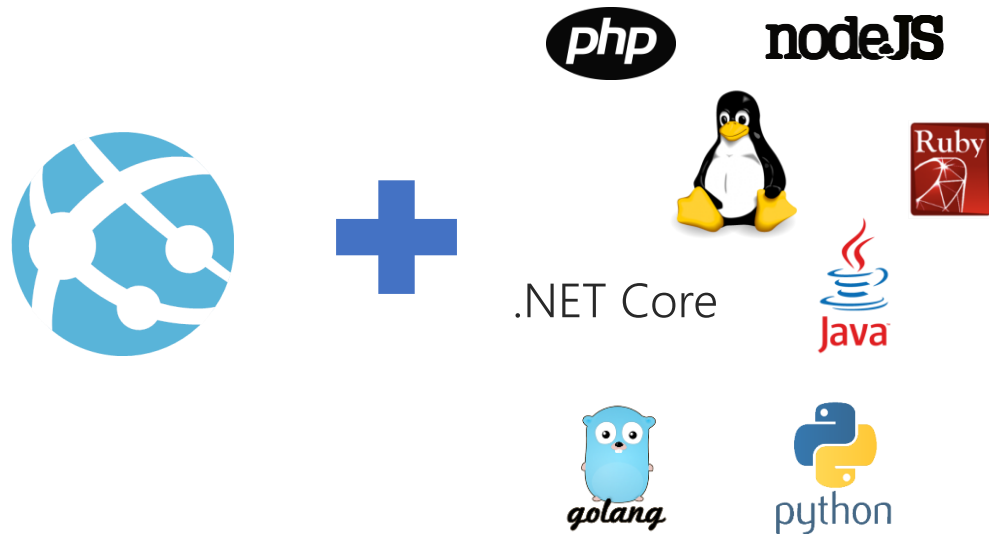
Microsoft  Linux



**OPEN
SOURCE**

Web App comes to Linux (container support)

Bring your code



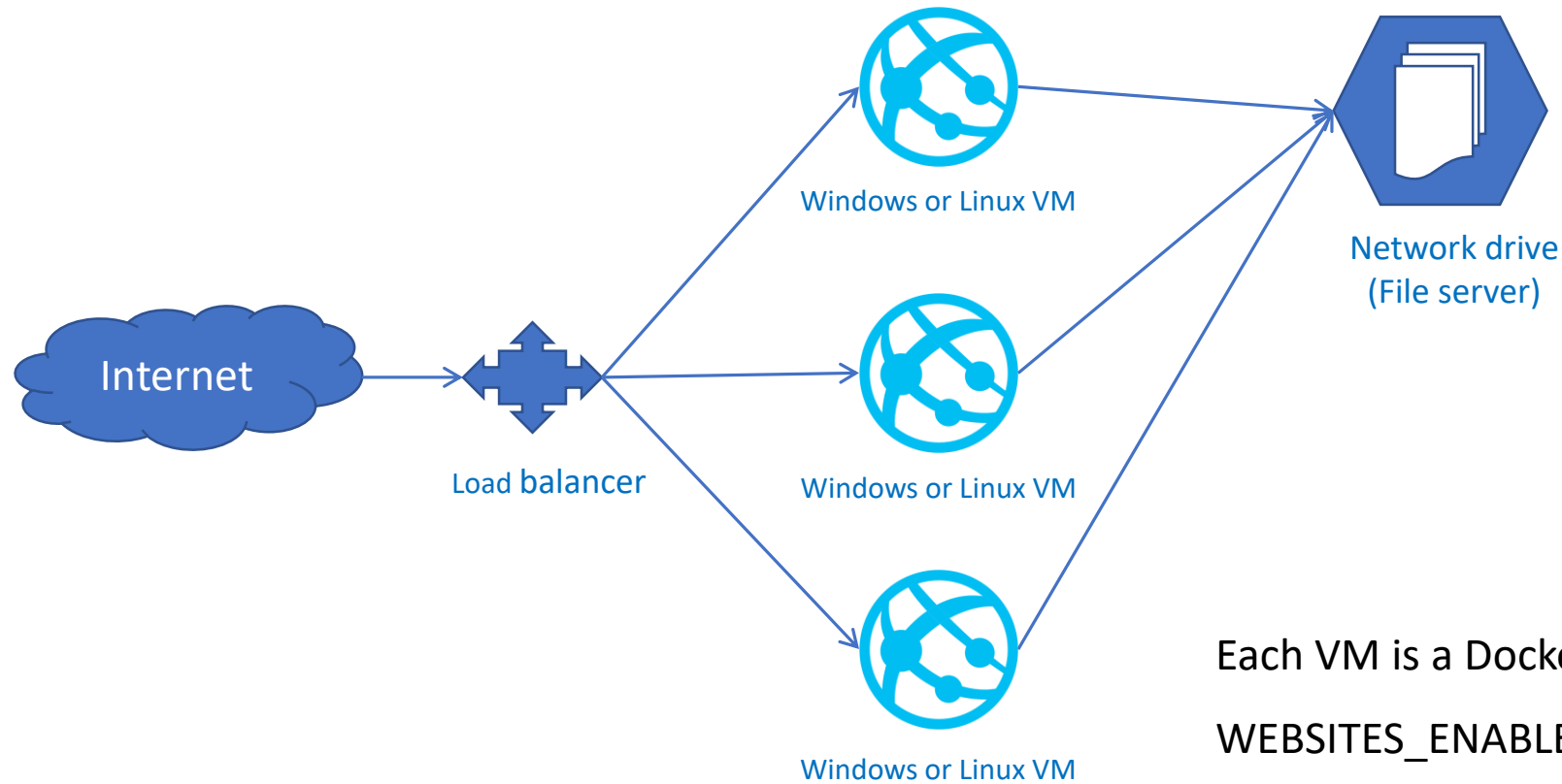
Bring your container



Web App for Containers

- ✓ Deploy to Azure in seconds
- ✓ Scale easily on demand
- ✓ Designed for your agile web development needs

Web App For Container



Each VM is a Docker Host

WEBSITES_ENABLE_APP_SERVICE_STORAGE

Built-in images <https://github.com/azure-app-service>



<https://www.facebook.com/devcafevn/>

<https://github.com/devcafevn/>

<https://www.slideshare.net/devcafevn>