Automate Azure DNS Config

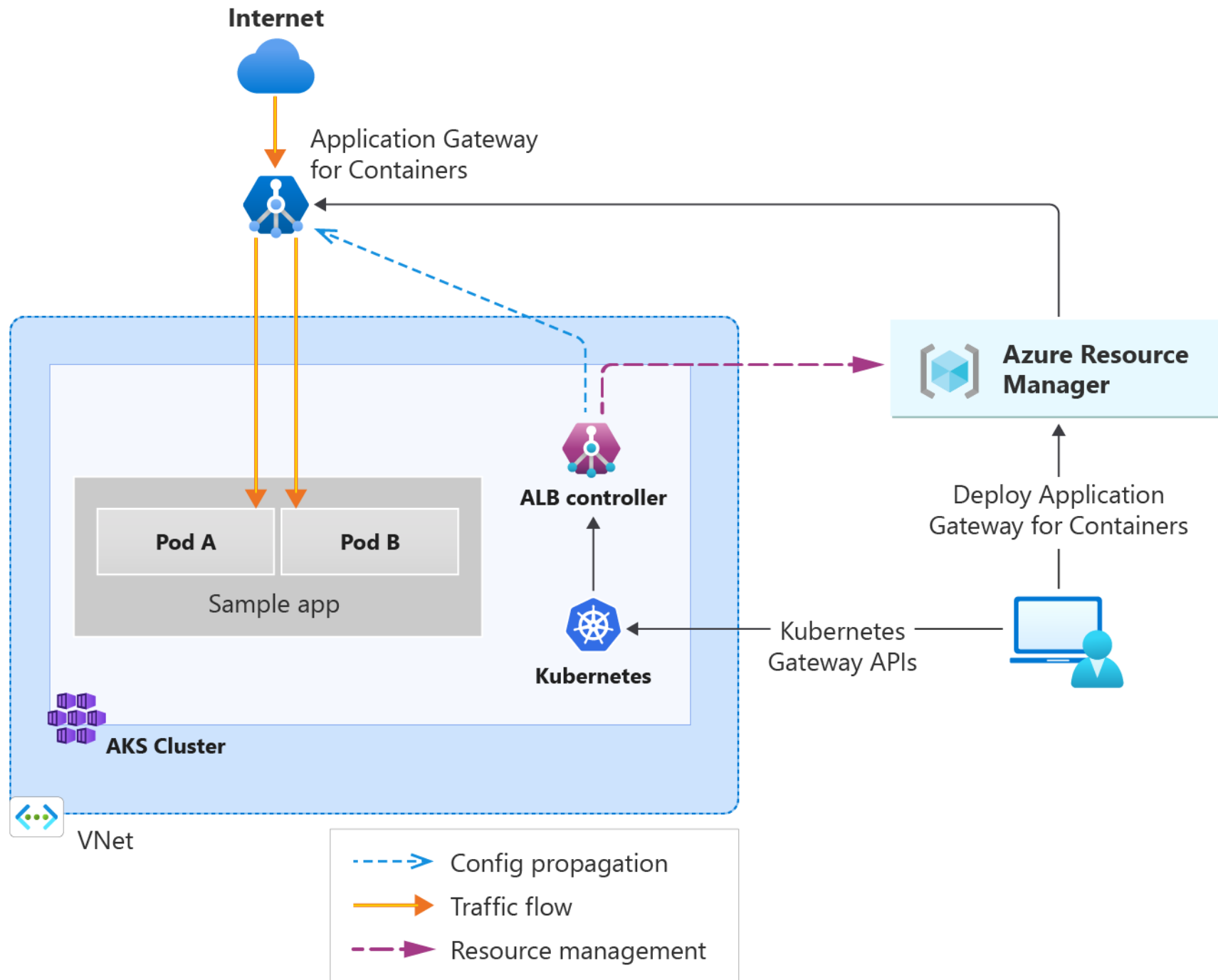# Agenda

1. Quick introduction to Gateway hostname

2. Overview CNAMES and use cases

3. Automatically create/update records

Internet

Application Gateway
for Containers

Azure Resource Manager

ALB controller

Pod A   **Pod B**

Sample app

Kubernetes

Kubernetes
Gateway APIs

Deploy Application
Gateway for Containers

AKS Cluster

VNet

- - - ▷ Config propagation
────▷ Traffic flow
─ ─ ▷ Resource management

Application Gateway for Containers

Each Gateway has a hostname

Configure CNAME Record to point to hostname

programmingwithwolfgang.com | Recordsets ☆ ⋯

DNS zone

- DNS Overview
- Activity log
- Access control (IAM)
- Tags
- Diagnose and solve problems
- Resource visualizer
- ∨ Settings
  - Locks
  - Properties
- ∨ DNS Management
  - **Recordsets**
  - DNSSEC
- ∨ Monitoring
  - Alerts
  - Metrics

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A record set is a collection of records in a zone that have the same name and are the same type. You can search for record sets that have been loaded on this page. If you don't see what you're looking for, you can try scrolling to allow more record sets to load. Learn more

gkg9apgzcpd3gchp

Showing 10 record set(s) out of total of 22 record set(s) currently fetched.

customer	CNAME	3600	gkg9apgzcpd3gchp.fz65.alb.azure.com
*.customer	CNAME	3600	gkg9apgzcpd3gchp.fz65.alb.azure.com
kedademo	CNAME	3600	gkg9apgzcpd3gchp.fz65.alb.azure.com
*.kedademo	CNAME	3600	gkg9apgzcpd3gchp.fz65.alb.azure.com
nginx	CNAME	3600	gkg9apgzcpd3gchp.fz65.alb.azure.com
order	CNAME	3600	gkg9apgzcpd3gchp.fz65.alb.azure.com

Use Cases

Access applications with URL

Automatically create TLS certificates to enable HTTPS

Automatically create URLs for PR deployment

Demo