

# Securing Container Apps

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# Securing Container Apps

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- Container Apps offer various mechanisms to improve security
- Same mechanisms found in other services
- Improve network and access security
- We'll review these mechanisms in this section

# Ingress

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- Controls incoming traffic to the container app
- By default allows external traffic with no limitations
- Can be set to allow only internal traffic
  - Between other container apps in the same environment
- Great for services that should be called only from other services

# Ingress

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- Can allow only specific IP addresses to access the service
- Similar to Access Restrictions in App Services

# Authentication

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- Authentication can be added to the container app
- Requires user authentication in order to access the app
- Supports multiple identity providers
- Similar to authentication in App Services

# Managed Identity

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- Container Apps can have their own managed identity
- Can be used when accessing other resources such as database, keyvaults and more
- Used exactly the same as with other services

# DEMO

- We'll demonstrate managed identity on the Info API
- We don't really need it there, we'll do it just for demonstration purposes
- Go to the Info app
- Add system assigned managed identity
- Show the new identity

# Additional Security Controls

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- Add Application Gateway + WAF in front of the Container App
- Use existing VNet, configure NSG
- Store secrets in the Container App's Secrets and not in code