Sponsors

PLATINUM

Office line
envision . empower . evolve

GOLD

Microsoft

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InTTrust
Information Technology Trust

OBRELA
SECURITY INDUSTRIES

f performance | vmware

LANCOM
Data Center - Cloud Service Provider

SILVER

agile actors

ALEF

BlueStream
solutions

SUPPORTERS

Greek Scrum User Group
Endorsed by Scrum Alliance

PMI Project Management Institute. Greece

12 PM Project Management Services

CONTRIBUTORS

CANDI

fullcounter

ADAPTERA
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COMMUNITIES

autoexec.gr

dotNETZone.gr

SQLschool.gr

AzureHeads

ATHENS Supported by Ministry of Testing

Microsoft Learn Student Ambassador

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Hotelier ITPros

CLOUD EXPERT Certified

MEDIA SPONSORS

ΘΕΜΑ

it security
PROFESSIONAL

AGENDA

- Presentation
- Azure Kubernetes Services
- Application Gateway / Web Application Firewall
- Ingress Controller
- Let's Encrypt
- Questions

Presentation

- Florent Appointaire
- florent@falaconsulting.be
- Microsoft MVP Azure (5 times)
- Azure Solutions Architect
- Speaker (MMSMOA, DevDay, aOS, ExpertsLive, Scottish Summit, Azure Advent Calendar, Feste Tech Calendar, etc.)
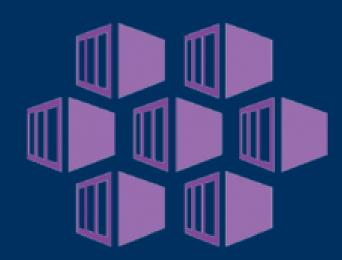- https://cloudyjourney.fr
- @florent_app

Azure Kubernetes Services

AKS

- Deployment method:
  - Azure CLI
  - PowerShell
  - Azure Portal
- Kubernetes service, PaaS, managed by Microsoft
- Auto scaling
- Deployment of Service Principal, network, load-balancer, route table, NSG, public IP and VMSS
- Update following releases of Microsoft
- Automatic patching of nodes available
- Kubectl to manage the cluster
- Cost: VMs only

DEMO

Azure Application Gateway / Web Application Firewall

App Gateway / WAF

- Deployment method:
  - Azure CLI
  - PowerShell
  - Azure Portal
- Port 80/443 only
- WAF with rules customization
  - Detection / Prevention
- Cost: 285€/month
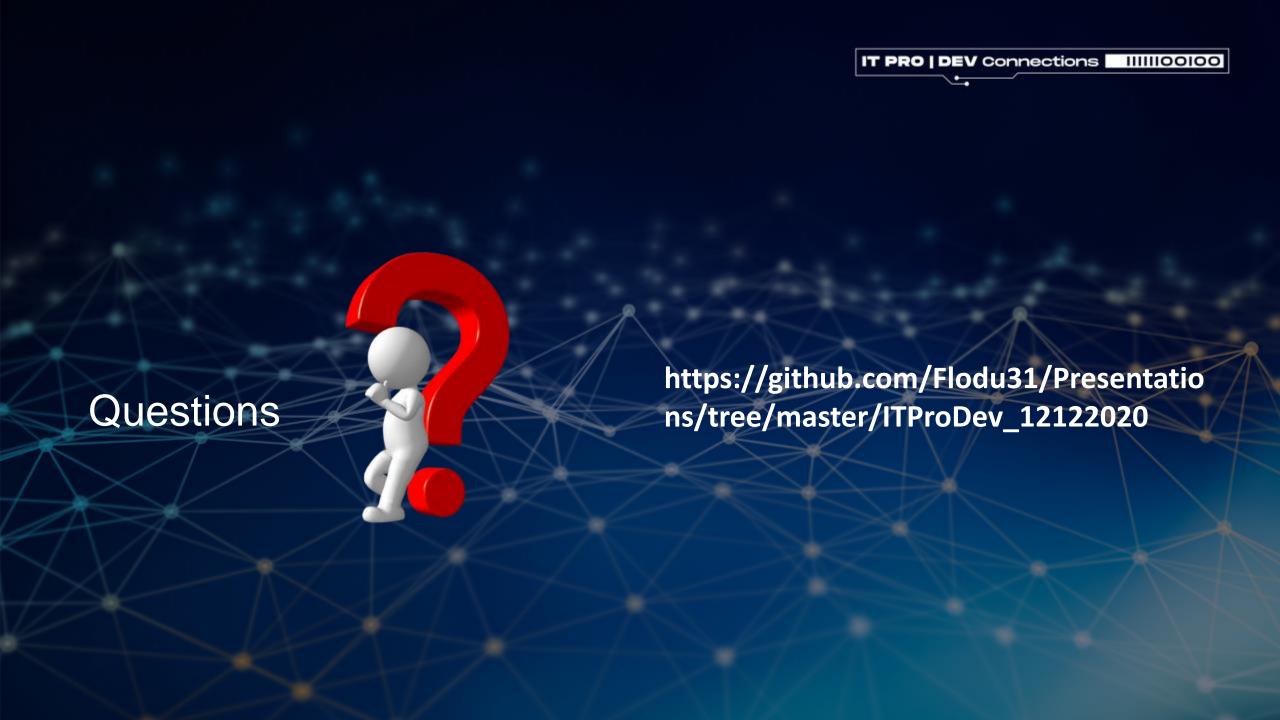
DEMO

Ingress Controller

Ingress Controller

- Via App Gateway
- New deployment type in Preview
- Pods deployment on AKS to do the communication with App Gateway
- Managed identity to manage permissions and rights
- Integration in the YAML with annotations
- Cost: 0€ ☺

Let's Encrypt

Let's Encrypt

- Integration with App Gateway and AKS

- Cert-Manager

- Let's Encrypt
  - Certificate available 3 months
  - Automatic renewal
  - Website protected with SSL certificate

- Integration in the YAML with annotations

- Cost: 0€ ☺

DEMO

Questions

https://github.com/Flodu31/Presentations/tree/master/ITProDev_12122020

MERRY CHRISTMAS
AND A HAPPY NEW YEAR!