Azure Application Gateway

FLORENT APPOINTAIRE – 18/12/2019

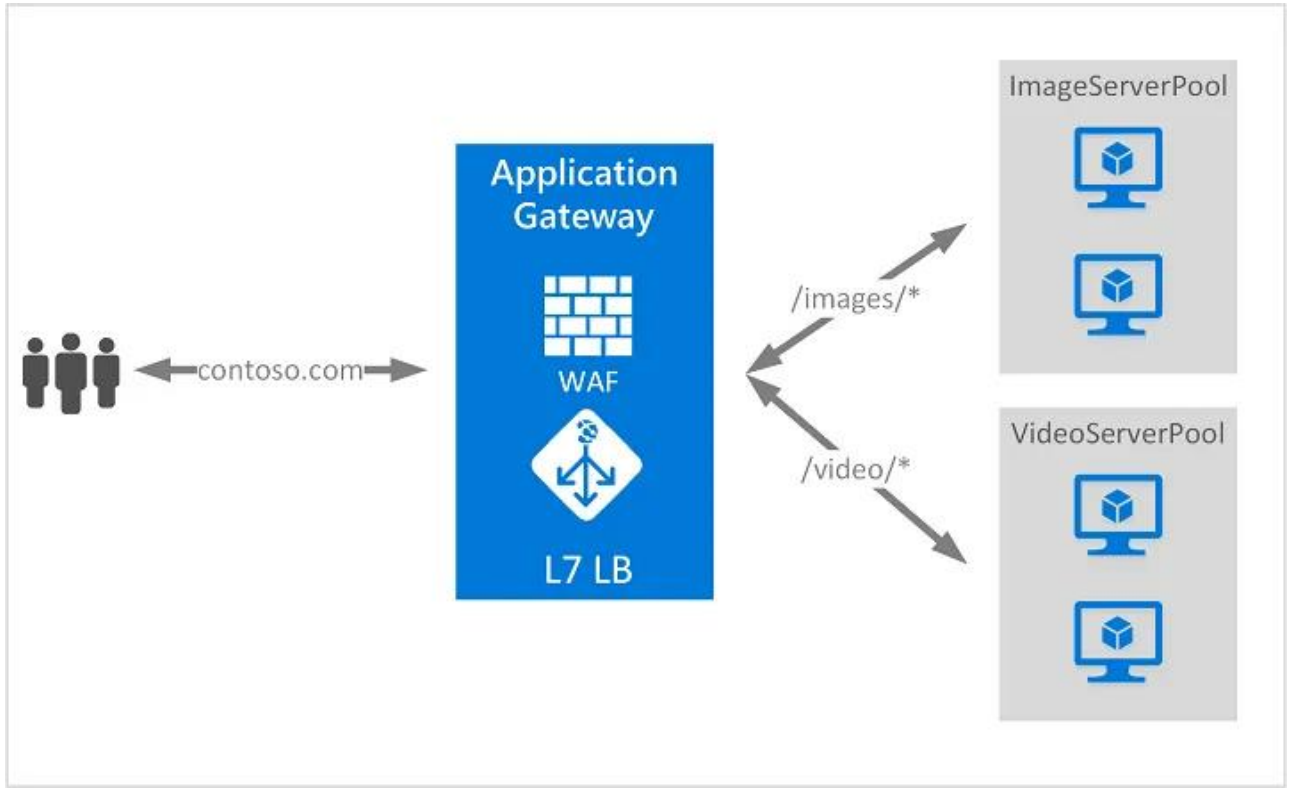
Agenda

- Presentation
- What's Azure App Gateway?
- How it works?
- How to use it?
- Demo ☺

Who am I?

- Florent Appointaire
- Freelance in Belgium
- Microsoft MVP Azure (4 times)
- Azure Solution Architect certified
- World wide speaker (ELEU, ELNL, MMS, aOS, etc.)
- @florent_app
- https://cloudyjourney.fr

What's Azure App Gateway?



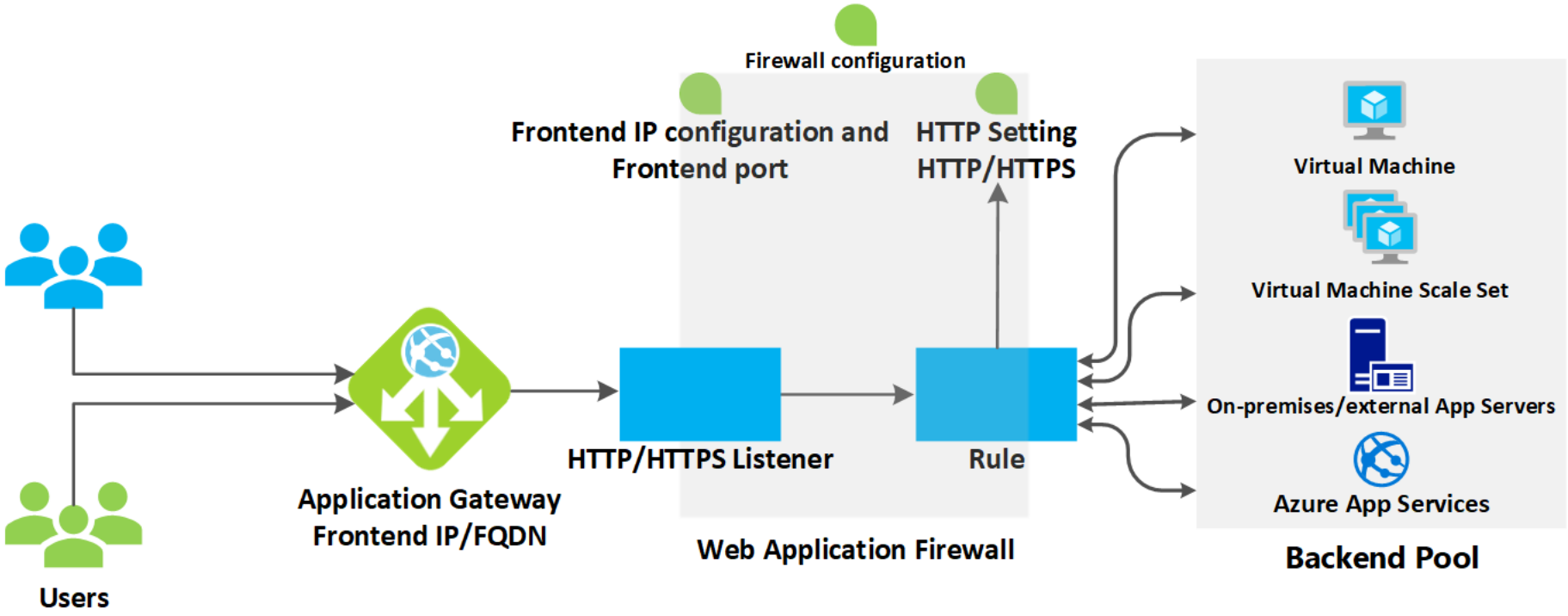
What's Azure App Gateway?

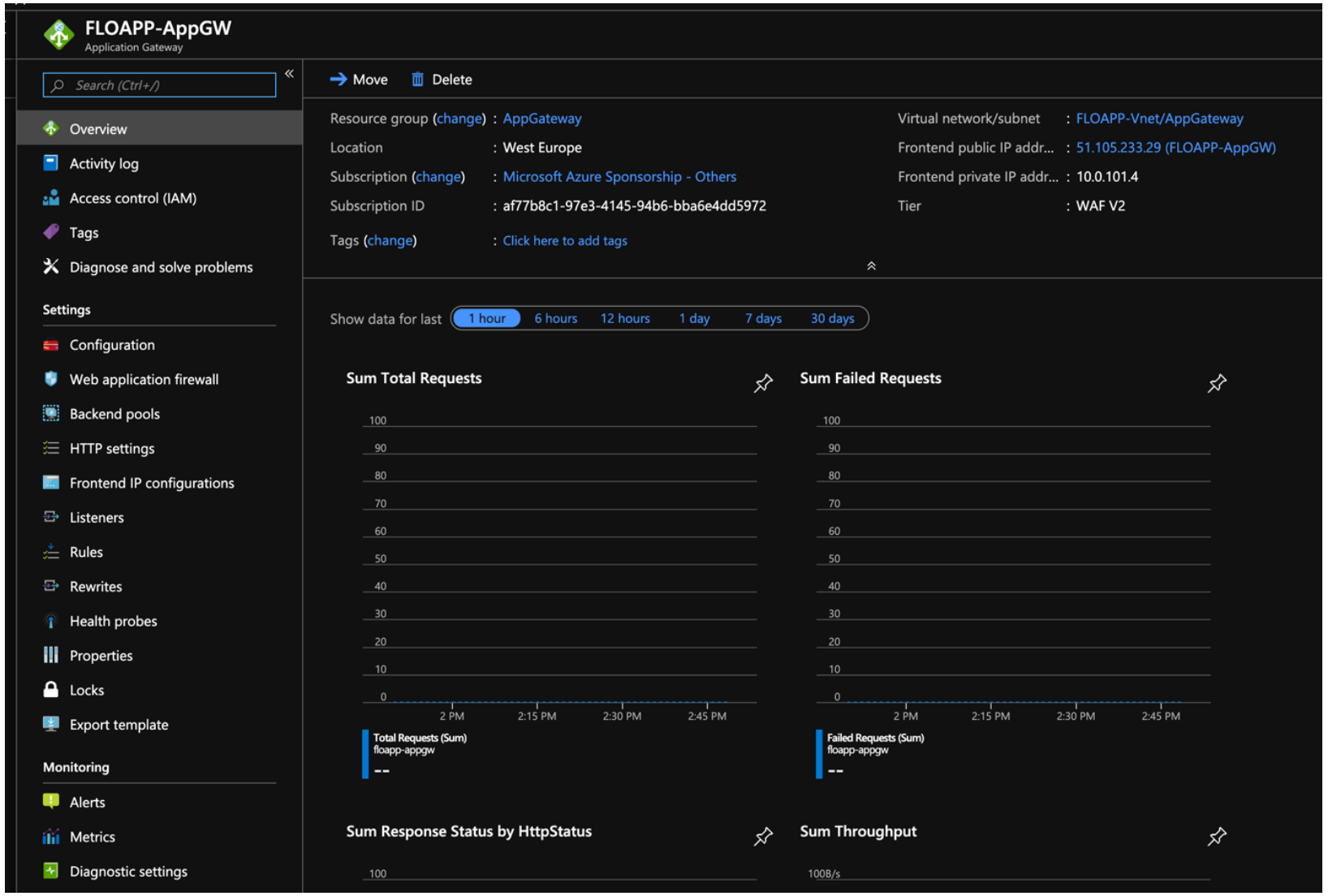
- Easy to deploy
- Easy to manage
- Pricing:

	APPLICATION GATEWAY	WEB APPLICATION FIREWALL APPLICATION GATEWAY
Fixed	€0.2193 per gateway-hour	€0.3947 per gateway-hour
Capacity Unit[1]	€0.0068 per capacity unit-hour	€0.0122 per capacity unit-hour

- More information here: https://docs.microsoft.com/en-us/azure/application-gateway/overview

How it works?


Firewall configuration
Frontend IP configuration and
Frontend port
HTTP Setting
HTTP/HTTPS
Virtual Machine
Virtual Machine Scale Set
On-premises/external App Servers
Azure App Services
Backend Pool
Users
Application Gateway
Frontend IP/FQDN
HTTP/HTTPS Listener
Rule
Web Application Firewall


FLOAPP-AppGW
Application Gateway
Search (Ctrl+/)
Move
Delete
Overview
Activity log
Access control (IAM)
Tags
Diagnose and solve problems
Settings
Configuration
Web application firewall
Backend pools
HTTP settings
Frontend IP configurations
Listeners
Rules
Rewrites
Health probes
Properties
Locks
Export template
Monitoring
Alerts
Metrics
Diagnostic settings
Resource group (change) : AppGateway
Location : West Europe
Subscription (change) : Microsoft Azure Sponsorship - Others
Subscription ID : af77b8c1-97e3-4145-94b6-bba6e4dd5972
Tags (change) : Click here to add tags
Virtual network/subnet : FLOAPP-Vnet/AppGateway
Frontend public IP addr... : 51.105.233.29 (FLOAPP-AppGW)
Frontend private IP addr... : 10.0.101.4
Tier : WAF V2
Show data for last
1 hour
6 hours
12 hours
1 day
7 days
30 days
Sum Total Requests
Sum Failed Requests
100
90
80
70
60
50
40
30
20
10
0
2 PM
2:15 PM
2:30 PM
2:45 PM
Total Requests (Sum)
floapp-appgw
--
Failed Requests (Sum)
floapp-appgw
--
Sum Response Status by HttpStatus
Sum Throughput
100B/s

How to use it?

LIVE DEMO