DEMO ENVIRONMENT

Quick Summary : About the Labs

Summary

- Self-service testing of F5 LTM and ASM (WAF) in AWS

- Includes Docker install and automated build of F5 LTM (HA mode) and ASM (Auto Scale)
  - Automates entire build process with creation of VPCs, Security Groups, F5 VEs
  - Purge and repurpose the instances with a single command

- User runs multiple use cases for:
  - testing HA deployment of F5 LTM, auto scale of F5 ASM (WAF),
  - ASM functionality / advanced protection scenarios
    - SQL Injection, other OWASP vulnerabilities,
    - BoT, Proactive BoT, DoS & Brute Force Protection,
    - App Level Encryption

About the environment

Lab Guide available at - https://github.com/gagandelouri/f5-gd-public-cloud-labs-waf/

ASM Use Cases

Postman Scripts

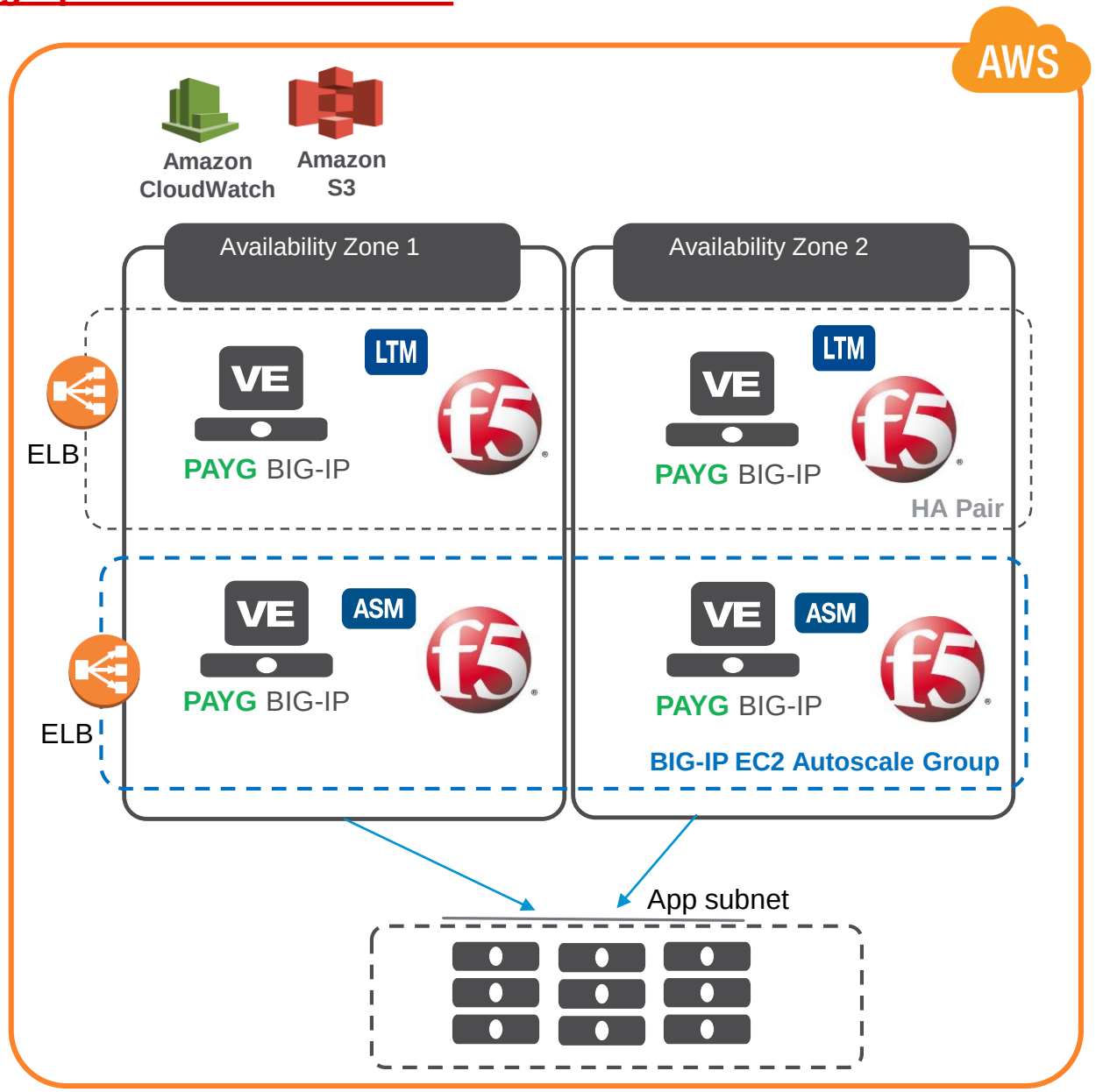
Ansible

List of Use Cases to test

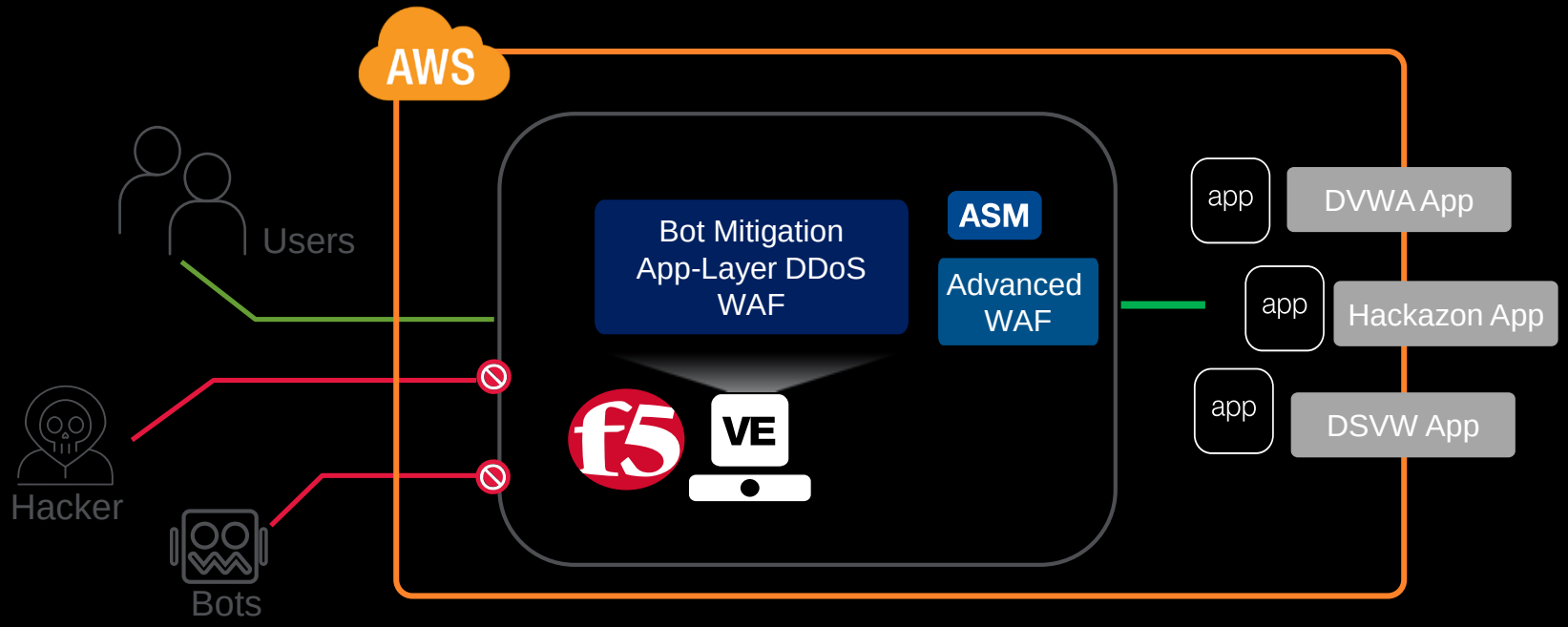
User's Ubuntu / Centos Image

F5 Super-Net-Ops Container

Terraform, AWS CFT, AWS CLI



ASM and Advanced WAF – Use Cases



Web Application Firewall (WAF)

ASM
- Bot Mitigation
- Web Scraping
- L7 DDoS mitigation
- Data Leakage
- ISO Compliance
- OWASP Top 10

Advanced WAF
- App-level encryption
- Anti Bot Mobile SDK
- Credential Stuffing

Use Case	Test Type
SQL Injection / other OWASP Mitigation	Ansible
BoT Protection	Postman
Proactive BoT / DoS / Brute Force Protection	
App-level Encryption	

Lab Guide:

https://github.com/gagandelouri/f5-gd-public-cloud-labs-waf/

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