#CyberCamp19 **Entornos** SecDevOps Dockerizados 2019 THE FAMILIAS TECHNICAS



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- 1. Autodidacta
- 2. Desarrollador de Software
- 3. SecDevOps
- 4. Co-Organizador de HackMadrid%27
- 5. Miembro del equipo de FlagHunters
- 6. Amante del Hacking y la Seguridad informática
- 7. Amante de la tecnología
- 8. Defensor de la democratización de la tecnología la mejora de la sociedad

Redes

Instragram, Twitter, Telegram, Github

@spectertj



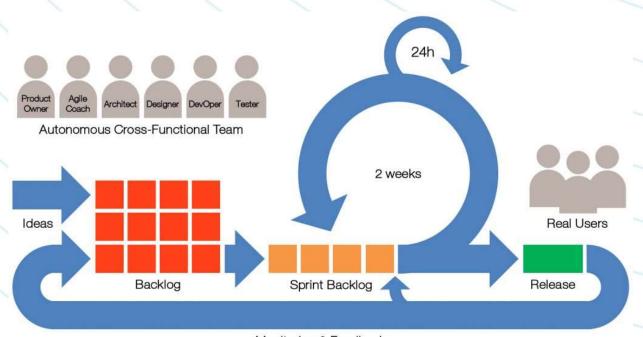








Flujo del agilismo



Monitoring & Feedback









Transición



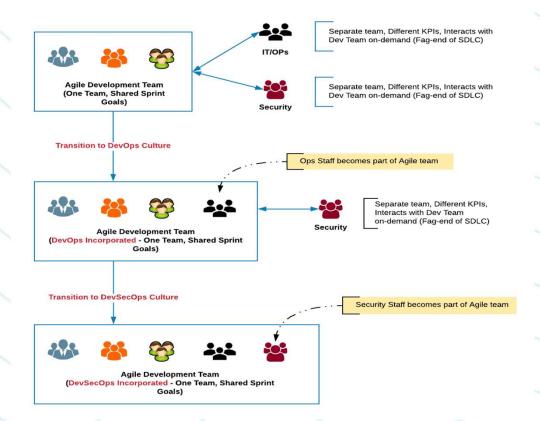














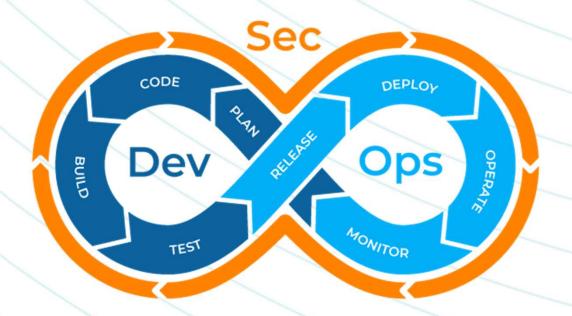








SecDevOps(DevSecOps)







#CyberCamp19



Cultura DevOps y contenerización

Antonio Juanilla(Specter)







Cultura DevOps y contenerización











Imágenes Usadas









Gitea

Jenkins

Nginx

Owasp/Sonarqube

Traefik:v1.7

Portainer

Swarmpit

stefanprodan/swarmprom-grafana:5.3.4

ELK stack y filebeat:7.4.1









Comandos iniciales









Docker pull
Docker ps -a
Docker image Is
Docker swarm init

Docker stack deploy –c archivo.yml nombre de servicio

Docker stack ps servicio

Docker swarm join {token}

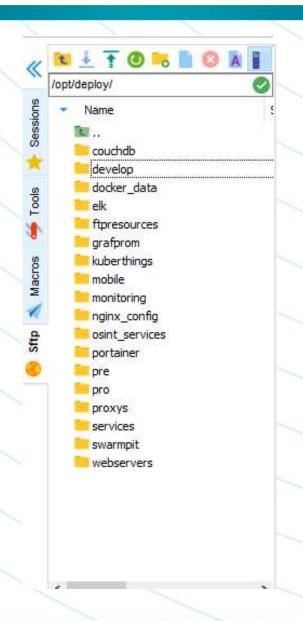








Organización



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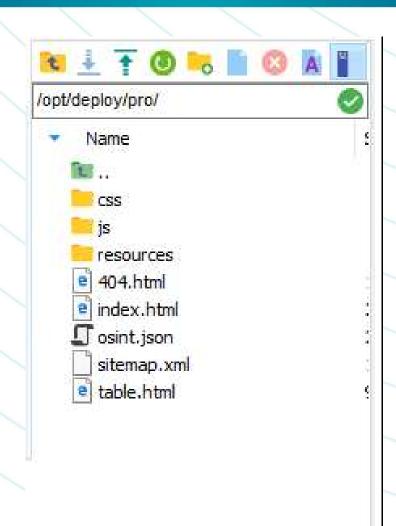








Organización









Docker-compose.yml

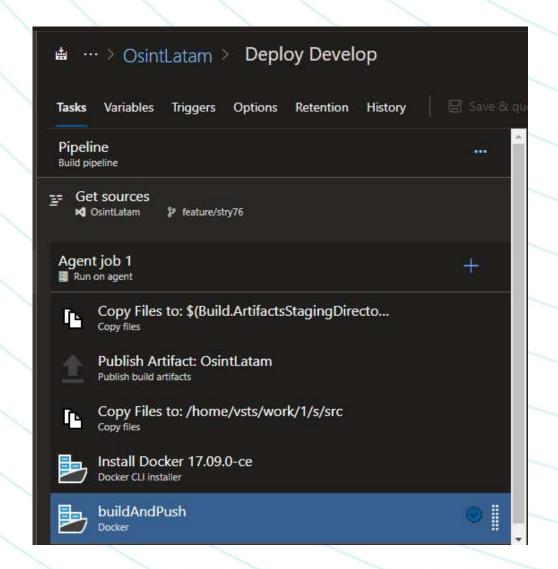
```
version: '3.3'
services:
  dev:
    image: registry.gitlab.com/cyberitosint/osintlatam/framework-web:latest
    networks:
     - osint-net
     - traefik-public
     - default
    logging:
      driver: json-file
    deploy:
      labels:
        traefik.tags: traefik-public
        traefik.redirectorservice.frontend.redirect.entryPoint: https
        traefik.webservice.frontend.entryPoints: https
        traefik.redirectorservice.frontend.entryPoints: http
        traefik.docker.network: traefik-public
        traefik.enable: 'true'
        traefik.port: '80'
        traefik.frontend.rule: Host:dev.ciberinteligencia-osintlatinoamerica.com
      restart policy:
        condition: on-failure
      resources:
        limits:
          cpus: '0.1'
          memory: 500M
  mobile:
    image: nginx:latest
    volumes:
     - /opt/deploy/mobile:/usr/share/nginx/html:ro
    networks:
     - osint-net
     - traefik-public
     - default
      driver: json-file
```







Pipeline









Pipeline.yml

```
← OsintLatam CI
₽ master ∨
               ♦ OsintLatam / azure-pipelines.yml
      trigger:
       - pre
       name: Hosted VS2017
        - task: SonarSource.sonarqube.15B84CA1-B62F-4A2A-A403-89B77A063157.SonarQubePrepare@4
         displayName: 'Prepare analysis on SonarQube'
         inputs:
        SonarQube: Sonar
           scannerMode: CLI
           configMode: manual
           cliProjectKey: OsintLatam
           cliProjectName: OsintLatam
           cliSources: src/front
```







Pipeline.yml

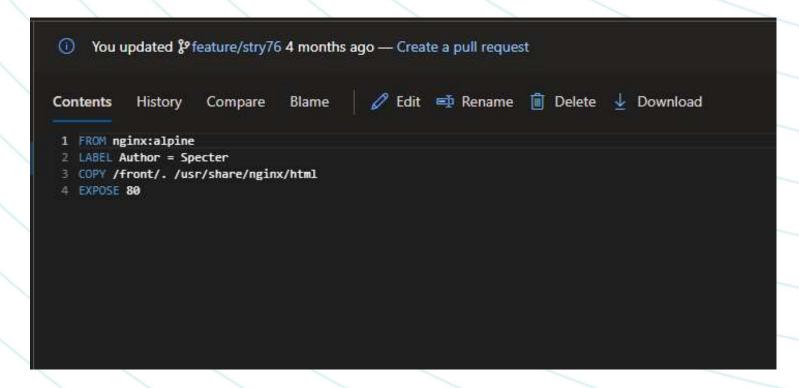
```
← OsintLatam CI
OsintLatam / azure-pipelines.yml
      - job: Development Deploy
       - task: CopyFilesOverSSH@0
         displayName: 'Securely copy files to the remote machine'
           sshEndpoint: 'vps ppal'
           sourceFolder: src/front
          targetFolder: /opt/deploy/develop
       condition: and(succeeded(),eq(variables['Build.SourceBranch'],'refs/heads/develop'))
      - job: PRE Deploy
       - task: CopyFilesOverSSH@0
         displayName: 'Securely copy files to the remote machine'
          sshEndpoint: 'vps ppal'
           sourceFolder: src/front
           targetFolder: /opt/deploy/pre
       condition: and(succeeded(),eq(variables['Build.SourceBranch'],'refs/heads/pre'))
```







Dockerfile









Herramientas contenerizadas









- 1. Portainer
- 2. Swarmpit
- 3. Grafana
- 4. Prometheus
- 5. Nginx
- 6. Traefik

- 1. Elastic Search
- 2. Kibana
- 3. Logstash
- 4. Filebeat
- 5. Sonarqube

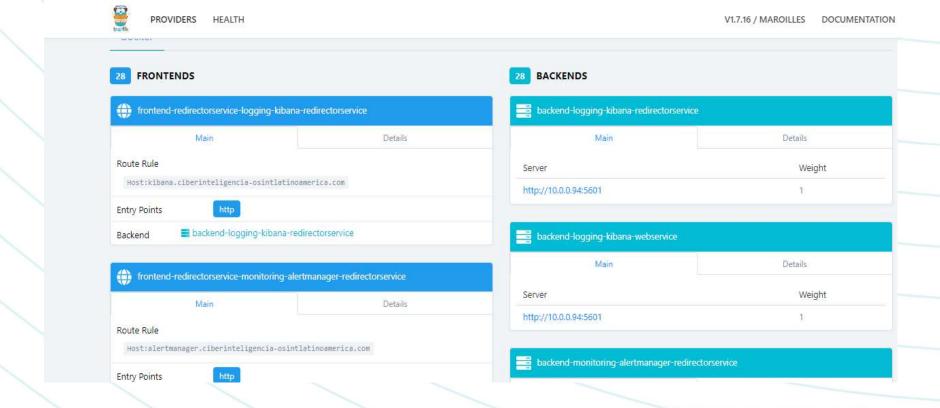






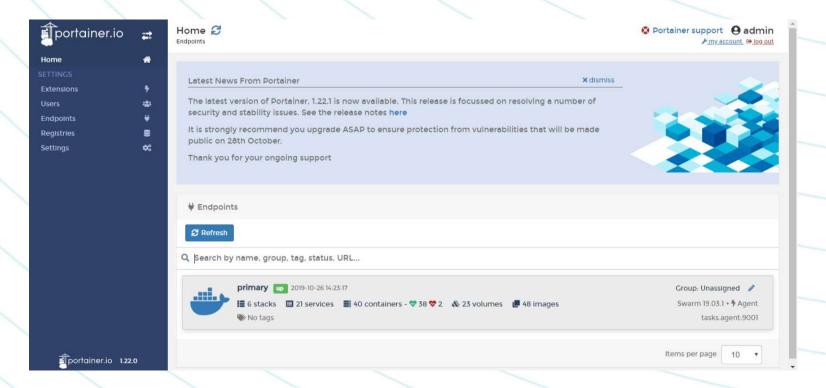


Traefik





Portainer

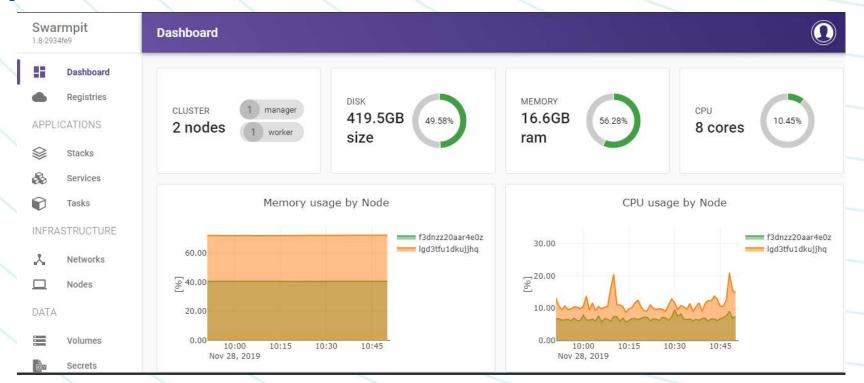








Swarmpit









Grafana

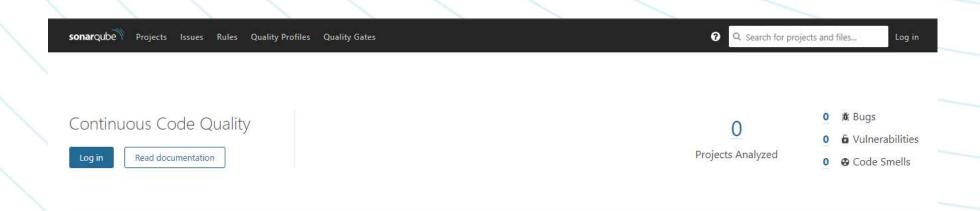








Sonarqube

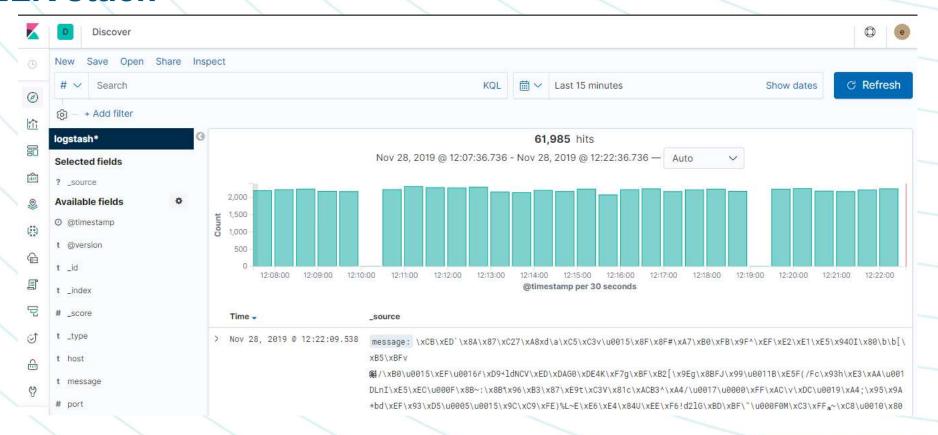








ELK stack







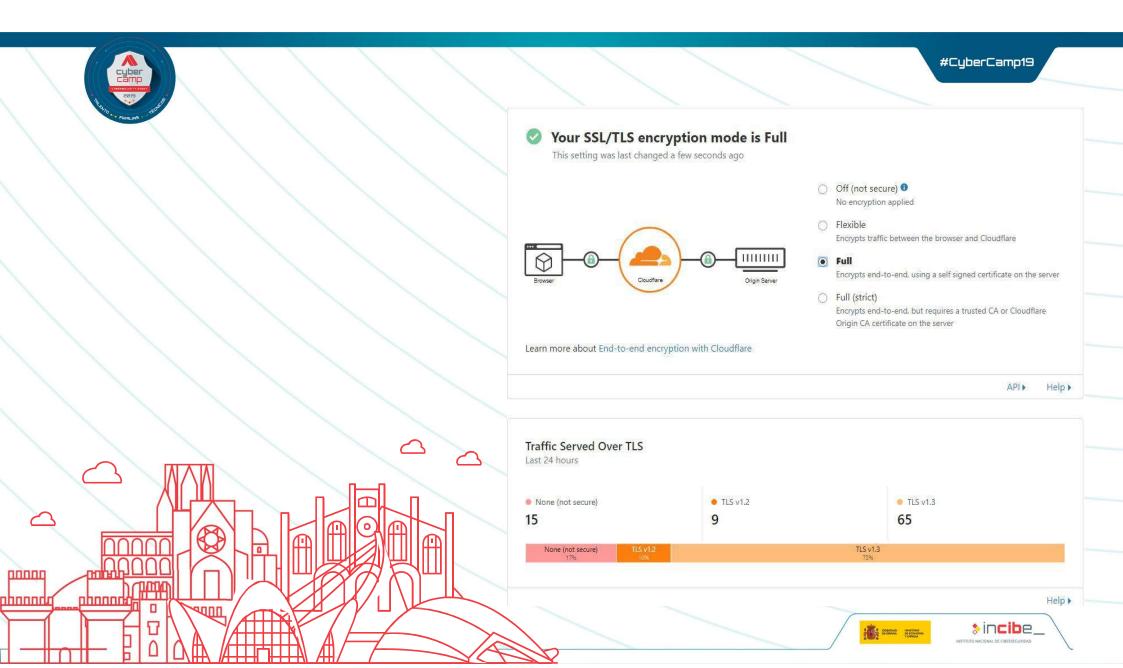


Cloudflare como capa de seguridad











Ejemplo de lo ejercitado

Containers provide volatile data volumes (-v /[hpname]) - Containers are volatile by design (unless commited to a new image) - Data Volumes allow for file sharing among containers Mounts all data volumes (-volumes-from /[hpname]) processes log data and transmits to EWS portal - Stores events, logs, configs, ews token etc. Start containers from images (docker run [...]) EWS config & aggregated logs provided thru host volume /data/ews/ Flags set to disabled for hpfeeds and ware scanning (must be enabled by user **EWS** Dionaea Honeytrap Kippo Glastopf v3 Suricata ELK Dockerfile Dockerfile Dockerfile Dockerfile Dockerfile Dockerfile Build Docker Images with individual Dockerfiles (docker build -t [imagename].) Docker Host @ 4GB RAM, 80GB free diskspace Ubuntu Server 14.04.2, x64 - unattended installation from usb stick SSH service disabled, user / pw = tsec / tsec (forced pw change)







Diapositiva 37

LMB1 Completar con tus perfiles sociales Leticia Morán Barrientos; 13/11/2019