FIRST & AfricaCERT Virtual Symposium for Africa and Arab Regions

# SAHER Cyberthreat supervision platform based on open source tools

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TLP:WHITE







#### SAHER

• Technical Plateform

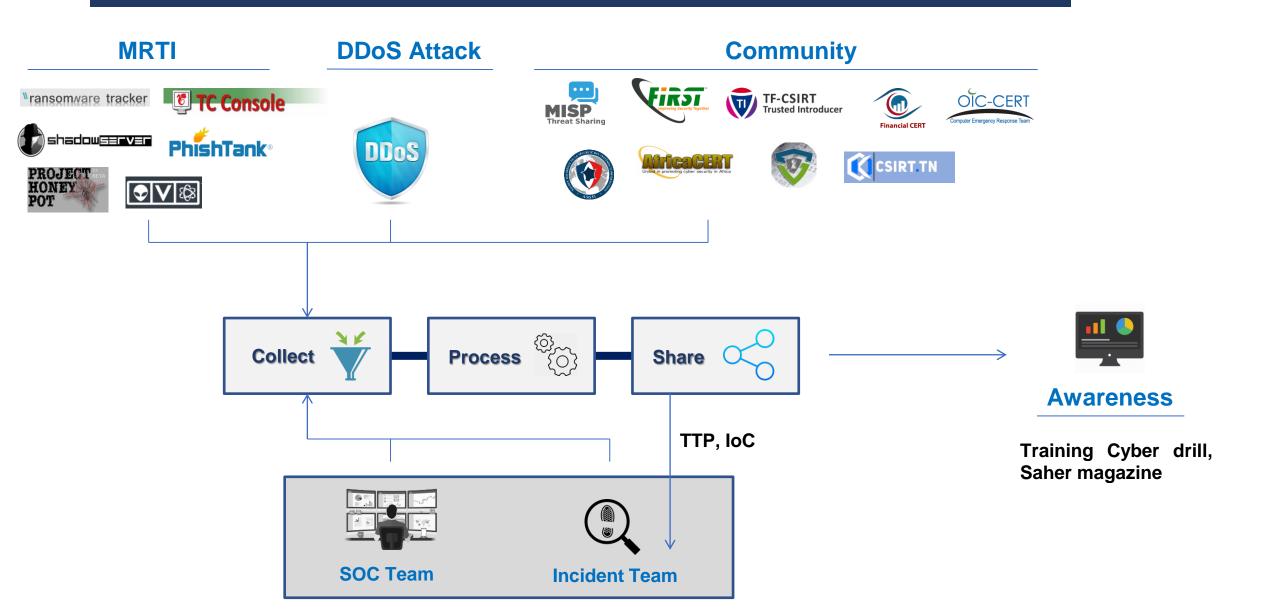
Open Source tools

- Developed by the ISAC team
- Real-time cyber attack monitoring





#### **SAHER architecture**



## SAHER



Services's availability supervision (POP, SMTP, DNS, HTTP...)



IP REPUTATION



Detection of massive attacks (DDoS, Mining, IoT, ...)



Behaviour study of attackers



DDoS Attack

#### **SAHER Tools**

Threat intel

OPENCTI

**Firewall** 



Web SSO



**VPN** 



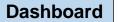


























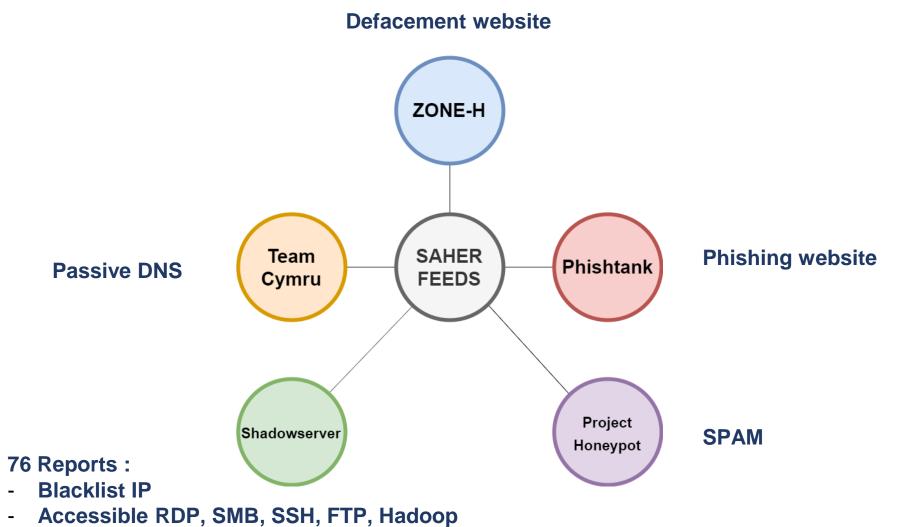




**Doc Sharing** 



#### **SAHER Feeds**



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## SAHER



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**Botnet Detection** 

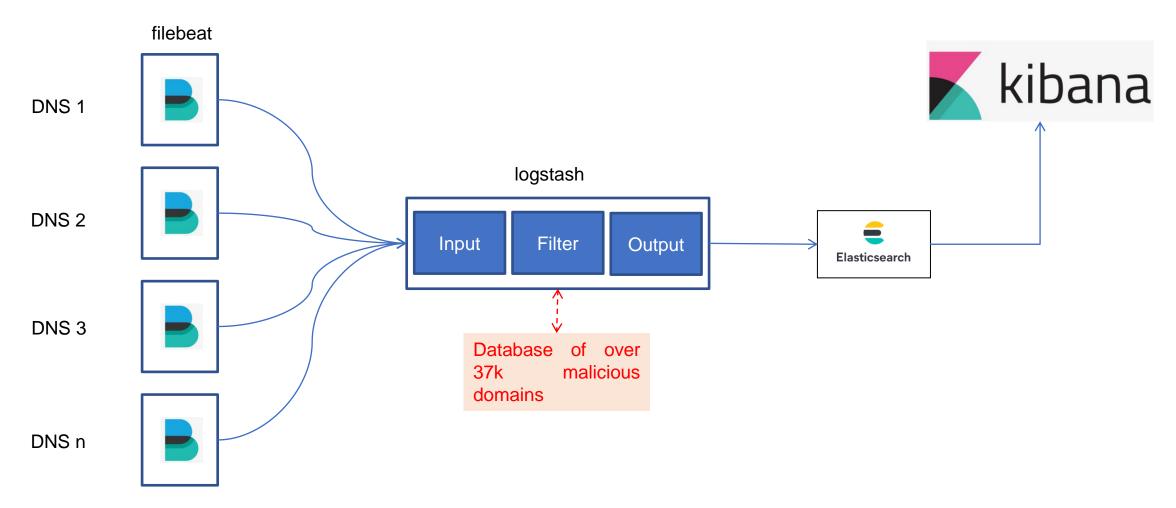


Active Monitoring



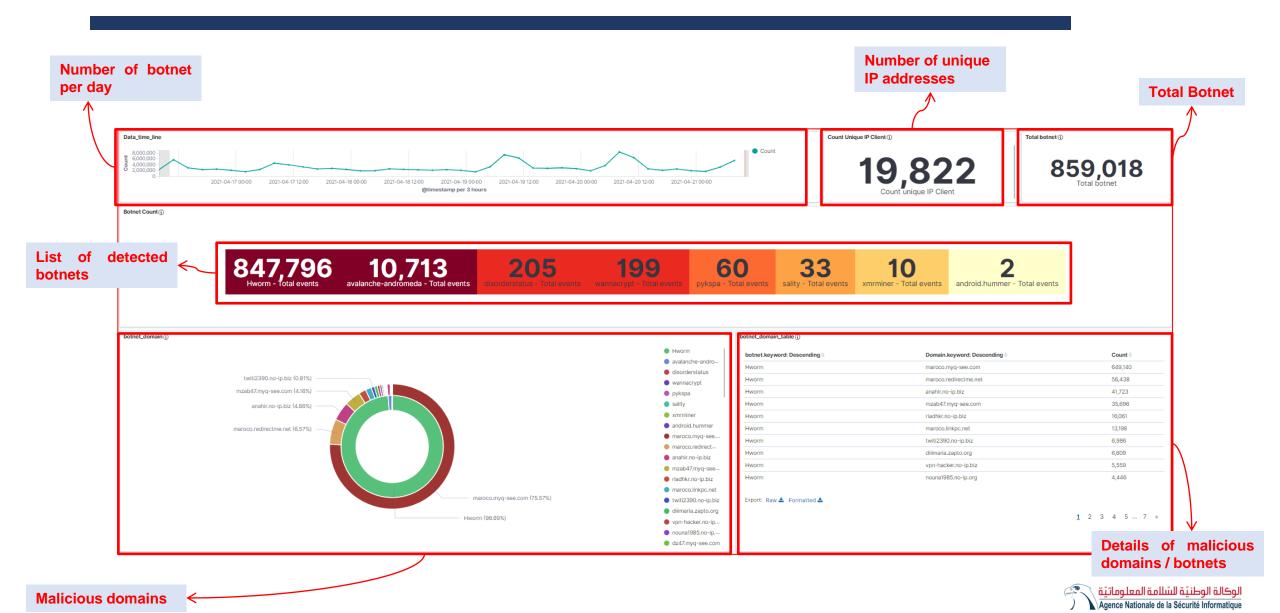
DDoS Attack

### **SAHER:: Botnet detection**

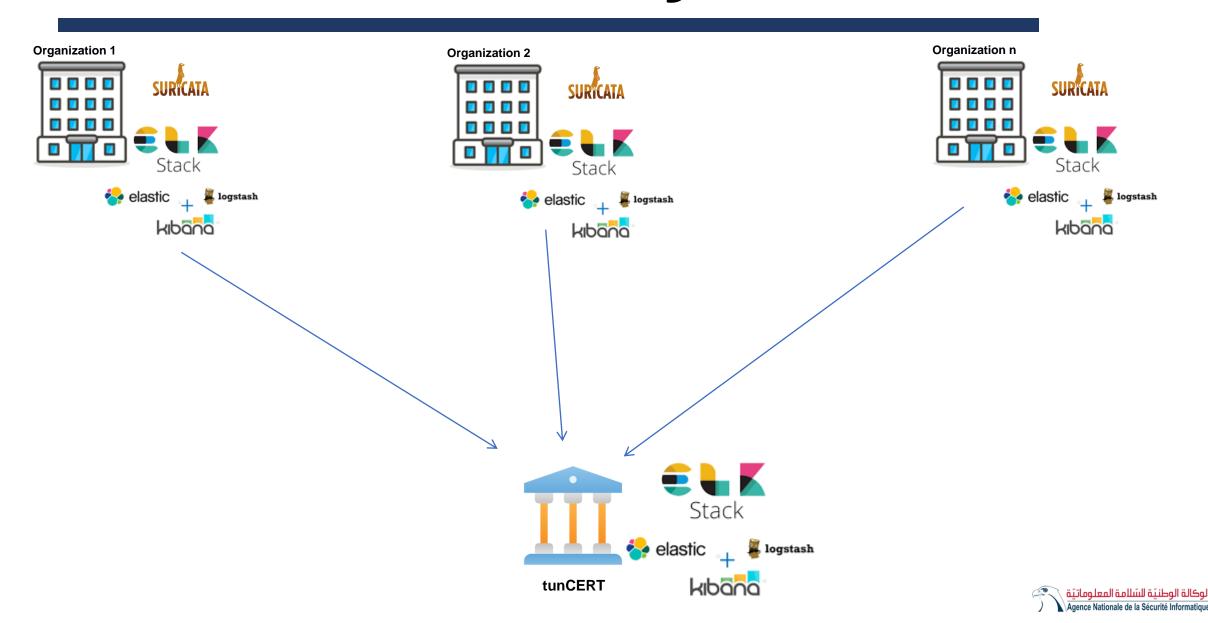




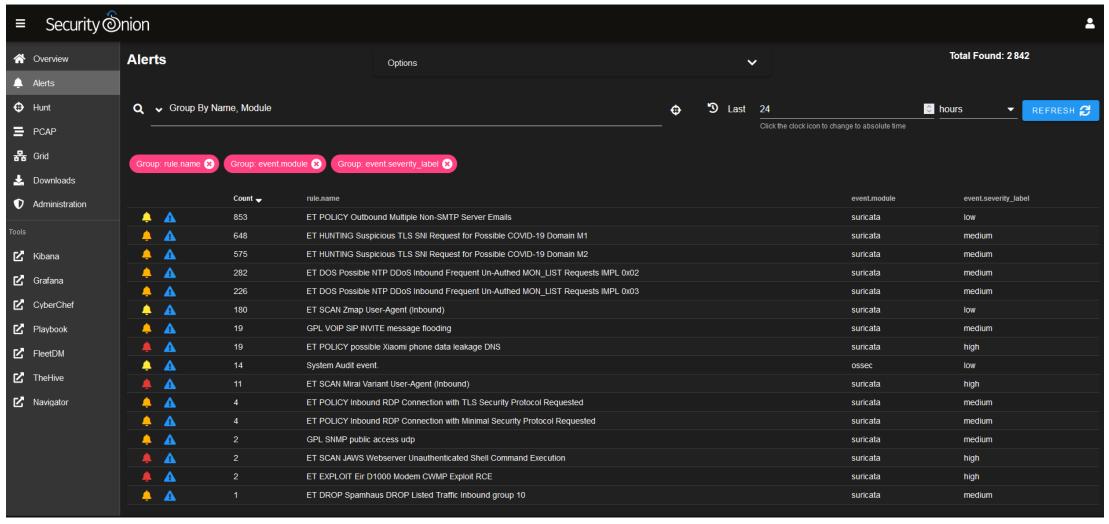
#### Screenshot dashboard



## **SAHER::Active Monitoring**

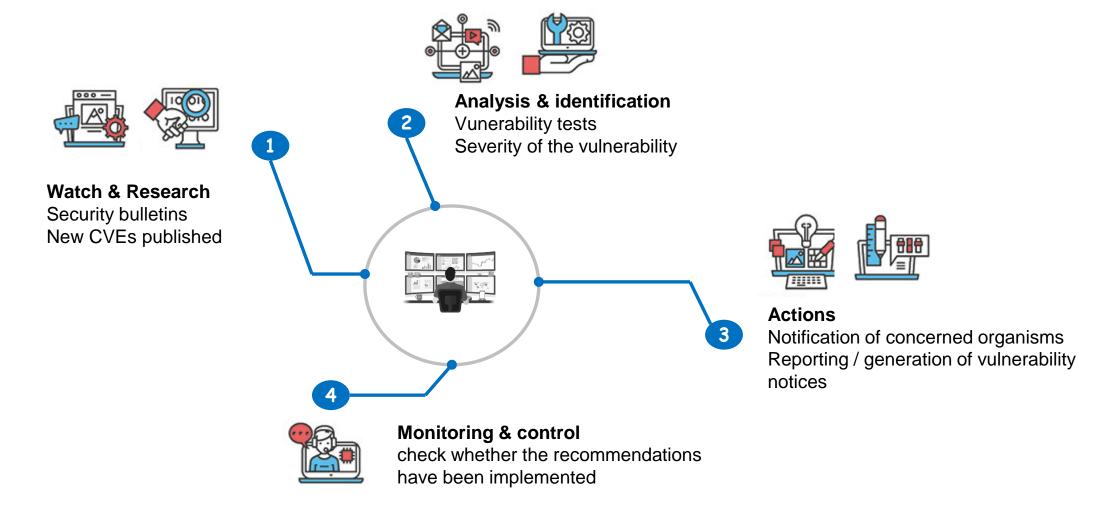


## **SAHER::Active Monitoring**





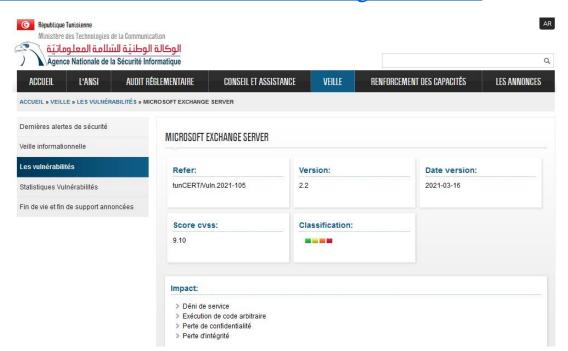
## **SAHER:: continuous supervision...**





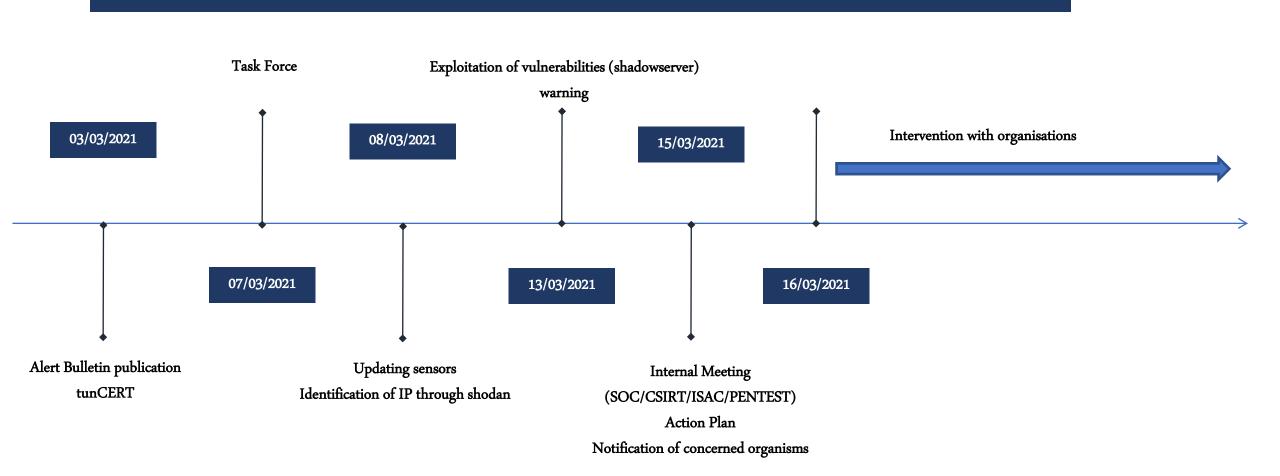
## **SAHER:: Use Case proxy logon**

- 200 Exchange Servers
- Several vulnerable servers
- Several compromised servers (with webshell)
- https://www.ansi.tn/fr/tuncert/les-vulnerabiltes/microsoft-exchange-server-11





#### Timeline ProxyLogon/Microsoft Exchange



#### A continuous work...



## Thank you

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