



Septembre, 2018



Wokshop technique Protection des applications

PRESENTED BY:

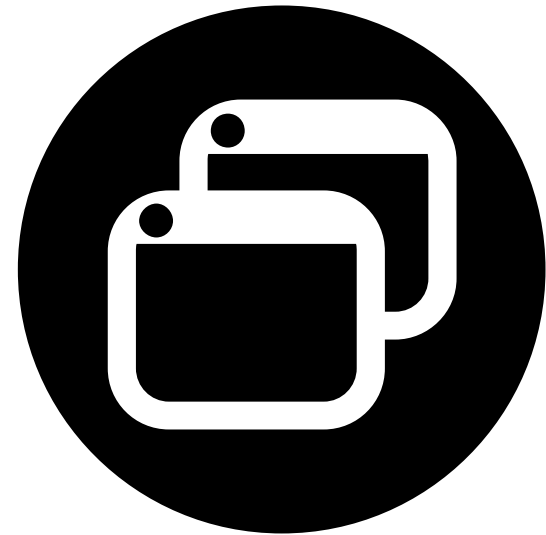
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WE MAKE APPS  FASTER.
SMARTER.
SAFER.

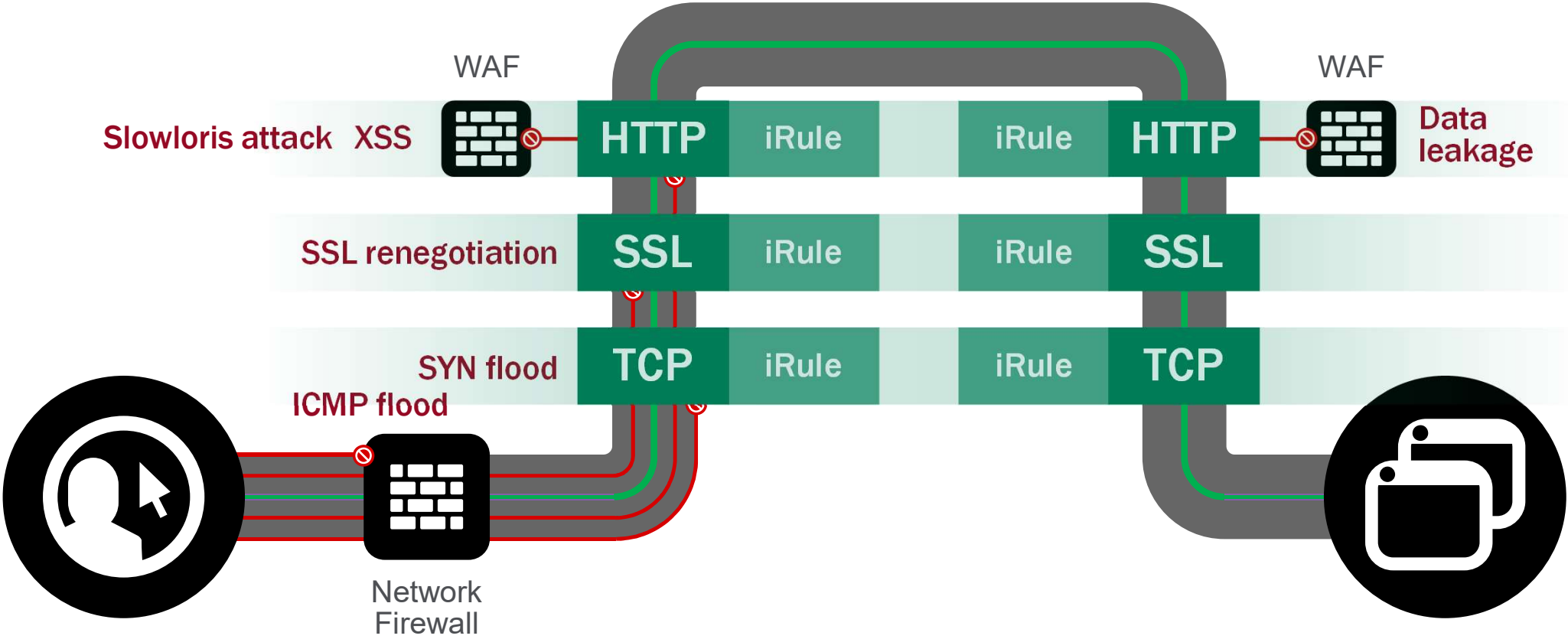
F5 – between the user and the application



Client Information + Traffic Content + Application Health

Freedom to deliver every app, anywhere, securely and with confidence

Full-proxy architecture



Setting a reverse proxy to protect an application

- **Module used: Local Traffic Manager**
- **Benefits: natively isolate the application servers from the users and « outside » world**
- **Resources:**
- <https://www.youtube.com/watch?v=jGQTS1CxZTE>

Adding a WAF policy

- **Module used: Application Security Manager**
- **Benefits: protect the application against layer 7 attacks (OWASP TOP 10 and more). Benefit from Machine Learning to implement with reduced false positive**
- **Resources:**
 - <https://support.f5.com/csp/article/K07359270>
 - https://www.youtube.com/watch?v=iRVZXd4f54g&list=PLyqga7AXMtPN8vZoZtv_o6FbF1JLSUu6zn
 - <https://www.youtube.com/watch?v=WITDBma2wHc>

Protecting against Brute Force attacks

- **Module used: ASM and AWAFF (Advanced WAF)**
- **Benefits: Block Brute force attempts on your applications, detect, block and report Credential Stuffing attacks**
- **Resources:**
- <https://www.youtube.com/watch?v=tDsFqQhaegY>

Adding credential stealing protection

- **Module used: Datasafe or AWAFF (Advanced WAF)**
- **Benefits: Protect user credential to be stolen while they log on your application**
- **Resources:**
 - <https://www.youtube.com/watch?v=zys1z1peDkw>
 - <https://www.youtube.com/watch?v=Y0fPpc0YHg0>

Protecting against BoTs

- **Module used: ASM**
- **Benefits: identifying Bad versus Good BoTs, Blocking the « Bad guys » out and controlling the « Good guys »**
- **Resources:**
 - <https://www.youtube.com/watch?v=q9Unwy0eYok>
 - <https://www.youtube.com/watch?v=sUsWzUYWbBs>
 - How to include the Mobile apps?
 - <https://devcentral.f5.com/articles/appsec-made-easy-anti-bot-for-mobile-apis-31199>

Authenticating the users

- **Module used: Access Policy Manager**
- **Benefits: identifying the user and his environment prior to granting access to the application**
- **Resources:**
 - https://www.youtube.com/watch?v=5_KfM01wMPQ
 - <https://www.youtube.com/watch?v=0SRv3ROIYB8>
 - Playlist:
https://www.youtube.com/watch?v=5_KfM01wMPQ&list=PLV3_MBRabEpLnWuYEK8WxPqvG9Di7WhMx

