HTTP/2: FASTER DOESN'T MEAN SAFER, ATTACK SURFACE GROWING EXPONENTIALLY

HTTP/2 New Mechanisms
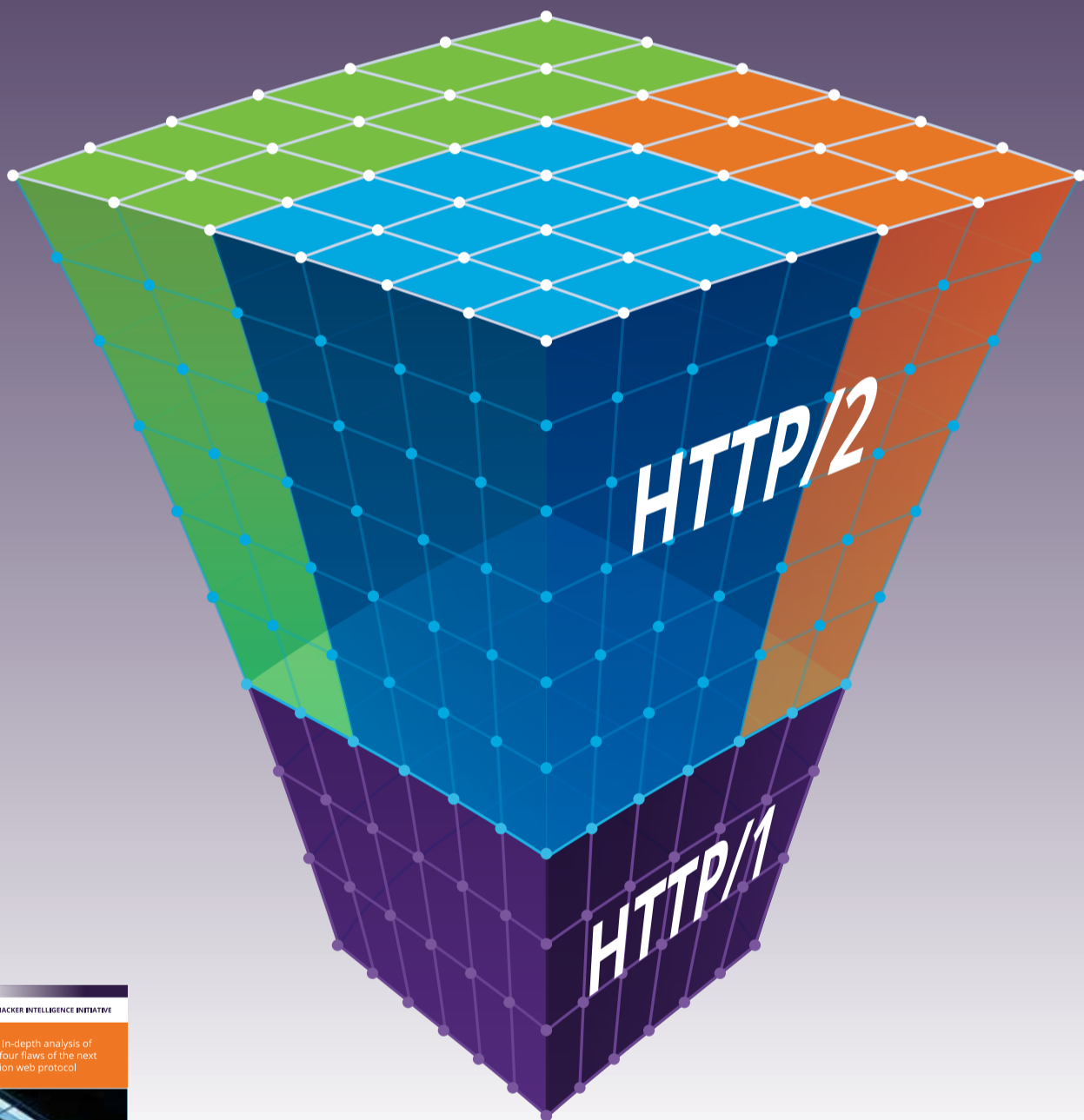
- Flow Control
- Compression
- Stream Multiplexing
- Stream Dependency

HTTP/2 New Implementations

- Apache
- IIS Internet Information Services
- NGINX
- nghttp2
- jetty://

HTTP/2 New Implementations of New Mechanisms

- Slow Read Attack
- HPACK bomb
- Dependency cycle attack
- Stream abuse

HTTP/2

HTTP/1

Learn More

Researchers at Imperva Defense Center have uncovered four major flaws in HTTP/2, the next generation web protocol. HTTP/2 promises faster speeds and better performance over HTTP 1.1, but a combination of new mechanisms and new implementations in HTTP/2 is reintroducing known flaws such as slow read style attacks, seen long ago in HTTP 1.1. Find out how web application firewalls (WAF) can help provide protection and accelerate safe adoption of HTTP/2.

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