



Replacing Microsoft Forefront Threat Management Gateway with F5 BIG-IP

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Microsoft Forefront Threat Management Gateway (TMG)



- Microsoft Forefront Threat Management Gateway (TMG) was Microsoft's comprehensive security solution
- Microsoft Forefront TMG has been widely deployed in Microsoft customers to serve a variety of functions:
 - Delivering forward proxy as a secure web gateway
 - Enabling reverse proxy
 - As a firewall in some instances

Why customers need a Microsoft Forefront TMG replacement

- Microsoft discontinued Forefront TMG, requiring customers to find a new solution to secure corporate access to the web
 - December 1, 2012: Microsoft Forefront TMG 2010 reached End-of-Sales
 - Maintenance and support is to continue through April 14, 2015
 - Microsoft does not have a successor product for Forefront TMG as a secure web gateway
- Your need to protect against web-based threats is only increasing!

Web access is a necessary part of any employee's day



IT must architect for all types of web access

Social



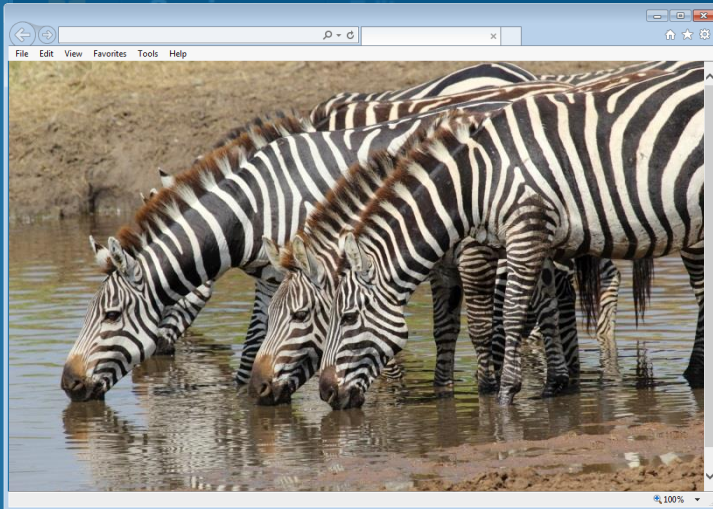
Cloud



Internet



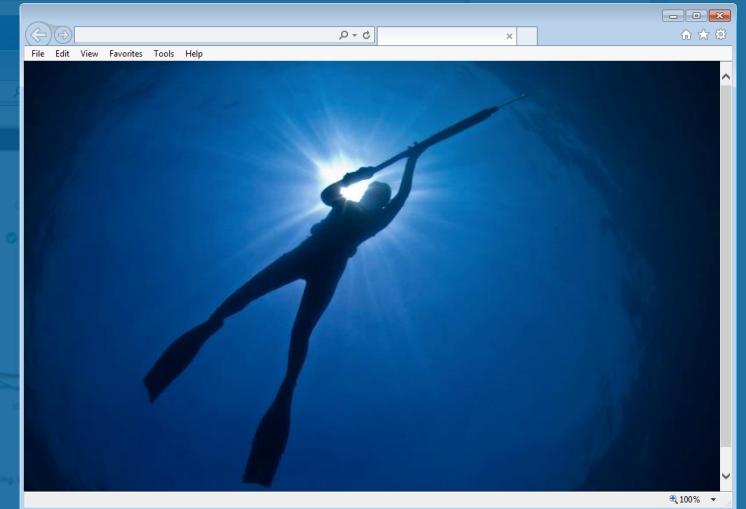
Web access exposes your enterprise to sophisticated attacks



Watering Hole Attacks



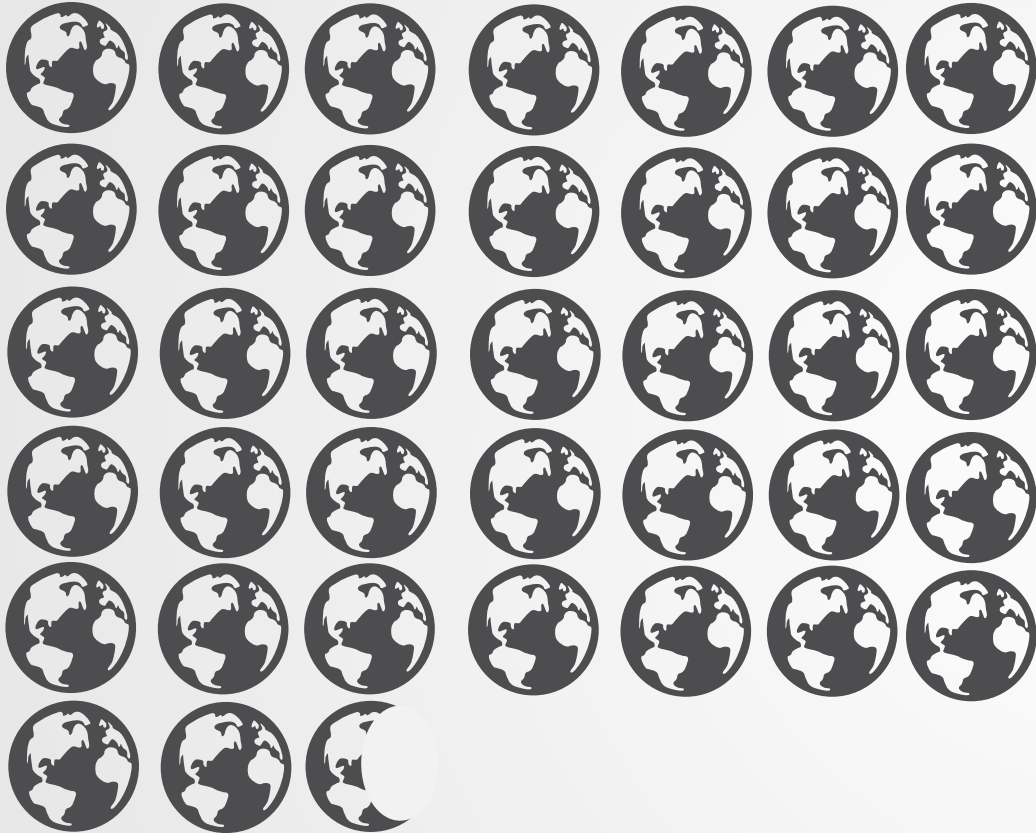
Drive-by Downloads



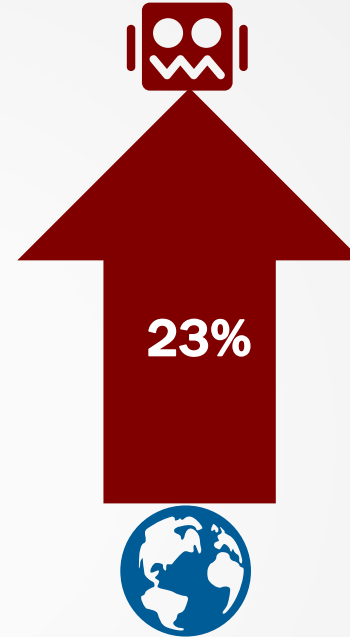
Spearphishing



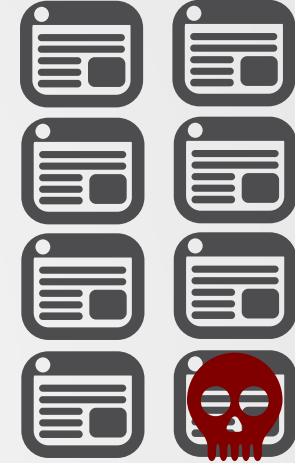
Web-based threat trends



Estimated 37.3 million Internet users worldwide experienced phishing attacks from May 1, 2012 to April 30, 2013¹



Web-based attacks up 23%²

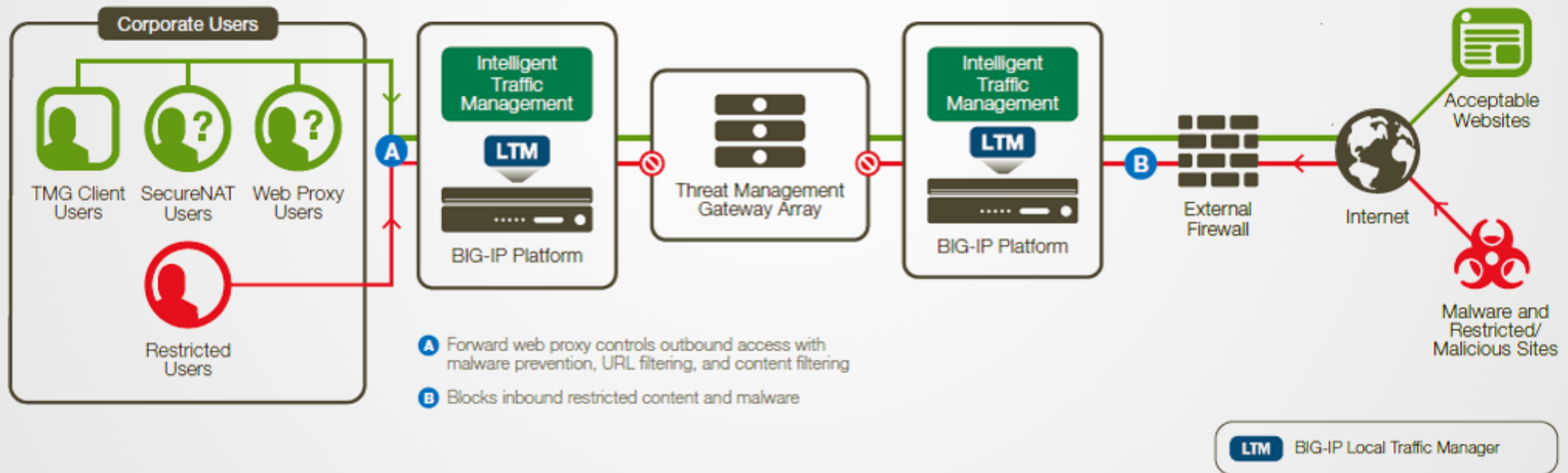


1 out of 8 websites has a vulnerability²

Migrating from Microsoft's Threat Management Gateway to F5 BIG-IP

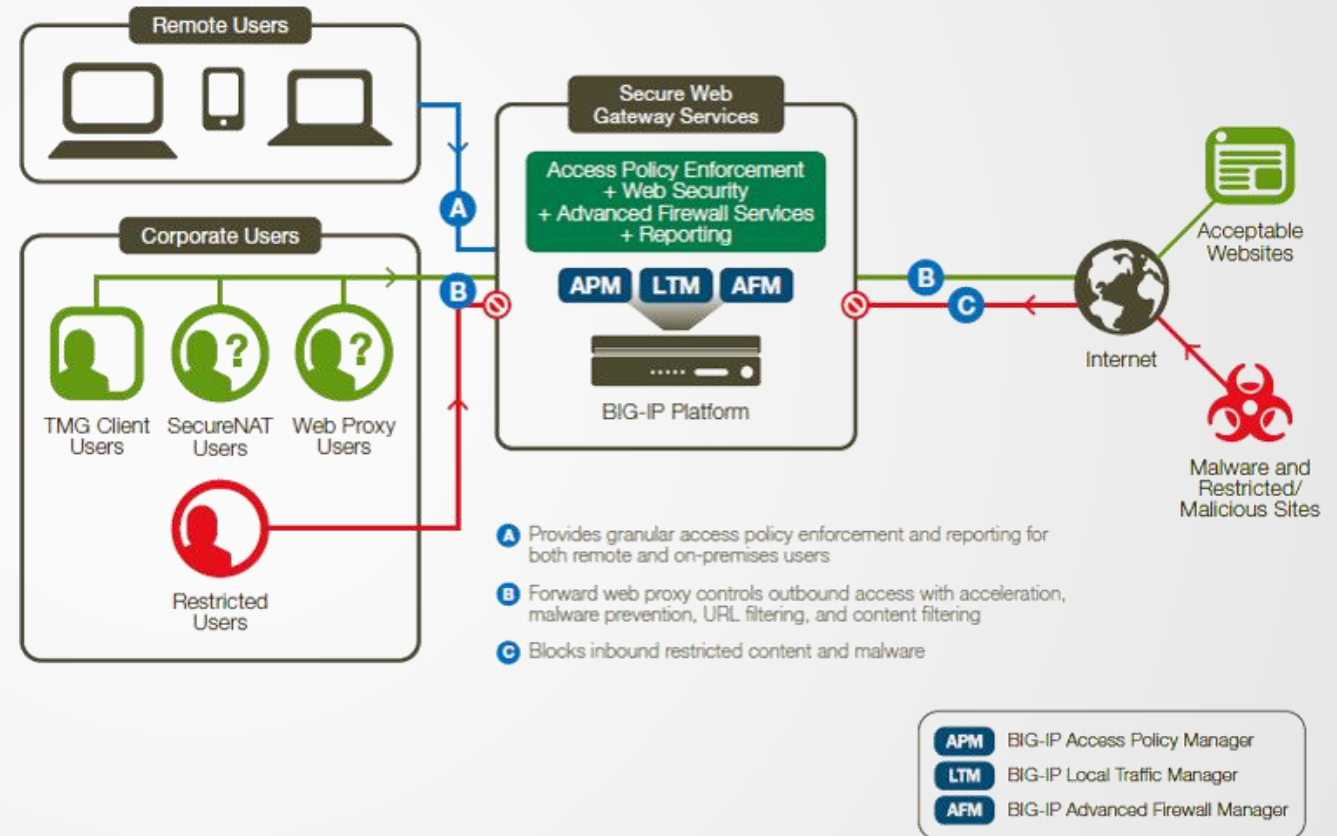
Before: Typical Microsoft TMG deployment

- Delivered web-based malware protection, URL filtering, and content filtering
- Deployed with application delivery controller for scalability and high-availability
- Complex infrastructure

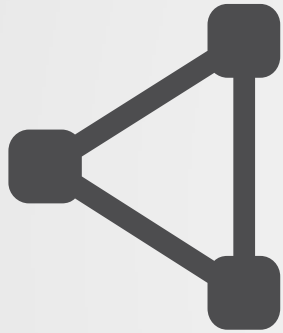


After: F5 replaces TMG and does more

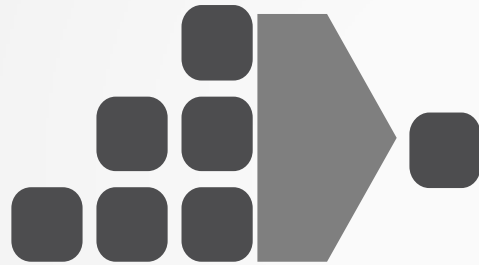
- Built in scalability, high availability and performance with BIG-IP Platform
- Delivers comprehensive forward-proxy with F5 Secure Web Gateway Services
- Enables extremely granular access and security policies with remote/mobile access through F5 Access Policy Manager (APM)
- Eases access and security policy creation and management with Visual Policy Editor (VPE)
- Consolidates and simplifies infrastructure – firewall, load balancer/ADC, proxy servers, and more



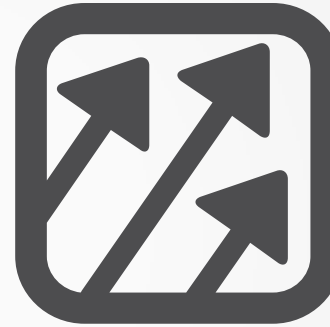
Benefits of F5 replacing Microsoft Forefront TMG



**Significantly
streamlines web proxy
deployments**



**Consolidation
increases ROI**



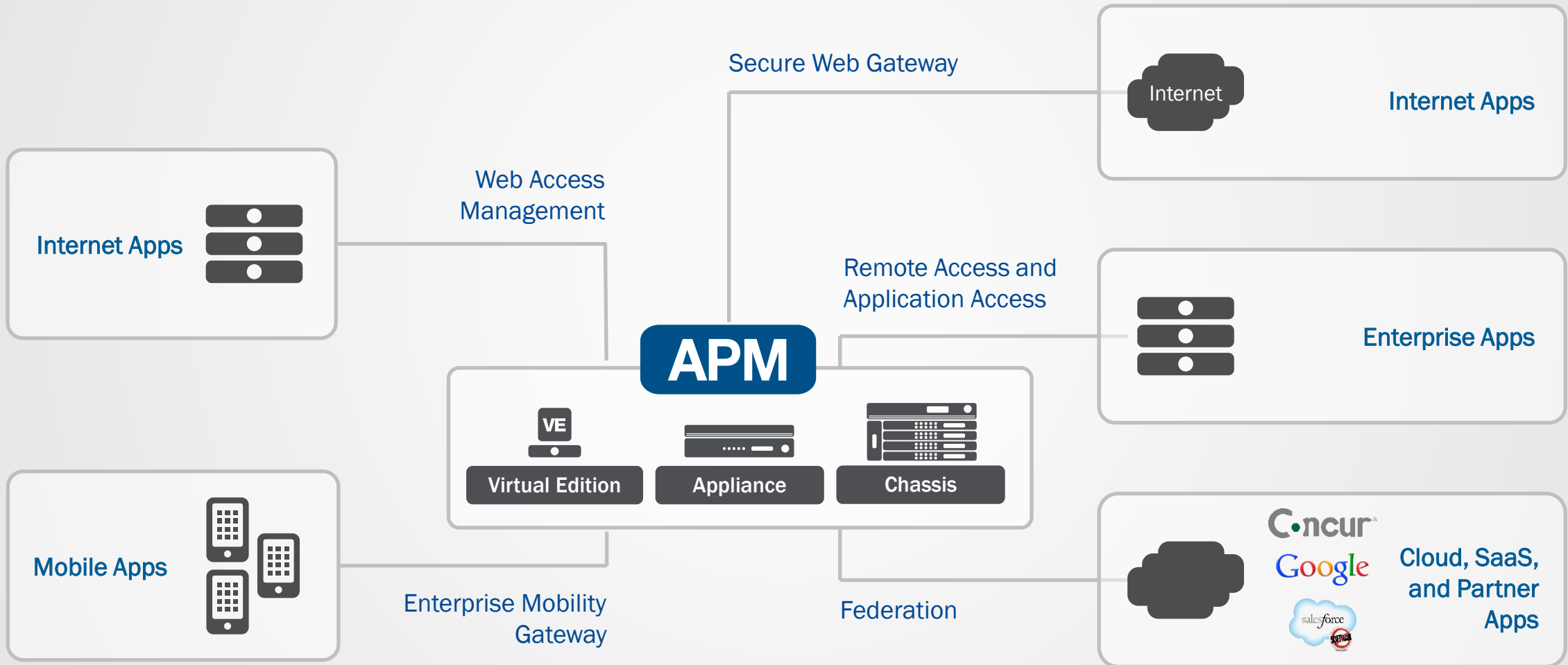
**Enhances functionality
and security**



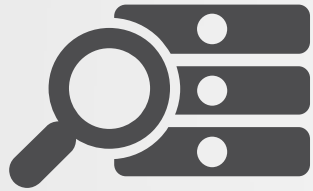
**Comprehensive
security for Microsoft
deployments**

F5 Access Policy Manager (APM) and Secure Web Gateway Services

F5's Unified Identity and Access Management (IAM)



Application authentication, authorization, and identity federation with F5 Application Policy Manager (APM)



Context-aware policy enforcement



Scalability and performance

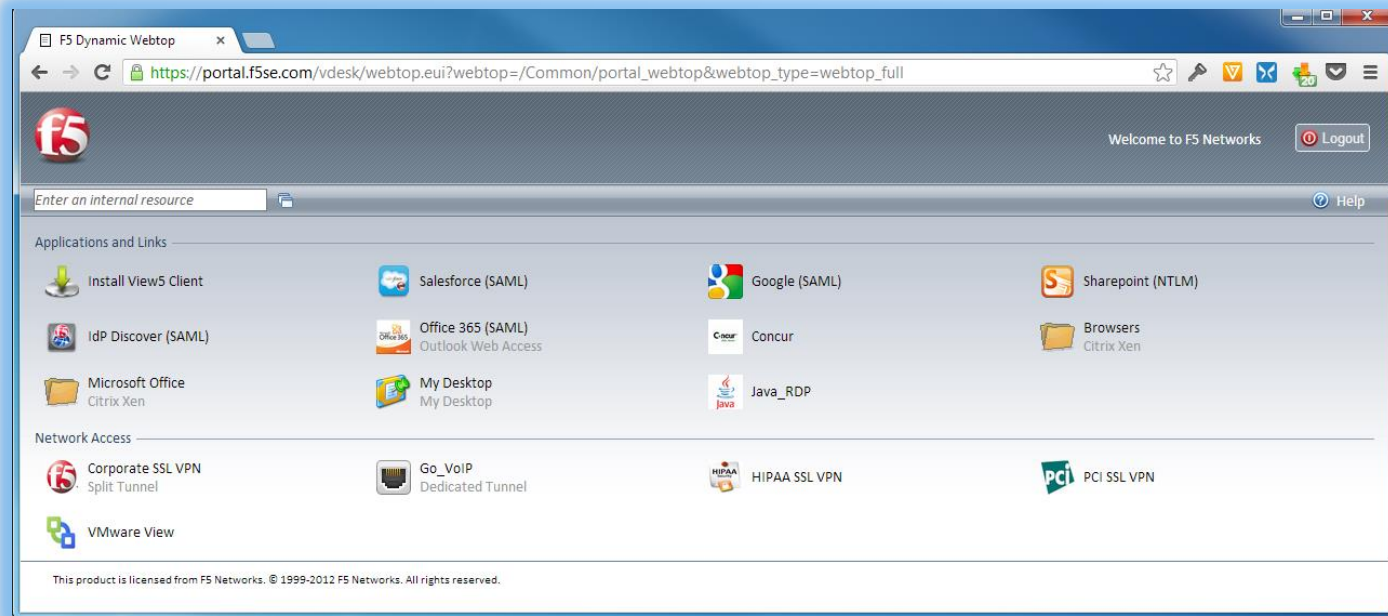


Access control over third-party SaaS



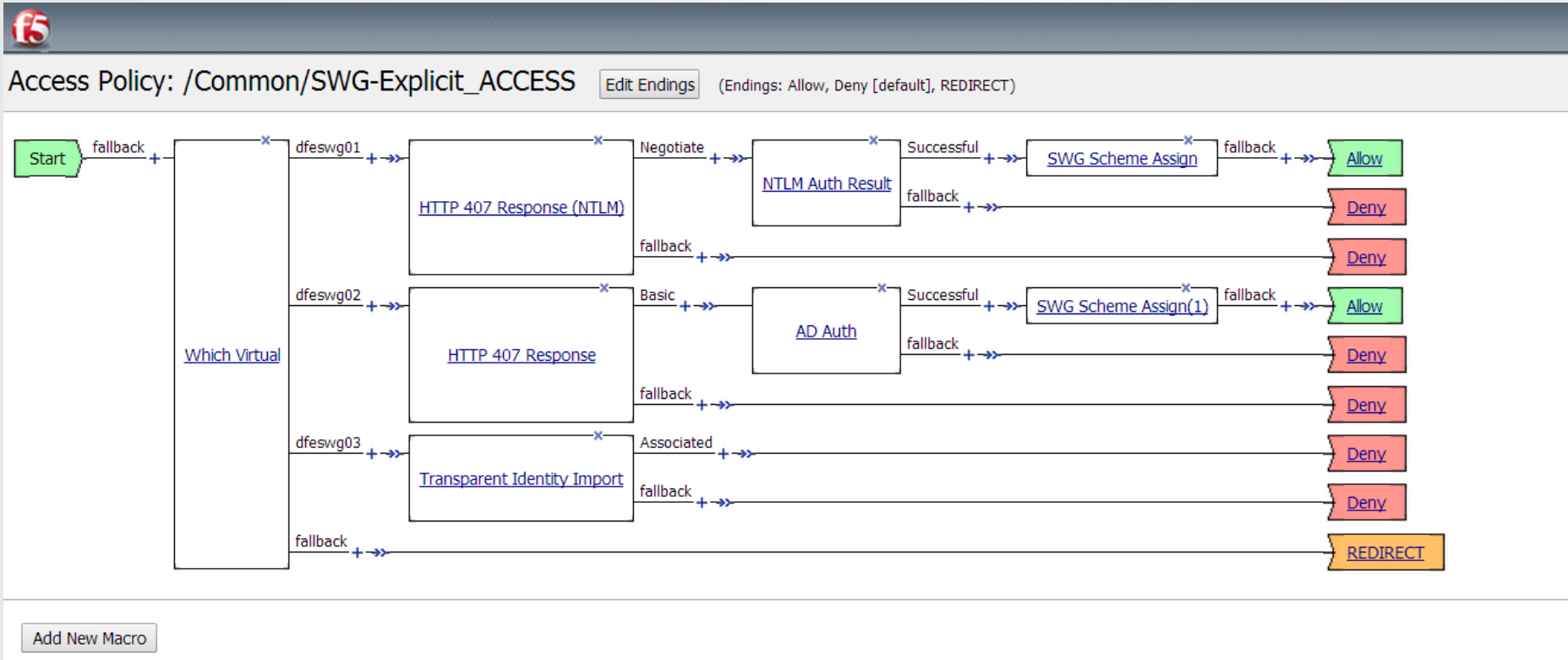
Simplified, granular policy creation and management

How BIG-IP APM is different

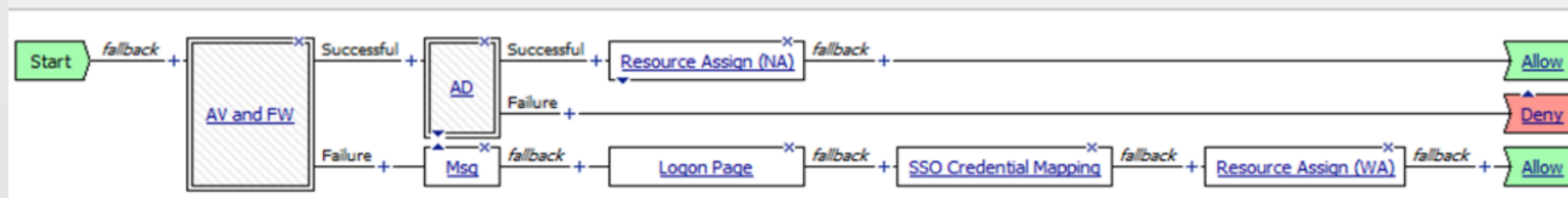


- Most scalable solution available
- Scales 10X over other competitive offerings
- Industry's only access solution with a simple GUI for creating/modifying context-aware policies (VPE)
- One access appliance, one policy engine
- Native VDI support
- And much more!

F5 Visual Policy Editor (VPE)



Endpoint Inspection



F5 Secure Web Gateway Services



Context-Aware
Web Security



Bandwidth
Controls



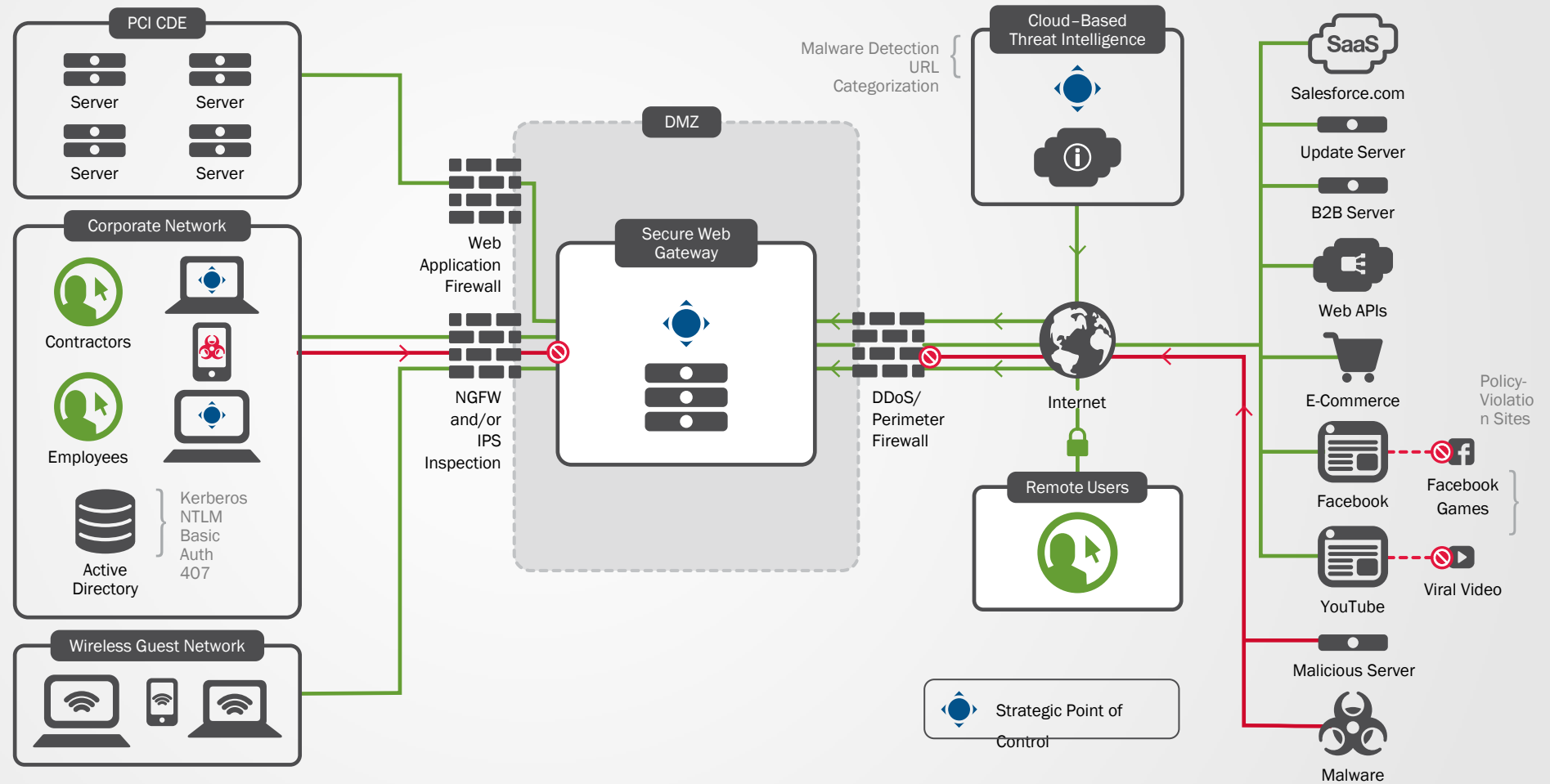
Acceptable Use
Policy Controls



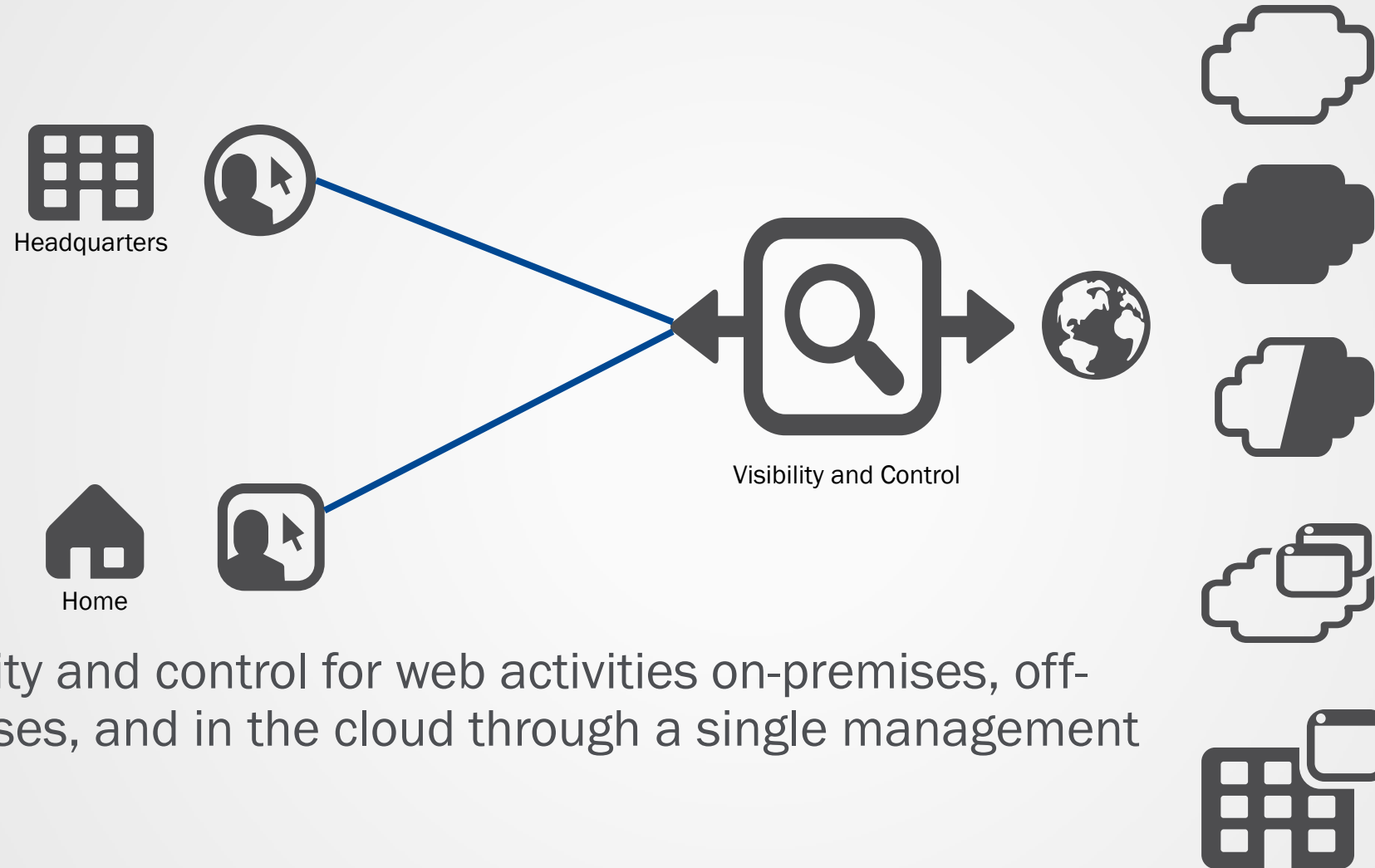
Compliance

F5 Secure Web Gateway Services architecture

- URL categorization and filtering
- Web application controls
- Advanced web-based and embedded malware protection
- Fast SSL inspections and bypass
- Fast and effective threat detection (based on Websense ThreatSeeker)
- Detailed reporting and logging

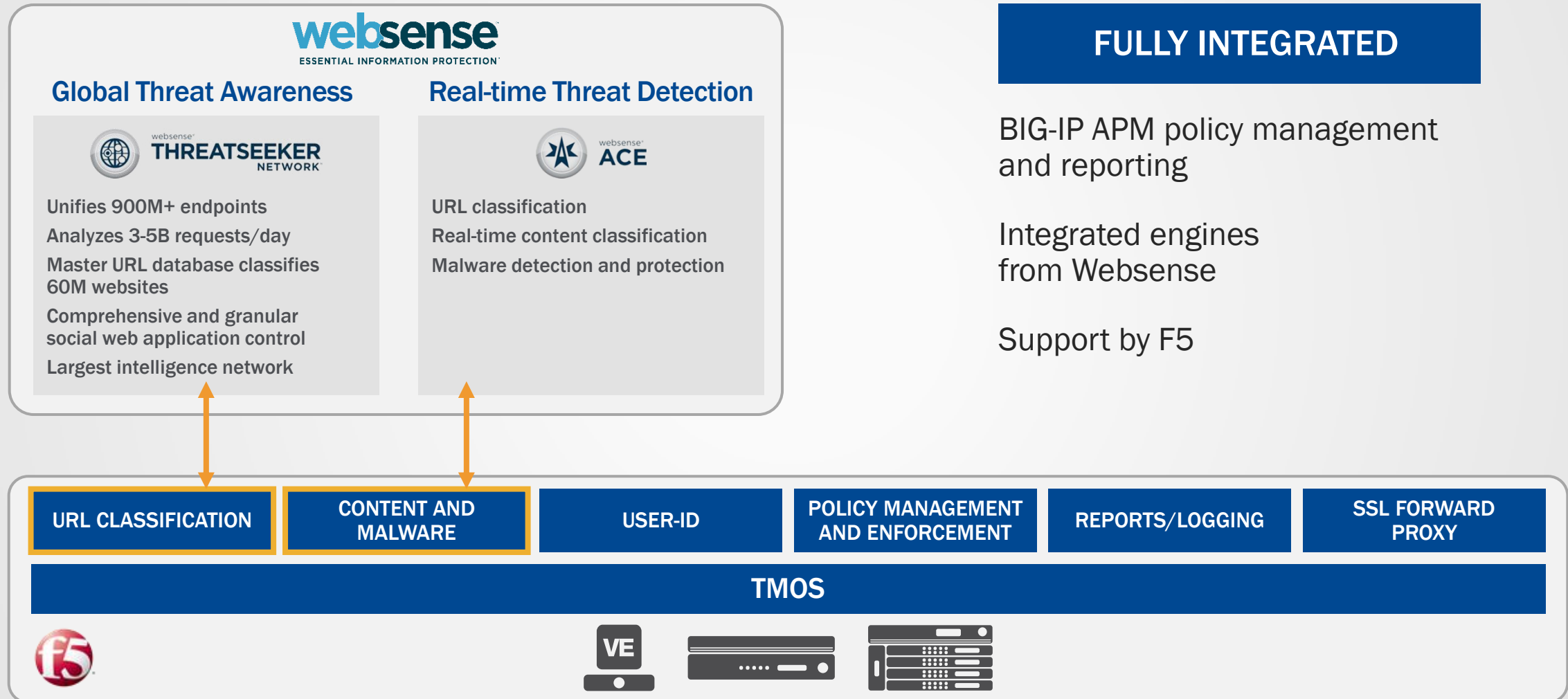


Extends visibility and control into the cloud



- Visibility and control for web activities on-premises, off-premises, and in the cloud through a single management view

Global real-time threat detection from Websense

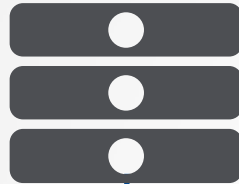


Flexible licensing models

SWG Option	Features	F5 Product Components
URL Filtering	<ul style="list-style-type: none"> • URL filtering • Web application controls • User identification and context-based policy • Visual policy, reporting and logging • Connection to Threatseeker for updates 	<ul style="list-style-type: none"> • BIG-IP Access Policy Manager (APM) • 1 or 3 Yr. URL Filtering Subscription • GBB: Best + URL Filtering Subscription
Secure Web Gateway	<ul style="list-style-type: none"> • URL filtering • Web application controls • User identification and context-based policy • Visual policy, reporting and logging • Connection to Threatseeker for updates ★ Malware detection and protection ★ Real-time content classification 	<ul style="list-style-type: none"> • BIG-IP Access Policy Manager (APM) • 1 or 3 Yr. SWG Subscription • GBB: Best + Secure Web Gateway Services

F5 Secure Web Gateway Services benefits and differentiation

First one-stop shop for all access policy, inbound and outbound



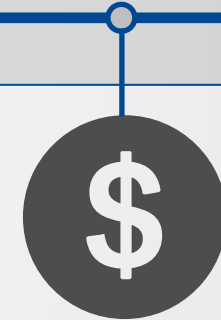
Superior scale and performance



Only web gateway to secure against inbound and outbound threats



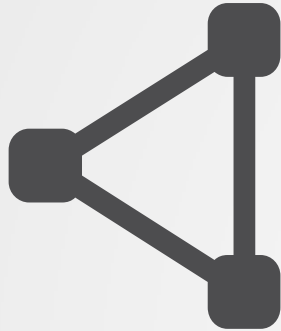
Ensures regulatory and organizational compliance



Lowest TCO and quickest ROI

BACKED BY WORLD-CLASS SUPPORT AND PROFESSIONAL SERVICES

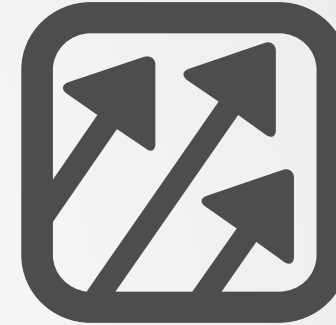
Why replace Microsoft Forefront TMG with F5



**Streamlines and
simplifies**



Consolidates



Enhances security



**Superior scale and
performance**



**One appliance, one
policy engine, one stop**

Next Steps



For more information, visit: www.f5.com/architectures





Solutions for an application world.