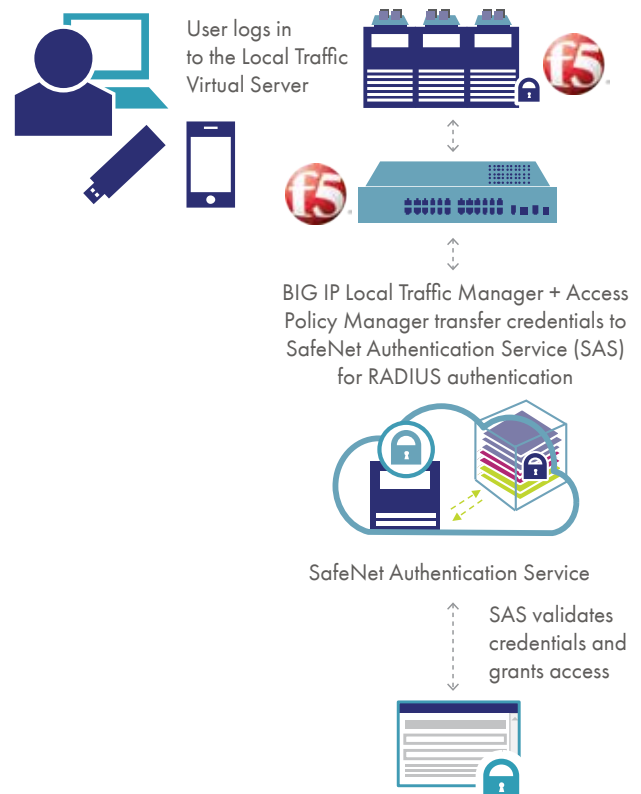THALES

Authenticated Network Access:
F5 BIG-IP APM and Thales SafeNet Authentication Solutions

Today, employees, partners, and customers need to access corporate applications and data at all times and from any location, whether they are inside or outside the traditional security perimeter. For security administrators, the challenge lies in guaranteeing that only authorized users gain access to what could be sensitive corporate information. The balance can be difficult to find as each additional layer of security degrades the user experience by making access to work materials more cumbersome. Fortunately, F5 and Thales have a solution to make resources available securely to authorized users.

The solution: BIG-IP APM and Thales SafeNet Authentication Solutions

SafeNet Authentication Service and F5's BIG-IP Access Policy Manager (APM) combine to provide secure access for authorized users to enterprise resources. APM protects applications by centralizing access and controlling who may or may not access the network, cloud, web, and applications, while SafeNet Authentication Solutions add an additional layer of access security with pre-integrated two-factor authentication, overcoming the weaknesses of simple passwords.

User logs in to the Local Traffic Virtual Server

BIG IP Local Traffic Manager + Access Policy Manager transfer credentials to SafeNet Authentication Service (SAS) for RADIUS authentication

SafeNet Authentication Service

SAS validates credentials and grants access

F5 BIG-IP Access Policy Manager

BIG-IP Access Policy Manager is a flexible, high-performance access and security solution that consolidates remote, mobile, LAN, cloud, and web access, as well as wireless connectivity, within a single management interface and policy creation environment. APM controls access to corporate applications and networks through secure, context-aware, dynamically applied policies, allowing users to authenticate securely only once before being able to access the applications for which they are authorized. APM is available as a module added to BIG-IP Local Traffic Manager, as a stand-alone appliance running on the BIG-IP or VIPRION platforms, or as a virtual appliance.

SafeNet Authentication Solutions

Thales' wide range of SafeNet authentication methods and form factors are trusted by thousands of enterprises around the globe to address numerous use cases and threat vectors with unified, centrally managed policies. Additionally, Thales is the only authentication vendor that lets organizations manage all of their endpoints from one authentication back end, delivered in the cloud or on-premises.

SafeNet Authentication Service

SafeNet Authentication Service by Thales delivers fully automated, highly secure cloud-based authentication-as-a-service for enterprises and service providers. With support for a wide breadth of authentication methods, SafeNet Authentication Service can provide strong authentication for F5 APM in the manner that is most effective for the customer. SafeNet Authentication Service offers streamlined management and shared services with its multi-tier, multi-tenant environment and automated workflows, making secure access in cloud and mobile environments easy and painless.

SafeNet Authentication Manager

SafeNet Authentication Manager by Thales is a versatile authentication server that manages all of an organization's authentication needs from a single back-end platform. SafeNet Authentication Manager supports a broad range of authentication methods and form factors, including context-based authentication with step-up capabilities to OTP, X.509 certificate-based tokens, and software tokens, so organizations can meet different assurance levels and address numerous use cases.

Key features

Advanced reporting

F5 BIG-IP APM logs events and access policy session details so administrators may analyze in-depth user access to applications and traffic trends. Not only do these detailed logs let administrators improve security through more insightful monitoring, they make

it easier to collect the information necessary for compliance reporting. SafeNet Authentication Service complements APM by reporting compliance, audit, and accounting information in formats convenient and typical for common regulations and security standards.

Centralized access and authentication management

APM centralizes access to enterprise applications and allows administrators to easily set context-aware, identity-driven access policies to protected applications using its Visual Policy Editor (VPE). From the GUI- based, simple-to-use VPE, administrators can simply create and set policies, and place them within profiles to govern wide ranges of access types and methods. SafeNet Authentication Service centralizes the administration of the enterprise authentication infrastructure allowing teams to control identity verification with minimal effort.

Automated features for efficient management

Automated provisioning, management, and de-provisioning of users and tokens reduces the amount of time that administrators need to set up and maintain the authentication infrastructure. Administrators can allocate token types to user groups defined by policies for uniform enforcement, which both improves security, and saves time and money. Additionally, self-enrollment features allow users to enroll their token without needing to open a ticket and use administrator time.

Conclusion

Thales and it's SafeNet authentication product line combine with F5 to secure enterprise applications without adversely affecting the user experience. With SafeNet Authentication Service, enterprises have an efficient, cost-effective solution for verifying the identities of users accessing BIG-IP APM protected applications. For more information, visit: www.safenet-inc.com/partners/f5

About Thales

The people you rely on to protect your privacy rely on Thales to protect their data. When it comes to data security, organizations are faced with an increasing number of decisive moments. Whether the moment is building an encryption strategy, moving to the cloud, or meeting compliance mandates, you can rely on Thales to secure your digital transformation.

Decisive technology for decisive moments.