appviewX

Automate and Simplify Management of the F5® Platforms

The AppViewX – F5 Solution

AppViewX and F5 share a common mission to provide the most reliable application delivery systems to organizations. AppViewX platform is fully integrated with the BIG-IP® platform (compatible with v9, v10, v11, v12 and the latest v13), including BIG-IP LTM, DNS, AFM, and ASM modules as well as VIPRION hardware and the new cloud-ready BIG-IP iSeries hardware. The solution allows users to centrally manage, automate, and orchestrate F5 BIG-IP devices across data centers.

AppViewX bridges the gap in achieving agility by providing an application-centric view and control over the F5 application delivery network to NetOps teams. AppViewX leverages the services exposed by F5's BIG-IQ® Centralized Management platform and complements the solution with enhanced automation capabilities.

Easier Management, Self-Servicing IT, and Faster Deployment

AppViewX provides a role-based management for automating and orchestrating network and application services in the F5 infrastructure. It offers an intuitive user interface and REST APIs to centrally manage F5 BIG-IP devices. Integration with best-in-class IT service management solutions speed the review, approval, and deployment process for addressing service requests. Using Inframaps, NetOps teams can view and monitor application traffic flowing through virtual IPs, wide IPs, pools, pool members, and servers across data centers. The integration between the AppViewX platform and the F5 BIG-IP platform enables customers to self-serve application deployment on BIG-IP devices and simplify management of the application delivery network.
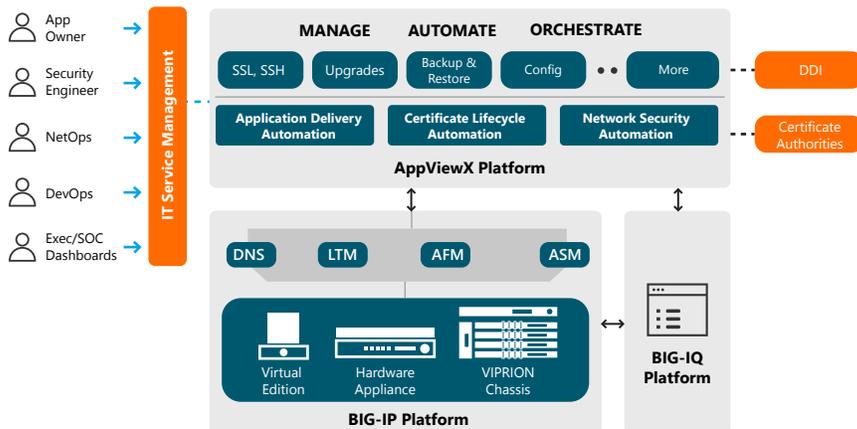
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Business Benefits

- 82% reduction in F5 BIG-IP DNS and LTM change implementation time
- 76% reduction in time taken to renew certificates on virtual servers
- Reduction in F5 BIG-IP configuration migration time from 1 day to 10 minutes

Figure: AppViewX platform – F5 BIG-IP and F5 BIG-IP Integration

Reference Architecture – The above figure shows the integration between the F5 platforms and AppViewX platform, which create an opportunity for customers to use the self-service portal from AppViewX to manage F5 appliances. Multiple teams within an organization may utilize a common service management platform to manage, automate and orchestrate F5 network services.

Centralized Management

AppViewX provides application-centric control and visibility over F5 physical and virtual devices, including BIG-IP LTM, DNS, ASM, and AFM modules and BIG-IQ platform. It empowers application owners to add, remove, create, and delete objects along with numerous other capabilities. It allows security teams to easily add, modify, and manage security policies and rules.

Automated Deployment

Allows to design self-serviceable, event-driven, intelligent, and automated workflows to deliver a high level of automation and automate service requests. AppViewX allows users to create simple or complex workflows to automate creation, modification, and deletion of a virtual IP, wide IP, or security policy. It automates the creation of DNS entries and generation of free IPs with a single click through integrations with DDI systems.

Granular, Role-Based Access Control

Superior self-servicing capabilities provide granular, object-level, role-based access control. The AppViewX platform allows the administrator to define multiple roles and empower different teams with limited privileges to address configuration change requests and implement the changes on devices in brownfield and greenfield environments.

Application-Centric Visibility

AppViewX provides a compelling topological view managing application and network infrastructure services, as well as initiating role-based automated workflows. Network engineers can recursively look up the pool members (end servers) to address the complexities in load balancing architectures where multiple devices are handling traffic for a single application.

Real-Time Alerting and Reporting

Threshold alerts, certificate validity alerts, device alerts, and application health alerts are available to help eliminate the risk of outages at various levels. Alerts can be sent via email or SNMP traps to enable quick responses. A statistics heat map supplies complete BIG-IP device details such as CPU, memory, and bandwidth utilization.

Backup and Restore of BIG-IP Configurations

AppViewX can take device-level (UCS) and object-level configuration backups, which can be scheduled or generated on demand. Backups may be compared across devices and archives and can be restored during troubleshooting at either the device level or object level.

Seamless Migration across BIG-IP Platforms

Patch upgrades and version upgrades to the latest F5 version can be done on multiple devices in a single window and with minimum application downtime. With AppViewX, you can migrate configurations across different platforms, such as BIG-IP virtual editions and BIG-IP hardware, including the new iSeries platform. Migration through AppViewX ensures clean installation and eliminates errors.

SSL/TLS Certificates and SSH Keys Lifecycle Automation

AppViewX enables discovery and management of certificates on F5 devices as well as those on application servers, web servers, and proxy servers. In addition to providing alerts on validity, it facilitates the renewal of certificates and provides the capability to push certificates to end devices, automating certificate lifecycle management. It also provides complete SSH keys lifecycle management on F5 devices.

Conclusion

Managing infrastructure and services in a single console offers many benefits to enterpises and helps them to reduce infrastructure and operational costs. By integrating with F5 BIG-IQ platform, AppViewX for F5 BIG-IP platforms provides centralized management, automation, and orchestration of complex application delivery infrastructure and provides cross-team colloboration among different teams.

Next Steps

To find out more about how AppViewX and F5 solutions can help your business succeed,
contact **info@appviewx.com** or visit **www.appviewx.com**.

About F5

F5 (NASDAQ: FFIV) makes apps go faster, smarter, and safer for the world's largest businesses, service providers, governments, and consumer brands. F5 delivers cloud and security solutions that enable organizations to embrace the application infrastructure they choose without sacrificing speed and control. For more information, go to **www.f5.com**. You can also follow @f5networks on Twitter or visit us on LinkedIn and Facebook for more information about F5, its partners, and technologies.

About AppViewX

AppViewX is revolutionizing the way NetOps and SecOps teams deliver services to Enterprise IT. The AppViewX Platform is a modular, low-code software application that enables the automation and orchestration of network infrastructure using an intuitive, context-aware, visual workflow. It quickly and easily translates business requirements into automation workflows that improve agility, enforce compliance, eliminate errors, and reduce cost.
AppViewX is headquartered in Seattle with offices in the U.S., U.K., and India. To know more, visit **www.appviewx.com**.

AppViewX Inc.,
500 Yale Avenue North, Suite 100, Seattle, WA 98109

✉ info@appviewx.com   📞 +1 (206) 207-7541
🌐 www.appviewx.com   📞 +44 (0) 203-514-2226