versus { networks }

NETWORK & APPLICATION AUTOMATION & ORCHESTRATION

DevOps vs. SecOps vs. NetOps

Low-code & Low-touch Automation for Bridging the DevSecNetOps divide

Key Benefits

Enterprise Application Delivery Controller Automation

- Enterprise Role Based Access Control (RBAC)
- Life-Cycle Management automation
- F5 Networks™ Automation Toolchain integration
- AS3 template management
- Low Code API-based automation integration with your CI/CD pipelines

Managed Security Service Provider Platform

- WAF Policy Tuning
- Security Alert Management
- Enhanced Automated Reporting

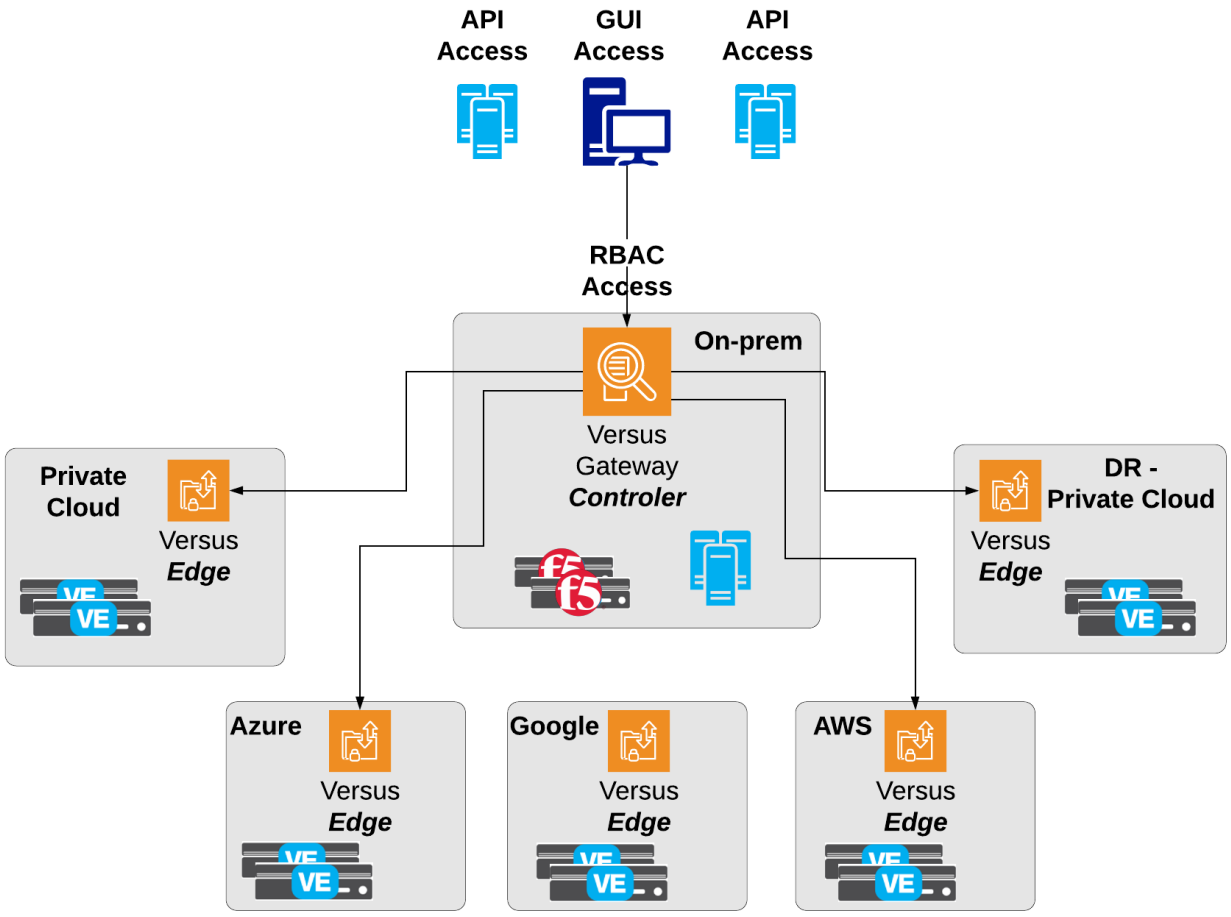
Proactive Monitoring, Alerting and Reporting

- Detailed centralized change audit logs
- Customized historical application performance charts.
- Historical Alarm logs

Features

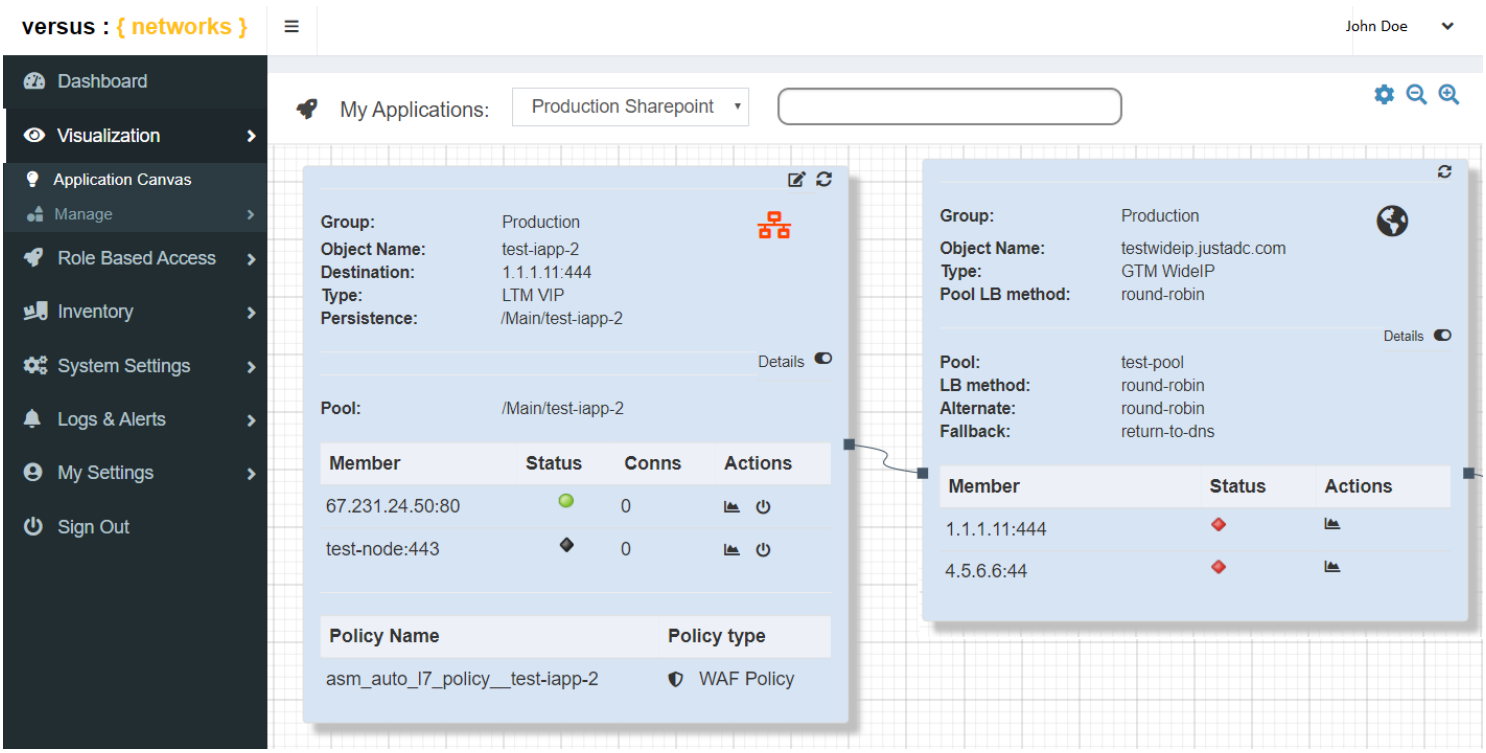
Distributed Automation Architecture

Versus efficiently manages your instances whether located in any combination of on-premise, co-location or public and private cloud environments, as outlined in the following diagram:



Single-Panel-of-Glass Application Management

Your business units and application owners can manage all their related applications from a single application canvas, whether located in any combination of on-premise, co-location or public and private cloud environments.



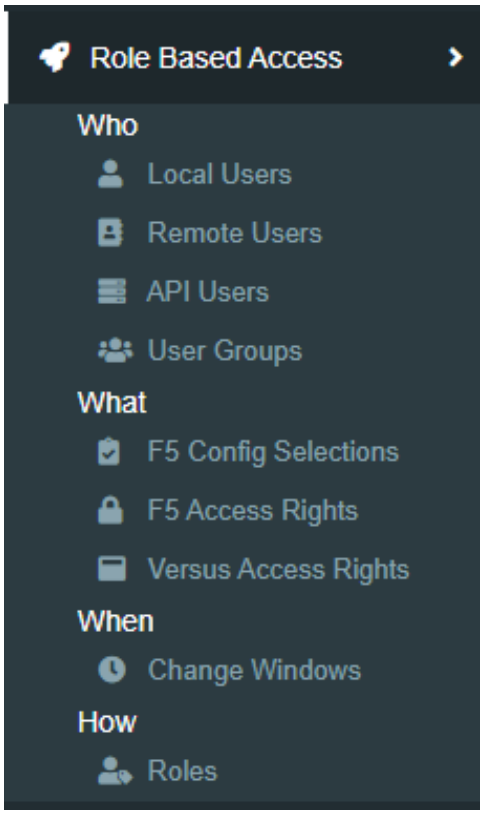
From their canvas, they can view statistics and perform routine changes depending on their assigned Role, including:

- *TLS Certificate & Key management*– set reminders, upload and apply renewed certificates and keys.
- *Pool Member maintenance* – manage pool and member attributes.
- *SNAT and persistence updates*.
- *WAF policy tuning* -
    - Review and take action on Learning suggestions.
    - Manage wildcard and explicit entities.
    - Apply false positive exceptions.
    - Review request logs

Users can group their entitled objects into applications and choose alerts they receive for each application, as well as view historical graphs for bandwidth, connections and RTT granular to pool member.

The ”Who, What, When and How” of Role-Based Access Control (RBAC)

As a Versus Administrator you can create roles to associate groups of users to their respective entitlements. Versus Network Automation utilizes a **Who, What, When and How** methodology for Role-Based Access Control as illustrated in the menu snapshot.



- **Who** is entitled to access your BIG-IP environment? You can select the users to access your BIG-IPs -- local, remote or API-based types of users. You can then create groups of users of mixed types for their roles.
- **What** are your users entitled to access? Select the BIG-IP items your user groups can access by the entire device, tenant, application service 3 (AS3) template, or individual virtual server.
- **When** can users access the entitled objects? Here you create the individual or recurring change windows that the groups of users may access the system.
- **How** can users access the entitled objects? Here you create the roles that glues the Versus RBAC system together -- you select the who, what, and when items you created previously to create a granular role.

Declarative API automation

Versus provides invaluable API hooks from your CI/CD pipeline into your application. To achieve this Versus provides the source-of-truth for your application declarations -- you no longer require programing your own chatty Restful code and imperative API models to manage your application deployments. You simply send your declarations with the required updates via API, and Versus handles the 'Rest'.

Automated Life Cycle Management -- TMOS Upgrades

Versus provides automated TMOS upgrades with sophisticated low-touch upgrade automation. Have Versus handle the laborious technical details of the upgrades, such as pre- and post-status captures and comparisons and real-time log analysis) so your BIG-IP

experts can focus on communications and complex issues that may arise from the upgrades.

Us 'Versus' BIG-IQ

Although centered on F5 (and NGINX) network automation, the Versus automation platform is vendor agnostic. As such, Versus is committed to supporting numerous popular network and security vendors to provide you and end-to-end automation framework for your automation needs.

Additionally, Versus has a streamlined customer-specific software lifecycle available to meet any of your custom automation needs, within realistic lead-times at reasonable costs.

The following table outlines the high-level comparison between BIG-IQ and Versus Networks.

Feature	BIG-IQ	Versus Networks
Vendor Agnostic		✓
Customer-specific customizations		✓
Application Services 3 (AS3) template management	✓	✓
Granular Roles	✓	✓
Remote user groups	✓	✓
SSO authentication	✓	✓
WAF policy management	✓	✓