Application delivery & security

Load-balance mission services from code and run them offline

Rhombus deploys an F5 BIG-IP Virtual Edition (VE) on the kit and configures its Local Traffic Manager (LTM) from code. Kit services get one managed front door that runs disconnected once licensed.

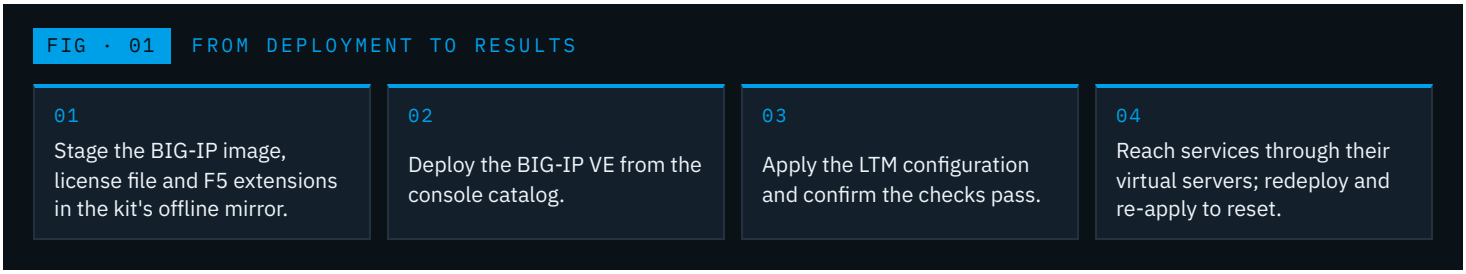
01 · WHY IT MATTERS

- Health monitors pull an unresponsive back-end from rotation, so the service stays reachable.
- Operators reach kit services through stable virtual addresses instead of individual hosts.
- Images and F5 extensions install from the kit's local repository, so a forward site never waits on a download.

02 · HOW IT WORKS ON RHOMBUS

- The console deploys the VE with a fixed hardware identity, so its license stays tied to the same instance across redeploys.
- First-boot automation sets management access and installs F5's automation extensions.
- A repeatable playbook provisions LTM and builds networks, pools, health monitors and virtual servers. Running it again changes nothing.
- Post-deploy checks confirm the management interface and base configuration. Redeploy rebuilds the VE from code; re-running the playbook restores services.

FIG · 01 FROM DEPLOYMENT TO RESULTS



03 · DEFENSE & GOVERNMENT

- Front mission applications at forward sites in denied, degraded, intermittent or limited (DDIL) conditions.
- Train operators on F5 traffic management using an isolated instance they can rebuild.
- Rehearse F5 configuration changes on the kit before applying them to mission systems.

04 · COMMERCIAL & ENTERPRISE

- Banks and enterprise teams can rehearse BIG-IP changes in isolation before a production window.
- Critical infrastructure and operational technology (OT) sites can front local services where connectivity is limited.

05 · OUTCOMES

- Every deploy builds the BIG-IP VE the same way, from code.
- A playbook re-run reports no changes when the BIG-IP matches its intended state.
- Kit services answer on virtual addresses, with failed back-ends removed from rotation.

06 · CONSIDERATIONS

- F5 BIG-IP VE is optional and licensed separately. You supply the image and license, activated from a staged file or once online.
- The current build provisions LTM only. SSL Orchestrator (SSL-O) is a separately licensed add-on and is not configured by the current build. Web application firewall, DDoS and access modules are not configured.
- Health checks test only that each port answers. Encrypted traffic passes through without decryption.

INTEGRATED TOOLS

F5 BIG-IP VE COMMERCIAL

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