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## Managing Your BIG-IP Devices Has Never Been Easier

F5® BIG-IQ™ Device manages your BIG-IP® physical and virtual devices in both traditional and cloud environments. BIG-IQ Device provides the key features you need to manage your BIG-IP environments, including BIG-IP software update; image deployments\*; license pool management\*; inventory, health, and performance checks; and configuration backup and restore.

BIG-IQ Device is part of the BIG-IQ product suite—a framework that also includes BIG-IQ Cloud for managing and provisioning BIG-IP products in the cloud and BIG-IQ Security for managing F5 BIG-IP® Advanced Firewall Manager™ (AFM) and BIG-IP Application Security Manager™ (ASM) solutions. A key component in the F5 Synthesis™ architecture, BIG-IQ enables organizations to seamlessly provision, manage, and scale a rich set of application services irrespective of form factor (hardware, software, cloud) or deployment model (on-premises, private/public cloud, hybrid).

### Key benefits

#### Reduce operational costs and administrative time

Track and manage BIG-IP physical and virtual devices from a single pane of glass.

#### Increase operational scalability and agility

Spin up and spin down BIG-IP devices on demand, moving BIG-IP licenses when and where you need them.\*

#### Reduce errors and downtime

View and track the performance and health of your application delivery network devices.

#### Automate manual IT processes

Use the robust set of RESTful APIs in BIG-IQ Device to eliminate redundant and error-prone manual configuration tasks.

#### Improve reliability and recoverability

Use BIG-IQ Device to upgrade all your BIG-IP devices or to back up and restore all the configuration files (UCS).

\*Requires BIG-IP version 11.5.

## About BIG-IQ Device

A part of every BIG-IQ deployment, BIG-IQ Device manages BIG-IP devices in both traditional and cloud compute environments. BIG-IQ Device can deploy BIG-IP software images\*, monitor and distribute BIG-IP licenses\*, and back up and restore configurations. BIG-IQ Device is also an inventory management tool, able to view and export detailed information about all your BIG-IP devices. BIG-IQ Device management functions reduce operating expenses while its license management allows devices to be spun up and spun down both within and between clouds and data centers. The inventory management functionality keeps you apprised of every detail about your managed devices. All BIG-IQ Device data and functions are accessible through a simple and innovative GUI or through a comprehensive set of RESTful APIs.

## Deploy or Upgrade BIG-IP Images\*

BIG-IQ Device allows you to upgrade or deploy BIG-IP images on demand simply by dragging and dropping a software image onto that device. With BIG-IQ Device, you can deploy images onto existing BIG-IP hardware or as a virtual machine. Deployment through BIG-IQ Device allows you to perform a clean installation, eliminating the device of everything, including its license and configuration files. With BIG-IQ Device, you can deploy locally or in the VMware, OpenStack, or Amazon cloud environments.

## Manage Your BIG-IP Licenses\*

BIG-IQ Device can manage all your BIG-IP VE licenses, granting and revoking licenses for your BIG-IP systems as business needs change. License management gives you the flexibility to license devices only as needed, maximizing the return on your BIG-IP investment. You can assign different license pools to different applications, allowing for flexible provisioning options.

## Discover and Monitor BIG-IP Devices

Use BIG-IQ Device to discover BIG-IP devices (those running version 11.3 and above) and track and monitor all your BIG-IP devices, including key metrics such as CPU/memory and disk usage, SSL certificates status, and high availability (HA) status. BIG-IQ Device can discover and monitor BIG-IP devices located locally or in public clouds such as Amazon EC2. For successful device discovery, you must configure each F5 device you want to manage with a route to the BIG-IQ system. Once discovered, you can view detailed data about the managed devices in your network. Information includes associated IP addresses, platform type, license details, software version, SSL certificate status, and more.

## Back Up and Restore BIG-IP Configurations

BIG-IQ Device can take snapshots of BIG-IP configuration files (UCS), backing up and restoring system configurations on demand. Now you can have a central repository of all your BIG-IP configurations, making recovery easier than ever.

\*Requires BIG-IP version 11.5.

## BIG-IQ 7000 Platform

BIG-IQ Device is available as a virtual edition or on an enterprise-grade appliance. Providing single vendor accountability and consistent BIG-IP hardware for non-virtualized environments, the BIG-IQ 7000 platform provides the same quality and reliability of F5's purpose-built hardware platforms to manage your BIG-IP devices.

Intelligent Traffic Processing:	L7 requests per second: 800K L4 connections per second: 390K L4 HTTP requests per second: 3.5M Throughput: 40 Gbps/20 Gbps L4/L7
Hardware SSL:	Included: 15,000 TPS (2K keys) Maximum: 15,000 TPS (2K keys) 18 Gbps bulk encryption*
FIPS SSL:	N/A
Hardware DDoS Protection:	20M SYN cookies per second
Software Compression:	Included: 9 Gbps; Maximum: 9 Gbps
Software Architecture:	64-bit TMOS
On-Demand Upgradable:	Yes
Processor:	1 quad core Intel Xeon processor (total 8 processing cores)
Memory:	32 GB
Hard Drive:	Two 1 TB (RAID 1)
Gigabit Ethernet CU Ports:	4
Gigabit Fiber Ports (SFP):	Optional SFP
10 Gigabit Fiber Ports (SFP+):	8 SR or LR (sold separately, 2 SR included)
40 Gigabit Fiber Ports (QSFP+):	N/A
Power Supply:	Two 400W included (80 Plus Gold Efficiency), DC optional
Typical Consumption:	205W (dual supply, 110V input)
Input Voltage:	90–240 VAC, 50/60hz
Typical Heat Output:	700 BTU/hour (dual supply, 110V input)
Dimensions:	4.45" (8.76 cm) H x 17.3" (43.94 cm) W x 21.4" (54.36 cm) D 2U industry standard rack-mount chassis
Weight:	40 lbs. (18.14 kg) (dual power supply)
Operating Temperature:	32° to 104° F (0° to 40° C)
Operational Relative Humidity:	10 to 90% @ 40° C
Safety Agency Approval:	ANSI/UL 60950-1-2011 CSA 60950-1-07, including Amendment 1:2011 Low Voltage Directive 2006/95/EC CB Scheme, EN 60950-1:2006+A11:2009+A1:2010 +A12:2011, IEC 60950-1:2005, A1:2009
Certifications/ Susceptibility Standards:	EN 300 386 V1.5.1 (2010-10); EN 55022:2010 EN 61000-3-2:2006+A1:2009+A2:2009; EN 61000-3-3:2008, EN 55024:2010; EN 55022:2010; EN 61000-3-3:2008 EN 55024:2010; USA FCC Class A

## F5 Global Services

F5 Global Services offers world-class support, training, and consulting to help you get the most from your F5 investment. Whether it's providing fast answers to questions, training internal teams, or handling entire implementations from design to deployment, F5 Global Services can help ensure your applications are always secure, fast, and reliable. For more information about F5 Global Services, contact [consulting@f5.com](mailto:consulting@f5.com) or visit [f5.com/services](http://f5.com/services).

## More Information

To learn more about BIG-IQ Device, visit [f5.com](http://f5.com).

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