

Sapphire virtual appliances.

Secure DNS, DHCP, IPAM, cloud virtual appliances.



Private and public cloud elasticity.

The power of today's cloud networking enables flexibility and scale with elastic allocation of virtualized resources. Whether for enterprise cloud or network function virtualization (NFV), virtual Sapphire appliances enable on-demand allocation of DNS, DHCP, and IPAM services/functions.

Simple, on-demand DNS/DHCP/IPAM deployment.

IP address management (IPAM) services are critical for the operation of today's IP networks. Your end users count on seamless IP address assignment via REST or DHCP and rapid name resolution with DNS in support of your private and public cloud network initiatives. Reliability, rapidity, flexibility and security are paramount for continuous operations.

The convenience of a virtual appliance enables rapid deployments and ease of management. Virtual Sapphire appliances offer reliability and security with the convenience of pre-packaged DNS/DHCP/IPAM appliances in hardware and virtual machine format. And Sapphire appliances are built from the ground up for security and robustness in either form.

Centralized monitoring and administration.

Deployed Sapphire virtual and hardware appliances can be centrally monitored via the IPControl system dashboard and/or via a third-part SNMP manager which can be used to poll Sapphire MIBs and receive traps. The appliance dashboard provides a summary view as well as the ability to drill down to a particular appliance to perform diagnostics or administrative tasks.

Maximize network services flexibility.

Sapphire virtual appliances offer another deployment option for customers desiring to maximize the return on network investments. Customers can leverage the benefits of virtualization, including elasticity, lower power consumption and physical footprint as well as reduced shipping and installation costs, while retaining the power of BT Diamond IP IPAM solutions.

You can select the virtual appliance type that best you're your services capacity requirements and your budget. Virtual appliances can be deployed and destroyed on demand. Both hardware and virtual appliances are managed and monitored via the centralized IPControl™ IPAM solution.

Sapphire virtual appliances.

Features.

Virtual Sapphire appliances help reduce your network costs through automation and simplification of DNS/DHCP/IPAM services management, monitoring and control.

Multi-platform, multi-scale

- Virtual Sapphire appliances are supported for VMware, Oracle VM, Xen, Microsoft® Hyper-V, Amazon Web Services (AWS) and Microsoft® Azure.
- Virtual Sapphire DHCP/DNS appliances are available in sizes comparable to their hardware counterparts:
 - V5 – 4 CPU cores and 4 GB memory
 - V10 – 8 CPU cores and 8 GB memory
 - V20 – 16 CPU cores and 16 GB memory
- Virtual Executive (EX) models are available in V10 and V20 sizings and offer cloud benefits for centralized IPAM
- The Virtual Sapphire Cloud Automation Appliance (CAA) enables IP address assignment and reconciliation with BT's IPControl software

Virtual appliance benefits.

- Rapid deployment of DNS/DHCP functions.
- Reduce energy consumption.
- Server consolidation.
- Reduce rack space requirements.
- Leverage current virtualization architecture.
- Eliminate shipping and import charges.
- Support DNS/DHCP functions in NFV or cloud deployments.

Powerful, reliable platforms.

- Virtual Sapphire appliances leverage cloud and virtualization benefits.
- Sapphire OS, kernel and services upgrades can be deployed from the centralized IPControl interface.
- Centralized appliance monitoring via IPControl and via third party SNMP polling and syslog forwarding.

Simple, flexible deployment.

- On-demand instantiation of DNS/DHCP.
- Simplified procurement and deployment with one-stop integrated software and hardware or VMware installation.
- Flexible deployment options: server-based, appliance-based, virtual, and mixed.

Scalable, resilient architecture.

- DHCP failover and multi-DNS server deployments.
- DNS anycast improves security and performance.
- Operate DHCP, DHCPv6, DNS, and NTP on a single robust appliance platform.

Streamlined manageability.

- Centralized monitoring and control via Sapphire EX or IPControl appliance dashboard.
- SNMP MIBs and traps facilitate performance reporting and management integration.
- Simplified upgrades support.

Offices worldwide

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