

Make the Switch to Maximize Your SAN

Reduce risks and ensure longevity when you upgrade to the Brocade[®] G730

The Brocade[®] Gen 5 (16G) 6520 Switch has reached End-of-Life (EOL). Besides the increased risk of downtime and the halt on enhancements after EOL, maintaining aging networking infrastructure in your data center may be riskier than you expect.

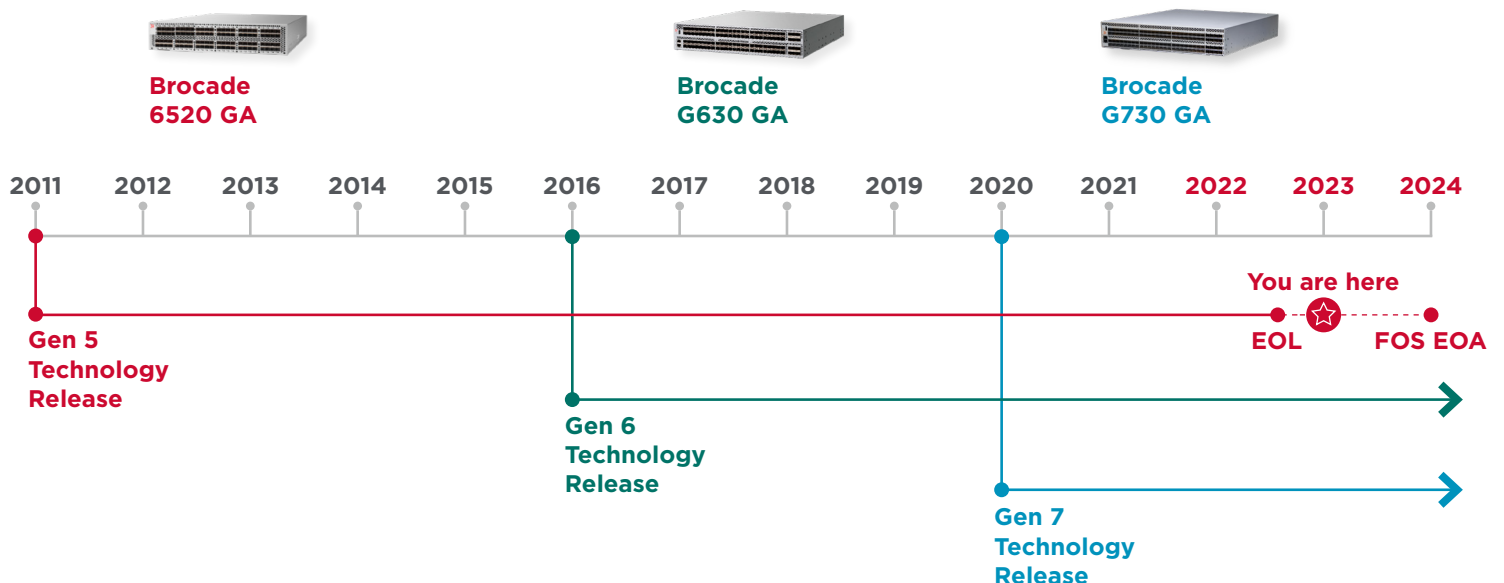
Even if you have 16G switches still covered by a support contract, the risk of the hardware failing due to the effects of heat, vibration, and dust that build up over time is a reality. More importantly, Gen 5 was not designed to handle the demands of next-gen servers and storage arrays, which can result in capacity overloads and traffic bottlenecks.

If you're running a Brocade 6520 Switch, you need to take action to safeguard the ongoing security and availability of your critical application data. With FOS End-of-Availability (EOA) fast approaching, storage teams should plan their refresh to the Brocade G730 Switch now to protect their data from security vulnerabilities.

What happens at Fabric OS[®] EOA?

Brocade engineering identifies hundreds of security threats every year and provides patches to address these vulnerabilities. Once FOS EOA arrives, there will be no further scheduled releases of FOS with bug fixes or improvements made available for the switch. More importantly, the scheduled FOS patches for any recent security vulnerabilities will not be available, potentially compromising the security profile of the entire SAN environment and leaving your data exposed.

Your switches might be older than you think.



What are the risks if you wait?



Reliability issues

Over time, heat, vibration, and dust will impact hardware reliability, which could cause disruptions or failures.



Security vulnerabilities

Patches to any recent security vulnerabilities will become limited over time, leaving you exposed and resulting in potential financial and legal ramifications.



Interoperability issues

With older SAN products, new servers and storage may not be compatible or may be limited to a subset of features.



Performance impact

EOL infrastructure can impede the performance capabilities of evolving workloads and NVMe-based storage. Gen 5 was released over 10 years ago in 2011 and was not designed for the demands of next-gen storage, like NVMe.

It's time to modernize your storage network. Make the move to Gen 7.

High-density rack deployments can provide significant savings in real-estate and infrastructure costs. It is important that the network maximize these savings while ensuring high reliability and security.

Brocade G730 Switches are designed to meet ever-increasing demands for reliability, data integrity, and data growth, while accommodating new applications, servers, and storage. The Brocade G730 Switch provides a longer useable life and lower vulnerability risk with continual FOS and security updates to strengthen the level of security in your network.







Modernizing your storage network with the Brocade G730 Switch delivers far more than just high speeds and low-latency improvements. It can take the pain out of protecting and managing your data center altogether. With automated administrative routines and processes,

you'll see dramatic savings in time typically spent troubleshooting issues, optimizing application performance, and maintaining high levels of security. Plus, the G730 works seamlessly with older generations of Fibre Channel and allows you to run SCSI and NVMe in parallel, so you can migrate to the SAN of the future at your own pace.

The Brocade G730 allows you to create high-scale fabrics in less rack space to support growth and large fabrics in dense rackmount environments. This enables organizations to consolidate and simplify their fabric by using less physical space, fewer switches to manage, lower power consumption, and less cabling.

Now is the time to make investments in your data center by migrating once to the Brocade G730 Switch, which will pay dividends for years to come.

Why should you upgrade?

-  **Security**
Increase security for critical data and lower vulnerability risks.
-  **Simplicity**
Automate actions to simplify management and resolve issues without intervention for a more resilient network.
-  **Performance**
Support more applications and VMs per switch, while optimizing performance for NVMe.
-  **Longer life**
Protect your investment with double the usable life and better TCO than the G630.
-  **Optimization**
With Traffic Optimizer, organize data flows by similar latency, throughput, and performance characteristics so they share the same dedicated resources.
-  **Efficiency**
Scale using a smaller footprint. Consolidate to simplify your fabric.

Upgrade to the Brocade G730 Switch today.

Modernizing ensures high levels of security, reliability, and connectivity to high-performance storage. Data centers can consolidate and simplify the SAN fabric while using less physical space, needing fewer switches to manage, and enjoying lower power consumption. Choose the platform that will be available for years to come.

Features	6520 (Gen 5)	G630 (Gen 6)	G730 (Gen 7)
Port count and speed	96 x 16G ports	128 x 32G ports	128 x 64G ports
Latency (local switching)	700 ns (w/o FEC)	<780 ns	460 ns
Bandwidth	1.536 Tb/s	4.096 Tb/s	8.192 Tb/s
Security: Trusted FOS, hardware-based root of trust, secure optics, secure licensing	✗	✗	✓ Available for increased security of critical data, lowering risks to enterprises
Traffic Optimizer	✗	✗	✓ Available for optimized traffic performance by grouping like traffic and ensuring that slower traffic does not hinder performance
Hardware congestion signaling	✗	✗	✓ Available for quicker and more guaranteed delivery
NVMe telemetry	✗	✓ Port-to-port	✓ Granularity to the LUN/ storage partition
VM Insight / VMID+	✗	✓ Minimal ecosystem support	✓ Full ecosystem support
Bundled software: Fabric Vision, ISL Trunking, Integrated Routing, Extended Fabrics	Requires purchase of separate licenses or enterprise bundle	Requires purchase of separate licenses or enterprise bundle	✓ Included
Product availability	End-of-Life 9/21/22	✓ Available April 2018	✓ Available February 2022

To **learn more** about Brocade Gen 7 >

Contact your Brocade sales representative today >