

Brocade® Trusted FOS Certificates

Highlights of Brocade TruFOS

- Provide an additional level of security, ensuring that the switches have not been tampered with.
- Gain peace of mind of knowing that a switch has current support and entitlement.
- Guarantee that a switch is running an authentic operating system to ensure maximum performance availability of all security features.
- Purchase with ease because TruFOS Certificates are shipped with new switches.
- Automate the entire process of monitoring and managing TruFOS Certificates for all applicable switches with Brocade SANnav Management Portal.
- For more information, refer to the [Brocade Fabric OS Software Upgrade Guide](#).

Overview

The sophistication and volume of cybercriminal behavior have dramatically increased as a direct result of the added reliance on digital data by businesses. Counterfeiting and tampering with hardware and software have become a lucrative illegal trade that leads to billions of dollars in losses across all industries. The counterfeiting and tampering of software and equipment within the data center can cause serious damage and risk to your environment.

Even if compromised or illegitimate software functions properly, it could expose confidential security information that can be used at a later time. In addition, it may leave a potential opening to hackers because you might not be able to install critical security updates to the switches. Nonlegitimate software potentially negates the ability to update the operating system and apply maintenance and security fixes.

Introducing Brocade® Trusted FOS Certificates

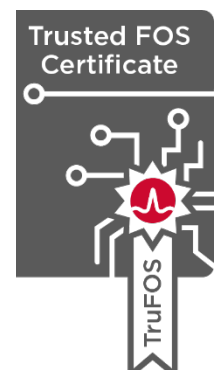
Brocade, a Broadcom company, provides the industry's leading Fibre Channel storage area network (SAN) switches and directors. These high-performance, highly reliable Fibre Channel switches and directors address a wide range of mission-critical business requirements.

Brocade Trusted FOS or "TruFOS" Certificates ensure that enterprise switch and director environments are currently covered with support and securely enabled to perform critical operations without you having to worry about whether the operating system has been tampered with. Brocade TruFOS Certificates guarantee that a switch is running authentic Fabric OS® (FOS) code in a manner that is fully supported by Broadcom and our OEM partners. Each TruFOS Certificate is uniquely generated for an individual switch, verifying that the switch and the FOS image are genuine, unmodified Brocade products.

Brocade TruFOS Certificates are supported on all Gen 6 and Gen 7 switches in the following ways:

- All new enterprise switches and directors (X7-8/4, X6-8/4, G730 and G630) with FOS v9.0 or later factory-installed already include TruFOS Certificates, regardless of the Broadcom OEM partner.
- All new midrange and entry-level switches (G720, G620, G610 and 7810) with FOS v9.2 or later factory-installed include TruFOS Certificates, regardless of the Broadcom OEM partner.

Switches and directors shipped with FOS versions prior to v9.0/9.2 can obtain a TruFOS Certificate at no cost simply by requesting it from the Brocade Customer Support Portal or through an OEM Assist site. Customers using the Brocade SANnav™ Management Portal to manage their environments can automate the entire process of managing TruFOS Certificates for all applicable switches.



Time to Update Brocade Trusted FOS Certificates?

The Brocade Monitoring and Alerting Policy Suite (MAPS), as well as the Brocade SANnav Management Portal, will send out notifications when Brocade TruFOS Certificate expiration dates are approaching or have expired. Brocade MAPS events are generated weekly when a certificate is within 60 days of expiration and are generated monthly following expiration. The Brocade SANnav Management Portal also alerts users of upcoming TruFOS Certificate expiration 60 days in advance.

In the unfortunate case when a TruFOS Certificate has expired, there will be no impact to the operation, connectivity, or any other behavior related to regular SAN fabric operations. The only functional restriction is not being able to load the FOS level from which Brocade TruFOS Certificates are required:

- All enterprise switches and directors (X7-8/4, X6-8/4, G730 and G630) FOS v9.1.0 or later releases.
- All midrange and entry switches (G720, G620, G610 and 7810) FOS v9.2.0 or later releases.