

UNCLASSIFIED

**IDENTIFICATION OF VOLATILE
AND NON-VOLATILE STORAGE
AND
SANITIZATION OF SYSTEM
COMPONENTS**

**JUNIPER NETWORKS
QFX3008-I Chassis**

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1 INTRODUCTION

1.1 Purpose

The purpose of this document is to provide direction to identify and remove all non-volatile (NV) storage from the Juniper Networks QFX3008-I switching platforms.

1.2 Scope

This document only addresses the QFX3008-I switching platforms. While other platforms offered by Juniper Networks may contain similar hardware components, this document only applies to these devices. Furthermore, this document only provides direction for the identification and removal of NV storage components. It does not address destruction procedures for those components. As all of the NV storage components used in the QFX3008-I are commercial off-the-shelf (COTS) components, directions for destruction of those components are left to the governing Department, Agency, or Office.

2 EQUIPMENT OVERVIEW

2.1 Identification of Chassis

The QFX3008-I switch delivers a high-performance, ultra low latency, feature rich L2 and L3 solution for supporting a wide range of deployment scenarios including traditional and virtualized data centers, high-performance computing, network-attached storage, converged server I/O, and cloud computing. Working with QFX3500/QFX3600 Nodes and QFX3100 Directors, the QFX3008-I delivers a switch fabric solution for the Juniper Networks QFabric architecture.

The QFX3008-I offers 128 quad small form-factor pluggable plus (QSFP+) ports in a 21 U form factor, delivering a switch fabric interconnect for up to 64 QFX3500 or QFX3600 Nodes.

When deployed with the other components of the QFabric architecture, the QFX3008-I, which is manageable by Junos Space, delivers a QFabric Interconnect solution that contributes to a high-performance, low latency fabric.

To provide carrier-class reliability, the QFX3008-I includes:

- Two redundant wiring trays
- 2 x 3 redundant, field-replaceable and hot-swappable power supplies
- Dual hot-swappable fan trays for the front card cage
- Eight hot-swappable side fan trays for the rear card cage
- Dual redundant system Control Boards

Figure 2-1: QFX3008-I Front and Rear View



2.2 Description of Field Replaceable Units (FRU)

Field-replaceable units (FRUs) are components that you can replace at your site. The FRUs in QFX3008-I chassis are:

- Wiring tray
- Power supply
- Front fan tray
- Side fan tray
- Control Board
- QFX3008-SF16Q front card
- QFX3008-SR1 rear card

The power supplies, fan trays, control board, and front and rear cards are hot-removable and hot-insertable; they can be removed and replaced without powering off the switch.

The wiring tray is not hot-removable or not-insertable. Power to the wiring tray must be disconnected prior to removal or insertion.

3 POWER DOWN AND REMOVAL OF NON-VOLATILE STORAGE

To ensure that no user data or system configurations remain resident on a QFX3008-I platform, the following steps must be performed:

1. Power must be removed from the system to clear all volatile storage
2. If present, remove external USB Flash drive
3. The Flash storage must be removed from the system board

A detailed process is included in the following sections.

3.1 System Power Down

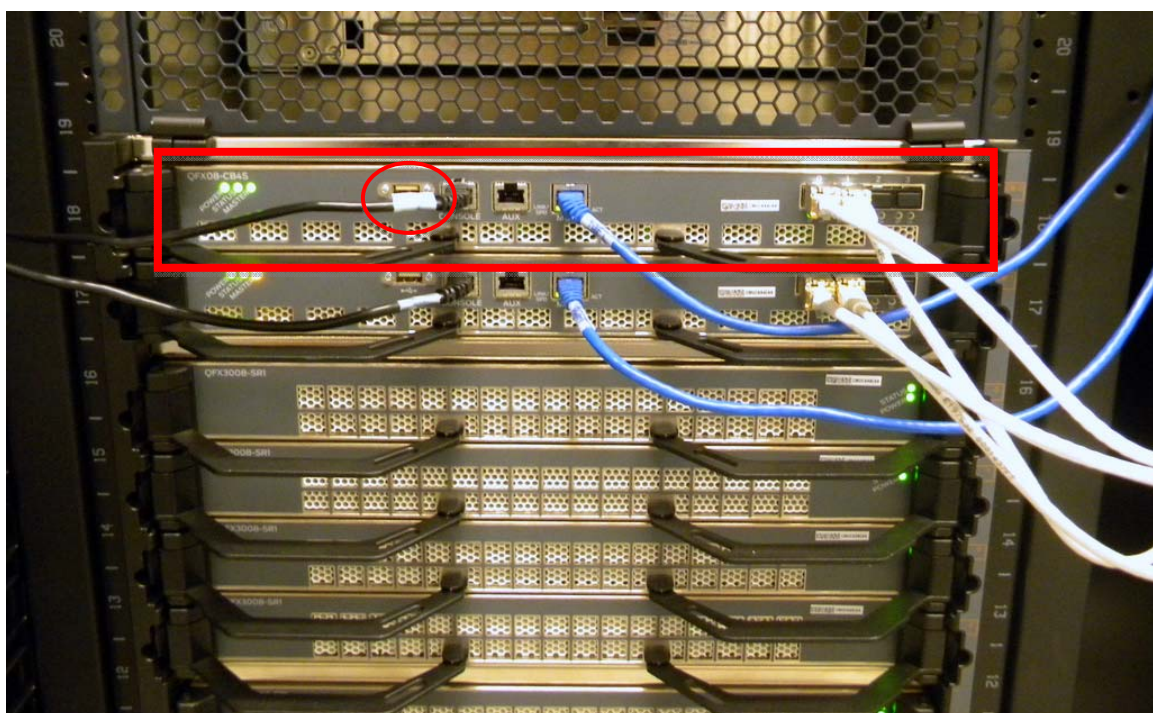
The system can be powered down by switching the wiring tray circuit breaker (delta and wye wiring tray) or power switch (C19 wiring tray) on both wiring trays.

3.2 Disassembly of the QFX3008-I Chassis and Identification of NV storage

All configuration data is on the pluggable module on each Control Board. The module that is soldered to the board ONLY has the low-level boot code.

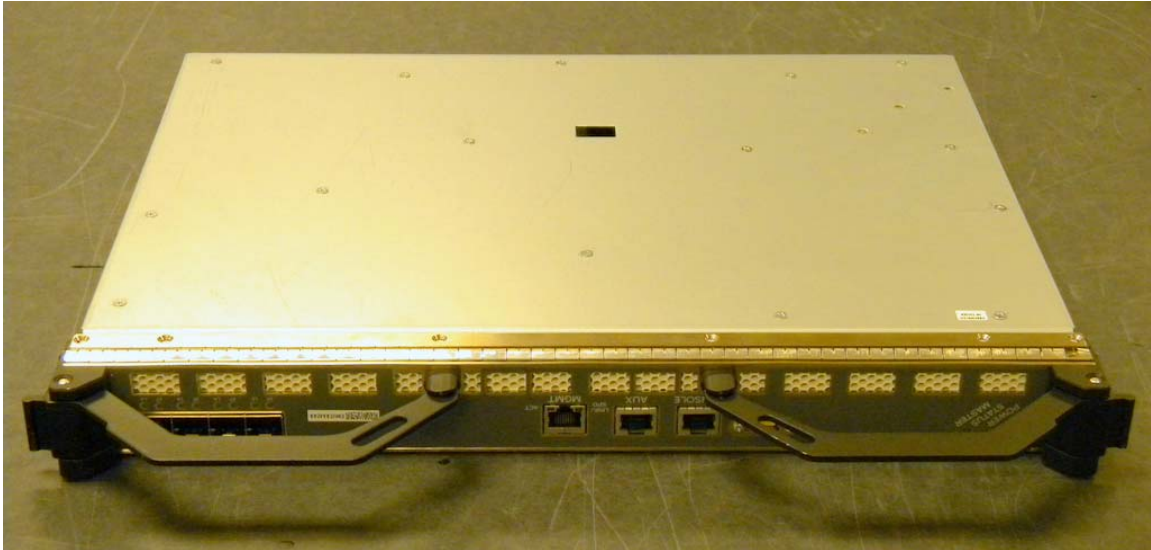
- 1) Locate Control Board 0 on the rear of the system. If present, remove the external USB Flash drive from the bulkhead connector.

Figure 3-1: CB slot 0 and external USB connector in red highlight.



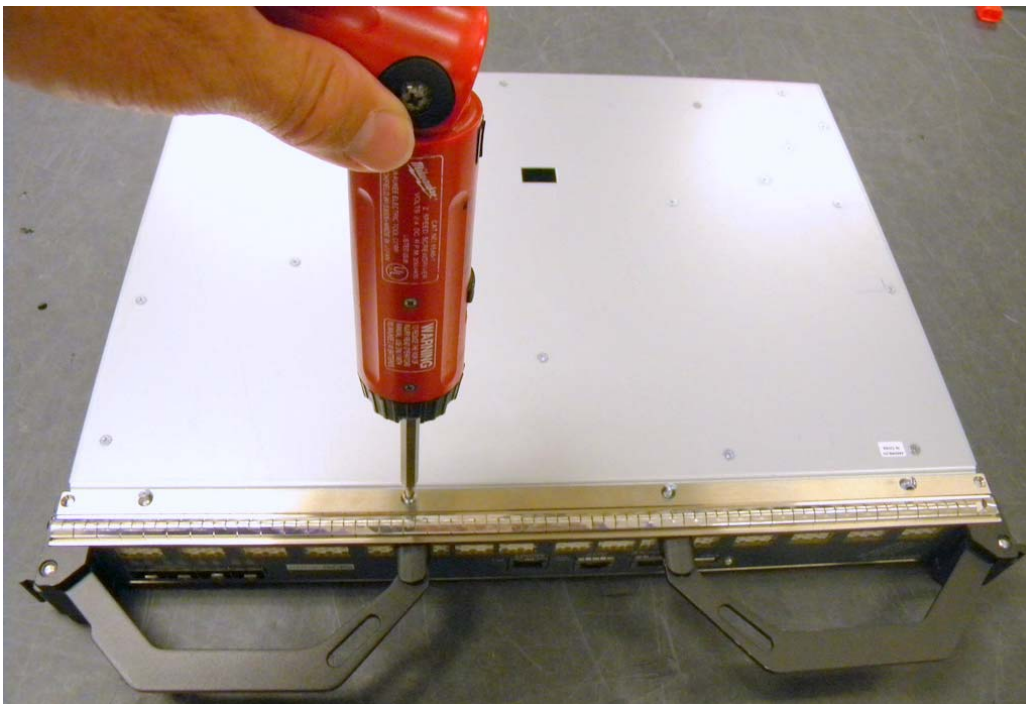
- 2) Remove the Control Board in slot 0 from the QFX3008-I. Place the control board upside down.

Figure 3-2: CB removed from system, upside down.



- 3) Remove the screws from the sheetmetal cover.

Figure 3-3: Removing the screws.



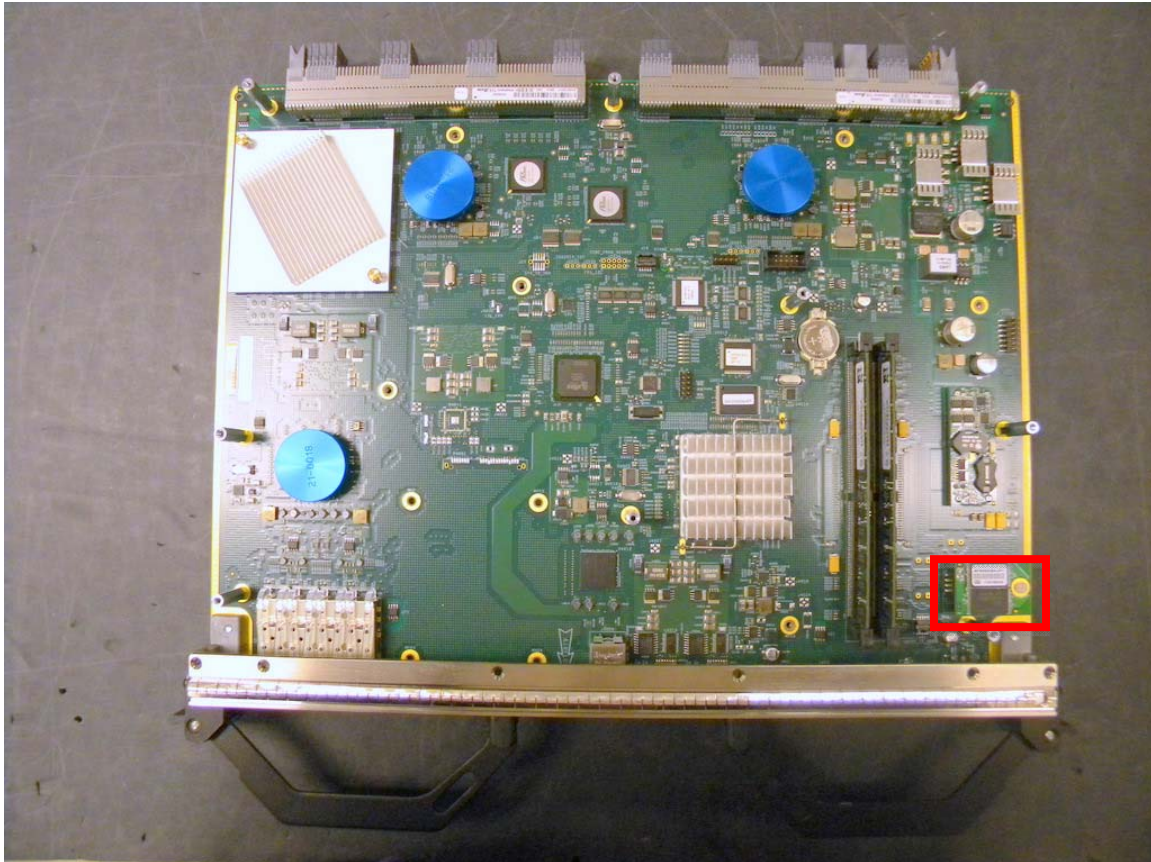
4) Remove the sheet metal cover.

Figure 3-4: Removing the cover.



5) Locate Pluggable NV storage (Figure 3-5).

Figure 3-5: Pluggable NV storage shown in red highlight.



6) Repeat steps 1-4 for the Control Board in slot 1.

3.3 Removal of the Pluggable Flash

Remove the pluggable flash component. It is not required to remove Flash on the motherboard, which only has boot code.

NOTE: Before removal, ensure that J-TAC and the appropriate account team have been notified of your intentions.