

## Storage & System Cleanup

### Checking Available Storage

- show system storage command

### Cleanup Task

- request system storage cleanup

↳ free storage

- request system storage cleanup

dry-run

↳ check what will be deleted

(but) cannot delete.

- request system zerosize

↳ removes all configurations who  
& reverts to factory settings.

# Junos OS Upgrade

- Show version

The Junos Naming Convention: Part 1

Junos OS uses the following naming convention:

Field Name	Description
package-prefix	Name of the Junos OS package followed by platform and product

arch CPU architecture  
abi 32 bit or 64 bit of CPU architecture  
release Major and minor releases type.

edition: Null (empty) or limited

extension: tgz, gz, inj

R1: FRS release

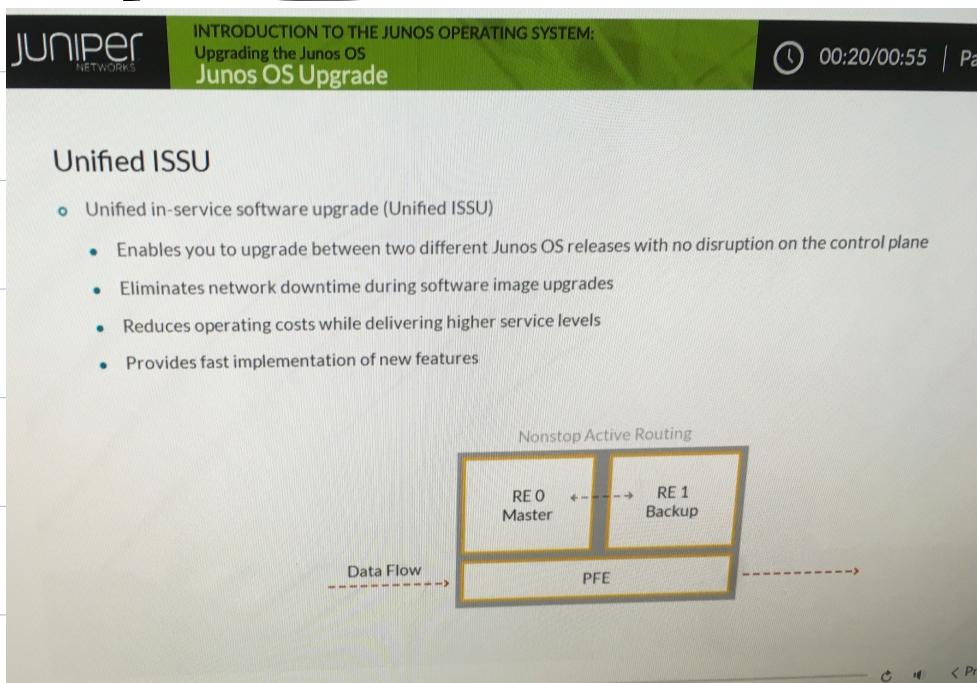
B: Beta

S: Service,

## Upgrading Junos OS

- request system software add }  
<path> [newe name >]

## Unified ISSU

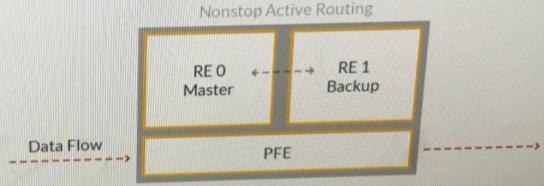


The image shows a presentation slide from Juniper Networks titled "INTRODUCTION TO THE JUNOS OPERATING SYSTEM: Upgrading the Junos OS Junos OS Upgrade". The slide has a green header bar with the Juniper logo and navigation icons. The main content area is titled "Unified ISSU" and contains a bulleted list of benefits and a diagram of the Nonstop Active Routing architecture.

**Unified ISSU**

- Unified in-service software upgrade (Unified ISSU)
  - Enables you to upgrade between two different Junos OS releases with no disruption on the control plane
  - Eliminates network downtime during software image upgrades
  - Reduces operating costs while delivering higher service levels
  - Provides fast implementation of new features

Nonstop Active Routing



The diagram illustrates the Nonstop Active Routing architecture. It shows three main components: RE 0 Master (top left), RE 1 Backup (top right), and PFE (bottom). A dashed red arrow labeled "Data Flow" points from the bottom towards the top, indicating the flow of traffic between the PFE and the RE units. Bidirectional dashed arrows connect the RE 0 Master and RE 1 Backup units, representing their active-passive failover relationship.

<http://www.juniper.net/learn/junos/intro/junos-operating-system-upgrading-junos-os-upgrade>

INTRODUCTION TO THE JUNOS OPERATING SYSTEM:  
Upgrading the Junos OS  
Junos OS Upgrade

HELP RESOUR

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Performing a Unified ISSU

To perform a unified ISSU, complete the following steps:

- 1 Enable GRES and NSR and verify that the Routing Engines and protocols are synchronized.
- 2 Download the new software package from the Juniper Networks Support website and then copy the package to the router.
- 3 Issue the `request system software in-service upgrade` command on the primary Routing Engine.

+LAB!!

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