

DEPLOYMENT | REV 2.0 | REVIEWED 2026-10-10

Network deployment & rollback acceptance

01 / Quick reference and concepts

Define what working means before the cutover, preserve a recovery path and close with evidence rather than a reachable CLI.

Engineer-authored change workflow for switches, routers and firewalls. Example checks are read-only; the Junos commit sequence explicitly changes device state.



Choose acceptance and rollback triggers before activation. Keep console/out-of-band access and assign the person who makes the recovery decision.

Stage	Record / test	Decision
Before	Ports, VLANs, routes, peers, HA, versions	Compatible and recoverable?
Activation	Approved scope and start time	Access and timer preserved?
Acceptance	Real flows, intended denies, redundancy	All agreed criteria pass?
Recovery	Known-good state and owner	Trigger reached or timer near expiry?
Closure	Save / confirm, monitor, document	Evidence and ownership complete?

What to understand first

- A backup is only useful if it is compatible, accessible and recoverable with the available access path. Record credentials through the approved secret-management process, not in the worksheet.
- Baseline the affected service and nearby dependencies. Include management, DNS, DHCP, routing, VPNs and monitoring where they are in scope.
- Acceptance needs source-specific application tests and intended denies. A successful commit, link-up state or management ping is evidence of only part of the change.
- Recovery differs by platform: IOS XE often applies running changes immediately; Junos candidate/confirmed commits have a timer; PAN-OS commit and Panorama push jobs have distinct target scope.

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02 / Commands and worked example

Replace documentation addresses, example interfaces and every <PLACEHOLDER>. Check command help for your model/release and routing context. Examples are documentation-reviewed, not executed on customer equipment.

Cisco IOS XE

Read-only EXEC

```
show interfaces status
show interfaces trunk
show ip route 192.0.2.10
show ip bgp summary
```

Inspect: Choose only commands supported by this device and relevant to the approved change; compare with baseline.

Junos

Read-only operational

```
show interfaces terse
show route 192.0.2.0/24 detail
show system commit
```

Inspect: Verify the correct instance and confirmed-commit timing; keep an independent management path.

PAN-OS

Read-only operational

```
show config diff
show jobs all
show high-availability state
```

Inspect: Review scope and job outcome. A Panorama push must be checked on the intended target devices.

Junos configuration-mode sequence - changes device state

Illustrative teaching example, not captured device output.

```
show | compare
commit check
commit confirmed 5 comment "CHG-123 validation window"
run show system commit
commit comment "CHG-123 validated"
```

- Stage only the approved candidate. Run commit check before the timed commit; it can confirm an already-pending confirmed commit.
- Issue the final commit only after acceptance. Track the timer. Rollback loads a candidate and requires a commit; choose the correct revision.

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03 / Troubleshooting and acceptance

1. Record current topology and a timestamped baseline; verify compatibility and the recovery method.
2. Assign change, test and recovery owners with an agreed deadline and stop conditions.
3. Make the reviewed change while preserving console/out-of-band access and any confirmed-commit timer.
4. Test management, actual allowed flows, intended denies and approved redundancy behavior.
5. If acceptance fails, follow the reviewed recovery decision; otherwise save/confirm, monitor and update documentation.

Common mistakes

- Starting without a working independent access path.
- Using a generic rollback command without knowing its state and revision.
- Confirming the change before application tests finish.

Acceptance checks

- Every agreed test has an owner, timestamp and result.
- Accepted configuration is saved/confirmed and monitoring is clean.
- Recovery records and as-built documentation are complete.

Primary references

[Junos commit and confirmed rollback](#)[Cisco configuration replacement](#)[PAN-OS networking CLI](#)

Original Wolex diagrams, scenarios and troubleshooting sequences. Vendor names identify platform scope; no affiliation is implied.

[Read the full web guide and supporting references](#)[Deployment and migration help](#) | [Network security review from Wolex](#)