

WOLEX / NETWORK FIELD REFERENCE

Cross-vendor field checks | Troubleshooting

Application flow / deployment | Revision 1.0 | Reviewed 2026-10-10

Engineer-authored workflow. Record exact endpoints, protocol, ports, time and routing context; verify every direction independently.

Read-only inspection unless labeled otherwise. Replace every example address, interface and <PLACEHOLDER>. Confirm syntax with device help for your release.

Trace a failed application flow

Read-only inspection

Inspect: Write source, destination, TCP/UDP port, time, source VLAN/VRF and expected path. Separate DNS resolution from reachability.

Next: Check link -> VLAN/MAC -> gateway/ARP -> route -> policy/NAT -> session -> reverse path. Keep the failing tuple unchanged between tests.

Engineer-authored method. Do not substitute a device management ping for the affected client application test.

Small ping works, transfer stalls

Workflow / scoped active test

Inspect: Compare packet sizes, path MTU, tunnel overhead and whether required ICMP feedback is permitted.

Next: Use a scoped, rate-limited size test in both directions with platform-appropriate DF options; correlate counters or an approved filtered capture.

Active probes generate traffic. Do not guess a universal MTU or enable an unrestricted production capture.

Build a useful escalation handoff

Read-only inspection

Inspect: Collect model/release, timestamp/timzone, topology, affected tuple, counter deltas and relevant sanitized outputs.

Next: State what works, what fails, the last change and which hop is supported by evidence. Record the owner and next validation step.

Remove secrets and unnecessary customer identifiers. Full support bundles can be large and sensitive; gather deliberately.

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Before / during / after deployment

Change planning

Inspect: Before: record ports, optics, VLANs, peers, routes, management path, version compatibility and an approved backup. Define acceptance and rollback triggers.

Next: During: make one reviewed change, track timing and preserve console access. **After:** test management plus real services, intended denies, redundancy and monitoring; compare with baseline.

Close only after acceptance, saved/confirmed configuration and updated documentation. A reachable CLI is not full deployment acceptance.

Change acceptance checklist

Before: approved scope, baseline, compatible software/optics, protected backup, console access and recovery owner.

After: compare links, VLANs, peers and routes; test management from a separate path, real application traffic, intended denies and redundancy. Record evidence and time.

Close: save or confirm the accepted configuration, update documentation and retain the reviewed recovery path.

Not executed on customer equipment. Documentation-reviewed examples; platform features and syntax vary. No login, config upload or device connection.

Live reference: wolex.net/tools/network-cheat-sheets/

Deployment and migration help from Wolex | [Network security review](#)