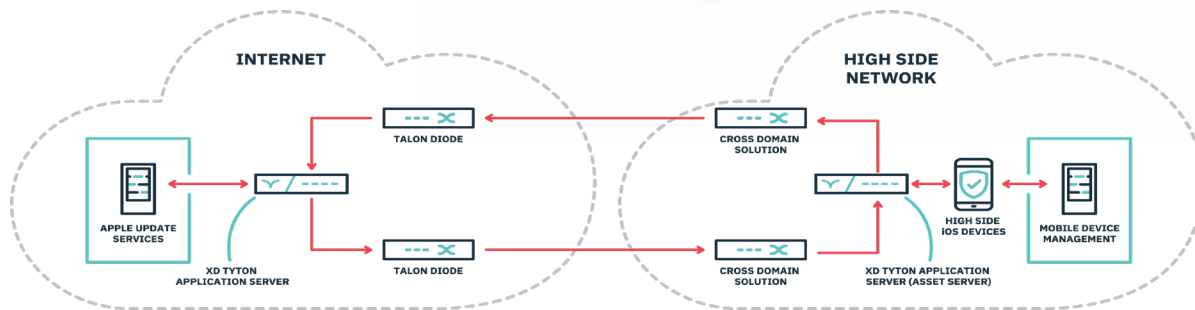


XD Tyton™ Performance Test Results

Performance Test – 12,500 Devices

Generated 2026-08-18



Apple provides the iOS updates through Apple services. Owl does not provide the MDM or iOS device(s) pictured in the above diagram.

Test Performance Summary

During this performance test, XD Tyton sustained 12,500 concurrent simulated Apple iOS® devices, successfully completing 125,000 update-authorization requests with an overall error rate of 0.00%. These results demonstrate the device fleet scale a comparable deployment can reliably support.

Metric	Value
Max Concurrent Devices	12,500
Total Requests Processed	125,000
Success Rate	100.00%
Error Rate	0.00%
Traffic Shaping	Enabled (Delay: 25ms, Bucket Size: 200000)

Test Configuration

Testing was performed with XD Tyton against the full Owl cross-domain architecture. Simulated Apple iOS devices on the Highly Restrictive Network (HRN) — the disconnected high-side — sent update-authorization requests to the XD Tyton high-side application server, which parsed each request into structured XML and sent it across the one-way boundary — through the Owl Cross Domain Solution (CDS) for schema validation, then an Owl Talon® data-diode — to the XD Tyton low-side application server on the Internet-connected low-side. Responses returned over the low-to-high path, through the Talon data-diode then the Owl CDS.

Traffic Shaping:

Delay: 25ms, Bucket Size: 200,000 — each request was subject to a 25ms delay, and up to 200,000 requests could be in-flight at once before throttling kicked in.

iPhone, iPad, iOS, and iPadOS are trademarks of Apple Inc., registered in the U.S. and other countries.

Owl Cyber Defense solutions are independently developed and are not sponsored, endorsed, or certified by Apple Inc.