

How to Use Admiral WatchTower to Monitor Linux Servers



Goals:

Streamline the process of onboarding multiple Ubuntu and Proxmox servers and identify usage patterns.

WatchTower Enabled the Operator to:

- ☀ Track **CPU usage patterns** during peak subscriber hours.
- ☀ Monitor **disk usage trends** to catch storage growth weeks in advance.
- ☀ Watch **memory utilization trends** to identify runaway processes.
- ☀ **Get alerts** when failures occur.

Workflow in Practice:

- 1 In the Admiral Dashboard WatchTower module, select the nearest MikroTik to the server.
- 2 Enter the SNMP community.
- 3 Add servers via SSH credentials.
- 4 Real-time graphs appear automatically
- 5 Alerts trigger automatically. For example, the system alerts when disk usage passes 85%.

Results:

Historical data showed a server consistently spiking at month-end, proving a need for a resource scaling plan.

How to Use Admiral WatchTower to Monitor Ubiquiti Wave LR



Goals:

Monitor vital Ubiquiti Wave LR long-range radios that are essential in backhauling traffic between tower sites.

WatchTower Enabled the Operator to:

- ☀ Track **bandwidth utilization graphs** over time.
- ☀ Measure **latency trends** to detect congestion.
- ☀ Monitor **signal quality** and link health.
- ☀ Receive **real-time alerts** for degraded performance.
- ☀ Receive additional alerts when the **60Ghz fails** and the 5Ghz takes over.

Workflow in Practice:

- 1 Add radios with SNMP credentials.
- 2 Review WatchTower graphing throughput and latency.
- 3 Alerts notify of failovers and usage thresholds.

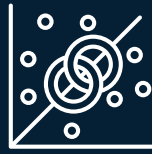
Client Quote:

“With WatchTower, we feel like we finally have a more informed picture of our network — not just the routers, but the servers and radios too.”

Impact of Historical Data



Spot recurring CPU spikes



Correlate bandwidth growth with new subscriber sign-ups and higher usage



Plan **capacity upgrades** with data-backed confidence



Prove link stability and capacity during reviews using **visual reports**

Alerts that Prevent Downtime

A disk alert caught a storage node at **92% full** before it locked up and crashed.

Failover alerts on a Wave LR helped **reroute traffic** during interference.

CPU alerts revealed a server that had a **hung application** that needed addressing.

Results of the Pilot

- ☀ **Fewer outages:** Proactive alerts stopped issues from escalating.
- ☀ **Simpler workflows:** MikroTik, Linux + Wave LR radios managed in one dashboard.
- ☀ **Smarter planning:** Historical data shaped upgrade decisions.
- ☀ **Happier operators:** Less tool-juggling, faster responses.