



Watchman

Achieve a detailed view of your network path, highlight performance metrics at each hop, and unlock end-to-end network visibility. Utilise data-driven insights into Wi-Fi and network performance and access on-demand customised scripts to establish exactly where connectivity issues are occurring.

WhiteSpider's Watchman: Solving Workplace Connectivity Issues

WhiteSpider Watchman is a network intelligence platform designed to provide visibility into end-user experience and health across various networks and services. Watchman uses a comprehensive approach to monitoring and diagnosing performance issues across wireless, wired LANs, and WAN/SD-WAN infrastructures.

Watchman operates using small custom-built Raspberry Pi 'Agents' (which are called Watchman Agents) that are positioned anywhere you wish across your network. They can be connected to your wired or wireless networks, and once connected will emulate application traffic from the device to the application host.

Optimise End-user Experience and Network Efficiency

Boost Cost-effectiveness & Ensure Appropriate Budget Allocation

With no cap on the number of tests, Watchman provides real-time insights into network performance and end-user experiences, empowering you to allocate resources based on detailed insights.

- Customised Scripts

Enhance Visibility, Reporting & Analysis of Infrastructure

Automate monitoring of key attributes and assess metrics, enabling you to prioritise connectivity issues accordingly and achieve effective orchestration of infrastructure.

- Real-time Monitoring

Improve Digital Experience for Users & Clarity for Management

Unlock unparalleled flexibility and insight through customised scripts to enhance the digital experience for the end-user and enrich observability for management.

- Analytical Dashboard

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- Data-driven Insights

Data-driven Insights into Actual Performance & Behaviour of Infrastructure

Determine the root cause of your connectivity issues with Watchman and address issues before they snowball into bigger problems for end-users and applications.

- Remote Diagnostics*

Toolsets for Network Performance Monitoring and End-user Experience



Granular Customisation

Create your own bespoke scripts either on-site or virtually, providing a unique diagnostic capability such as remote packet capture and Console over IP.



Key Insight

A custom dashboard, providing you insight into key performance indicators as to which Watchman Agent, where, and when, offering a comprehensive view of network health.



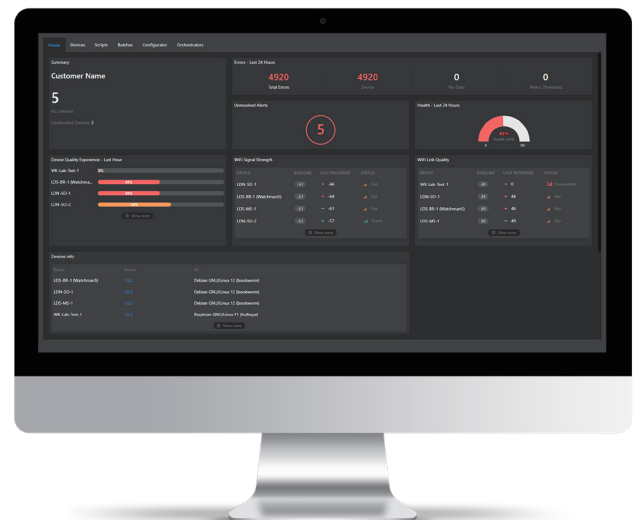
WAN & SD-WAN Monitoring

Monitor WAN links and SD-WAN performance, Watchman helps optimise routing, bandwidth allocation, and application delivery.



Device & Alert Management

Allocate hierarchical structure to Watchman Agents, customise which attributes you want to monitor, and set alert parameters to your liking.



Watchman's value-add is the ability to run customised scripts. These scripts help with testing and orchestration of infrastructure. WhiteSpider's Watchman has pre-packaged scripts for (but not limited to):

- Application Analysis
- Packet Capture

You can also create your own custom-scripts specific to your infrastructure depending on your requirements.

Watchman meticulously monitors sixteen key network attributes. Here are the attributes you would be able to monitor:

Wired & Wireless End-User-Experience (EuE):

- ✓ Frequency
- ✓ Bit Rate
- ✓ TX errors
- ✓ TX loss
- ✓ DNS response
- ✓ Link quality
- ✓ Signal level
- ✓ Ping latency
- ✓ External TCP connect time
- ✓ Internal TCP connect time
- ✓ External HTTP connect time
- ✓ Download speed
- ✓ Upload speed

End to End Application Performance:

- ✓ Path MTU Discovery
- ✓ End to end latency from user to application
- ✓ Per-hop latency
- ✓ TCP Optimisation performance
- ✓ TCP throughput
- ✓ Link loss
- ✓ Link Jitter
- ✓ QoS performance
- ✓ Application performance
- ✓ Overall end user experience

Getting Started

Book a 20-minute meeting with our team to find out more.

[Schedule Whiteboarding Session](#)

*Remote Diagnostics – see our FAQs for more information.



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