

nile

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# Nile Copilot for IT admins

Orchestrate your Nile Access Service  
with full visibility and control

Nile Access Service streamlines every aspect of your wired and wireless network lifecycle, guiding you seamlessly through design, deployment, and ongoing management and maintenance. It is backed by the industry's first service level guarantees for wireless coverage, network capacity, and overall system availability.

Nile Copilot application suite is purpose-built for IT admins to enable the orchestration of the Nile Service Block and gain crucial visibility and control. With Copilot, you gain:

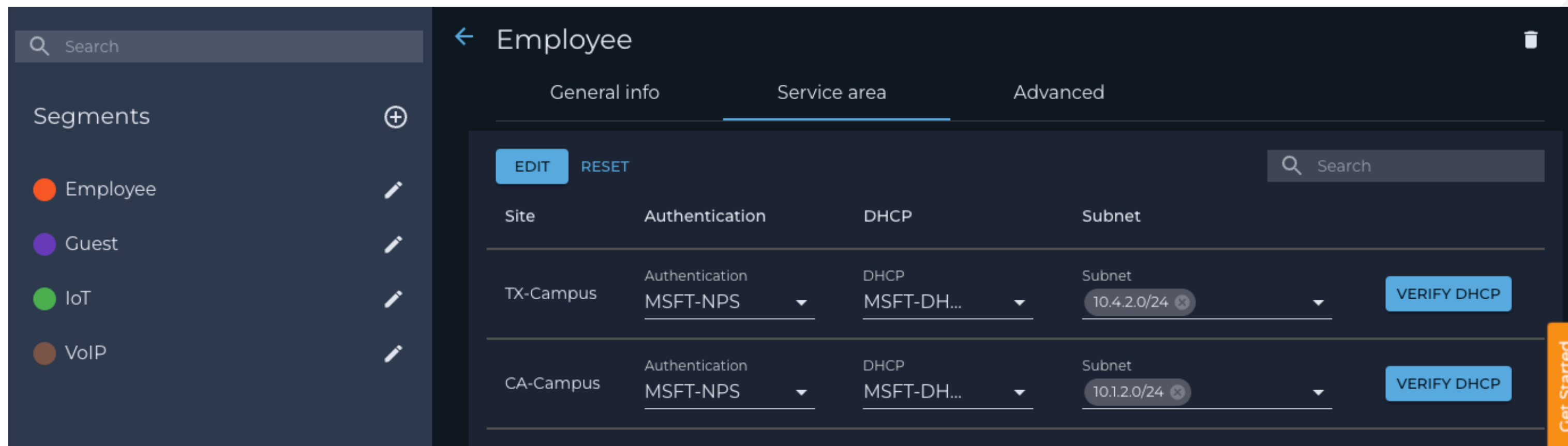
- Radically simplified provisioning
- Embedded zero trust security policies
- Full stack control and visibility

Join us for a swift exploration of the Nile Copilot, tailor-made for radically accelerated enterprise network operations.

## Radically simplified Provisioning:

Network provisioning tasks on traditional networks are time-consuming and error-prone.

With Nile Copilot, you can create a full stack wired and wireless network in just a few clicks.



For example, create any number of network segments that automatically configure secure zero-trust isolation zones. This eliminates the need for subinterfaces, L2 trunking, spanning-tree configurations, and individual access port and security policy setups. The network segments dynamically adapt and automatically follow devices as they change physical locations and switch ports.

Gain complete and simplified control over wireless service implementations to enhance security, isolation, and visibility while eliminating the need for separate WLAN controllers, wireless network management, zero trust, and NAC appliances.

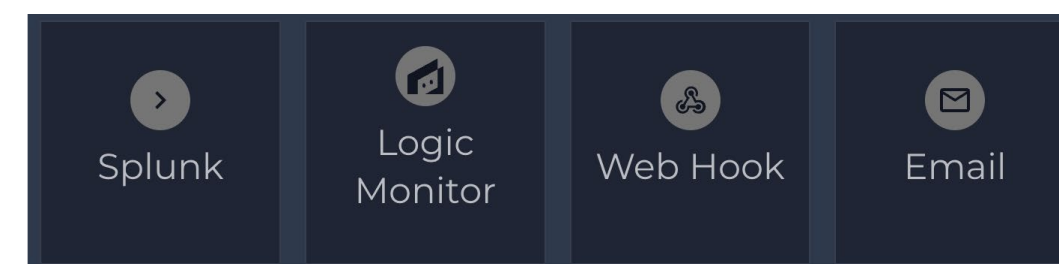
Nile enables seamless SAML integrations for SSO, aligning network that is identical to SaaS applications such as Microsoft 365 and Salesforce.

The screenshot shows the configuration page for a wireless service named "\_DemoCenter-Enterprise". On the left, there is a sidebar with a search bar and a list of wireless services: "\_DemoCenter-IoT", "\_DemoCenter-PSK", "\_DemoCenter-Guest", and "\_DemoCenter-Enterprise". The main area shows the configuration for the selected service. The "Type" is set to "Enterprise". The "Name" is "\_DemoCenter-Enterprise". There is a checkbox for "Hide SSID". The "Security" is set to "WPA2". The "Segments" are set to "Employee". A "Get Started" button is visible in the bottom right corner.

The screenshot shows the "Add authentication" dialog. It has two radio buttons: "Radius" (selected) and "Nile Guest". There are fields for "Name\*", "Port\*", "Shared secret\*", and "Geo scope\*". There are three "Host" fields: "Host 1\* IP or FQDN", "Host 2 IP or FQDN", and "Host 3 IP or FQDN". There is a "VERIFY HOSTS" button. There is a "DISPLAY NAS IPS" button. There is a message: "All sites have Radius server assigned". There is a "Guest portal URLs" section with a plus icon and a message: "No Guest portal URLs added". There are "CANCEL" and "SAVE" buttons.

Implement user and device authentication services using Radius or the Nile Guest cloud-based service to simplify the isolation of guest traffic and active portal access across localized points of presence (PoPs).

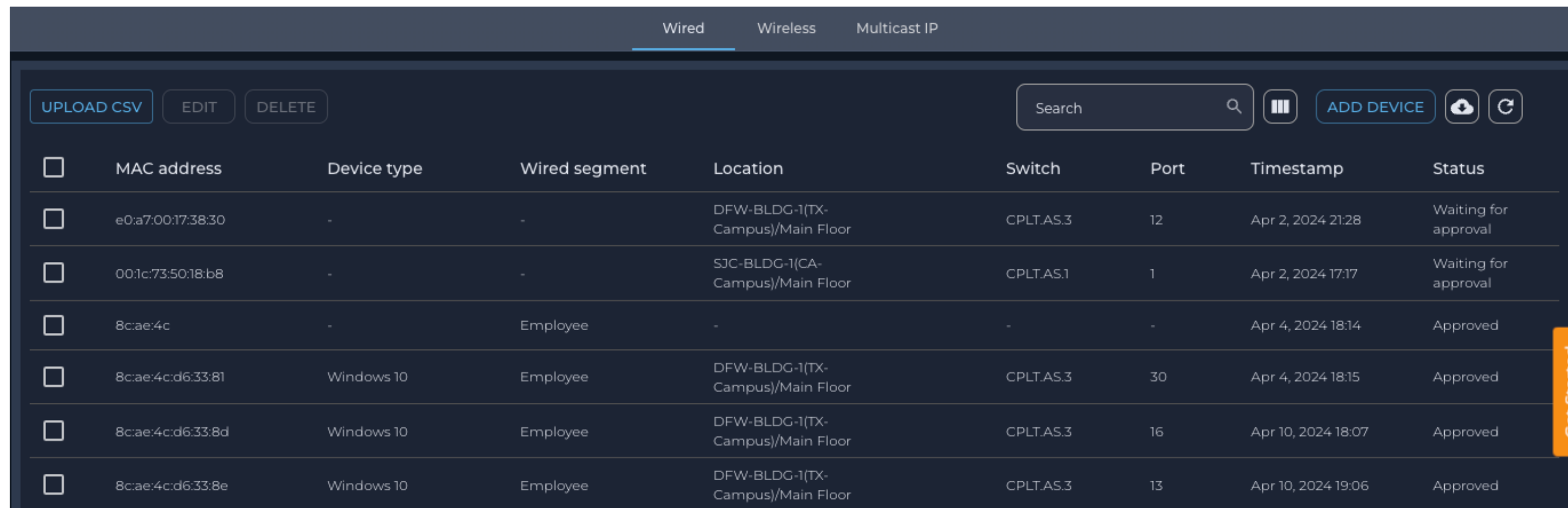
Easily integrate with external IT systems and network services like Splunk, LogicMonitor, HTTP-based web hooks, and email notifications.



## Embedded zero trust security policies

Approve or deny device access to zero trust network segments with ease. Devices can be brought into service at scale, utilizing versatile onboarding choices and rigorous access approvals to ensure precise control over device connectivity.

Once a device is associated with a wired segment, its network access policy dynamically adjusts as it relocates across network locations. Nile also simplifies the onboarding of headless devices (e.g., printers, cameras, IoT sensors, etc.) using a built-in access management system.



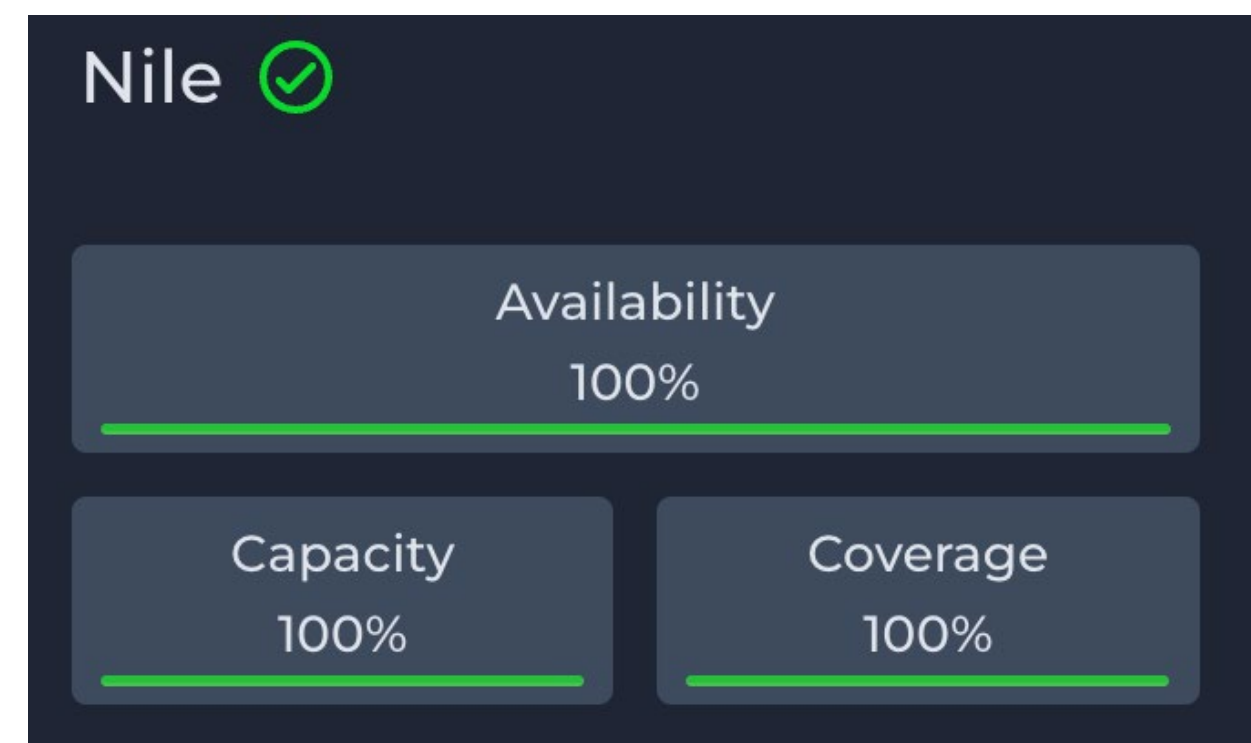
The screenshot displays the Nile network management interface. At the top, there are tabs for 'Wired', 'Wireless', and 'Multicast IP'. Below the tabs are buttons for 'UPLOAD CSV', 'EDIT', and 'DELETE'. A search bar and an 'ADD DEVICE' button are also present. The main content is a table with the following columns: MAC address, Device type, Wired segment, Location, Switch, Port, Timestamp, and Status. The table contains seven rows of data, with the first two rows having a status of 'Waiting for approval' and the remaining five rows having a status of 'Approved'. A vertical orange button labeled 'Get Started' is located on the right side of the table.

	MAC address	Device type	Wired segment	Location	Switch	Port	Timestamp	Status
<input type="checkbox"/>	e0:a7:00:17:38:30	-	-	DFW-BLDG-1(TX-Campus)/Main Floor	CPLT.AS.3	12	Apr 2, 2024 21:28	Waiting for approval
<input type="checkbox"/>	00:1c:73:50:18:b8	-	-	SJC-BLDG-1(CA-Campus)/Main Floor	CPLT.AS.1	1	Apr 2, 2024 17:17	Waiting for approval
<input type="checkbox"/>	8c:ae:4c	-	Employee	-	-	-	Apr 4, 2024 18:14	Approved
<input type="checkbox"/>	8c:ae:4c:d6:33:81	Windows 10	Employee	DFW-BLDG-1(TX-Campus)/Main Floor	CPLT.AS.3	30	Apr 4, 2024 18:15	Approved
<input type="checkbox"/>	8c:ae:4c:d6:33:8d	Windows 10	Employee	DFW-BLDG-1(TX-Campus)/Main Floor	CPLT.AS.3	16	Apr 10, 2024 18:07	Approved
<input type="checkbox"/>	8c:ae:4c:d6:33:8e	Windows 10	Employee	DFW-BLDG-1(TX-Campus)/Main Floor	CPLT.AS.3	13	Apr 10, 2024 19:06	Approved

## Full stack control and visibility

While the Nile Access Service automates many of the traditionally manual network functions, we recognize the importance of providing the necessary workflows in order for IT organizations to sustain the health of their infrastructure. With Copilot, we achieve this balance by providing customers with operational control and insightful visibility.

You gain visibility to Nile's service level guarantees in real-time, delivering visibility into Nile's continuous and precise availability, capacity, and coverage health checks. This is done via a mixture of physical sensors strategically placed throughout your network and virtual sensors within the Nile Wi-Fi access points. The Nile Access Service uses this data to automatically tune and adjust settings based on sensor data to ensure optimal network access experience.



All Nile site survey, cabling, and installation work orders can be tracked over time with real-time status, pending approvals, SLA commitment, and hardware component information for quick verification.

A screenshot of a 'Pending approvals' table with the following data:

Job ID	Job type	Location	Completed	Approve
1798	site_survey	TX-Campus/DFW-BLDG-1/Main Floor	Apr 02, 2024 16:59	APPROVE
1799	installation	TX-Campus/DFW-BLDG-1/Main Floor	Apr 03, 2024 10:53	APPROVE

A screenshot of a 'Site survey' details window showing the following information:

- Item:** Description
- Start time:** Apr 02, 2024 11:24
- End time:** Apr 02, 2024 11:31
- Onsite contact:** Copilot-Experience Center, Copilot-Experience Center 3590 North First Street, San Jose, California, USA, 95134 andrew.froehlich@nilesecure.com
- Attachments:** COPILOT.ESX

Below this is a table of hardware components:

Status	Device type	Serial number	Location	Notes	Installation time
●	Access Switch	[REDACTED]	-	-	Apr 02, 2024 11:45
●	Access Point	[REDACTED]	-	-	Apr 02, 2024 11:49
●	Head-End	[REDACTED]	-	-	Apr 02, 2024 11:45
●	Sensor	[REDACTED]	-	-	Apr 02, 2024 11:51

At the bottom right, it shows 'Rows per page: 5' and '1-4 of 4' with navigation arrows. A 'CLOSE' button is located at the bottom right corner of the window.

Create maintenance schedule

CA-Campus

Start time: 04-24-2024, 10:47 AM

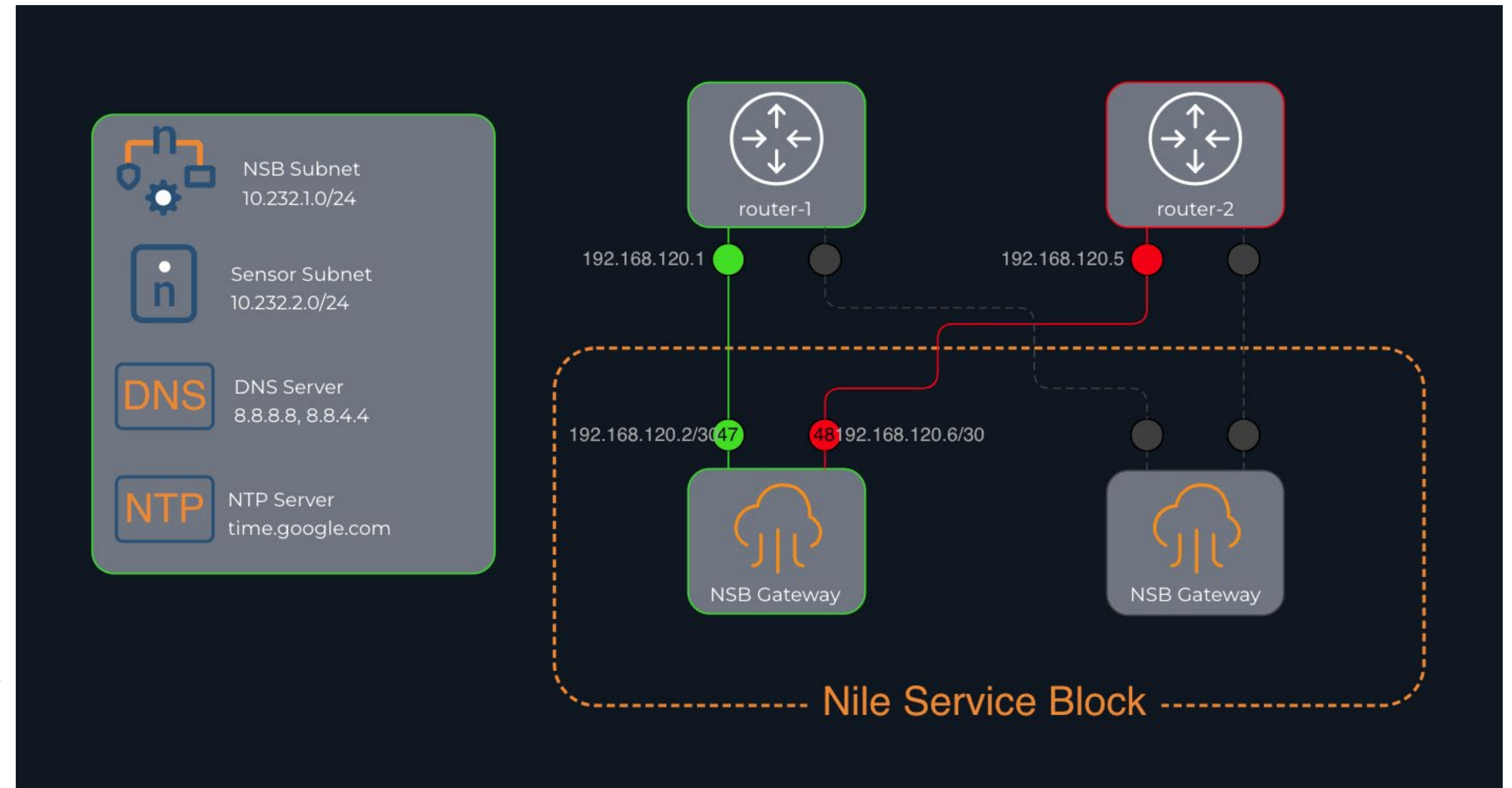
End time: 04-24-2024, 11:47 AM

Description\*

CANCEL CREATE

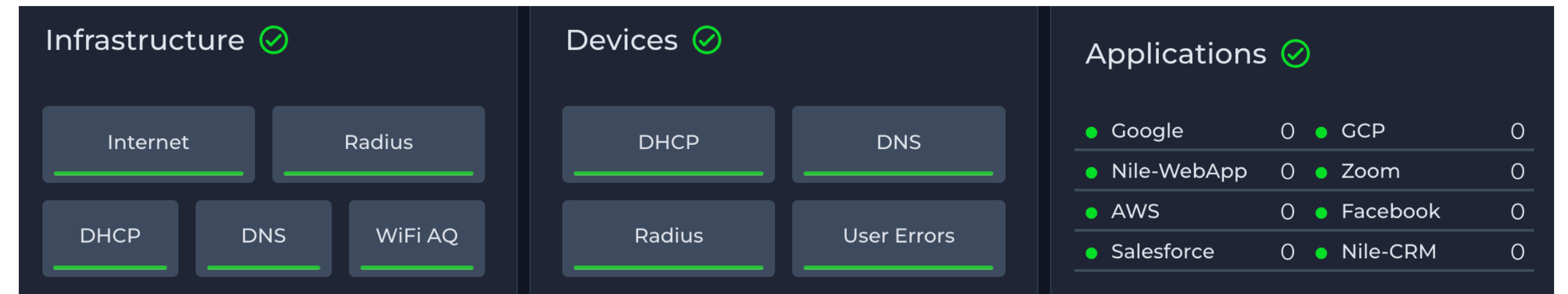
You can control the scheduling of recurring software updates and patches on your timeline with ease, and view the status of past and upcoming maintenance windows.

You can get a quick glance at the status of the per-site network topology, including Nile Service Block, router uplinks, management subnets, and DNS/NTP information.

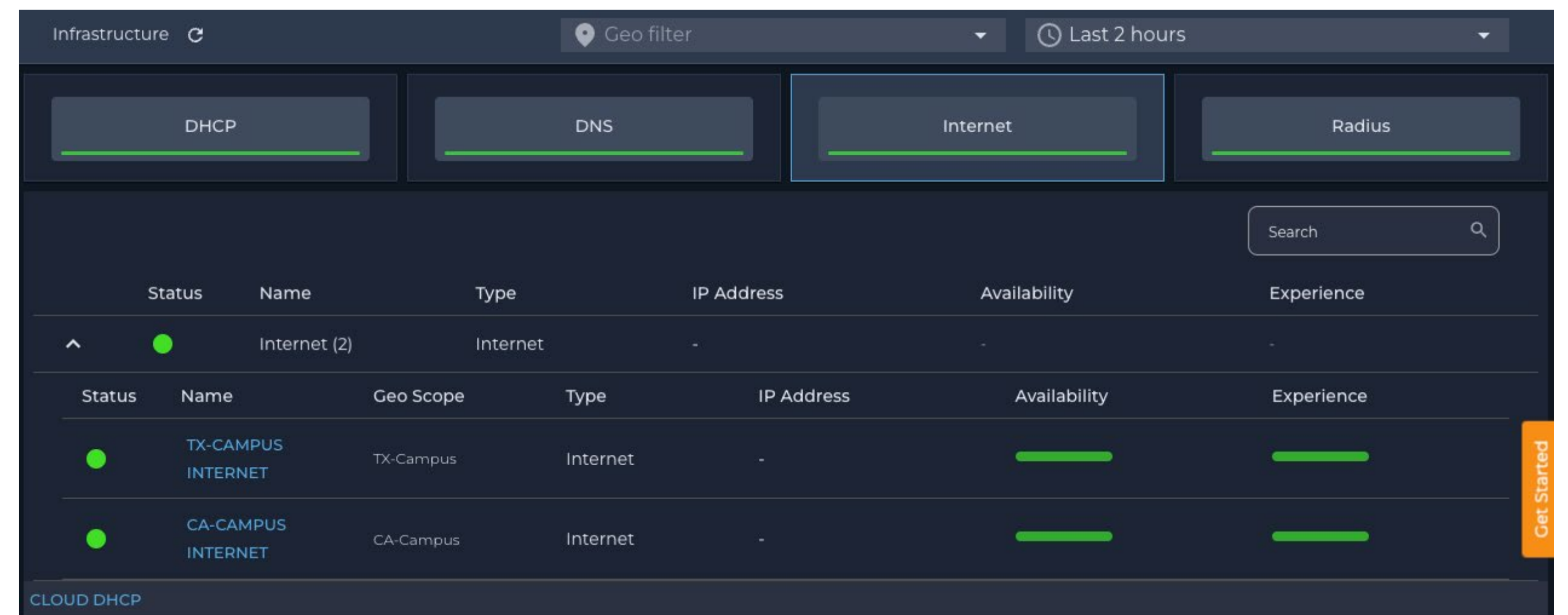




You can view essential insights on infrastructure, users/devices, and application health to verify the health of the network and associated network services.



With the infrastructure status page, you can view the health and status information for DHCP, DNS, internet, and Radius services.



Alerts & Audit [Geo filter](#)

[Alerts](#) [Audit Trail](#) [SCIM Audit](#)

Search

Time	Alert type	Alert details	Status
Apr 18, 2024 03:34	PERFORMANCE	Nile-WebApp is responding with higher than expected latency at site CA-Campus for 16 minutes	CLOSED
Apr 18, 2024 03:25	PERFORMANCE	Nile-WebApp is responding with higher than expected latency at site CA-Campus for 8 minutes	CLOSED
Apr 18, 2024 01:01	PERFORMANCE	Nile-CRM is responding with higher than expected latency at site TX-Campus for 9 minutes	CLOSED
Apr 17, 2024 20:01	PERFORMANCE	Nile-WebApp is responding with higher than expected latency at site TX-Campus for 7 hours 50 minutes	CLOSED
Apr 17, 2024 20:00	PERFORMANCE	Nile-CRM is responding with higher than expected latency at site CA-Campus for 9 minutes	CLOSED
Apr 17, 2024 20:00	PERFORMANCE	Nile-WebApp is responding with higher than expected latency at site CA-Campus for 7 hours 21 minutes	CLOSED
Apr 17, 2024 03:25	PERFORMANCE	Nile-WebApp is responding with higher than expected latency at site CA-Campus for 25 minutes	CLOSED
Apr 17, 2024 03:16	PERFORMANCE	Nile-WebApp is responding with higher than expected latency at site TX-Campus for 35 minutes	CLOSED
Apr 16, 2024 20:01	PERFORMANCE	Nile-WebApp is responding with higher than expected latency at site TX-Campus for 7 hours 14 minutes	CLOSED
Apr 16, 2024 20:00	PERFORMANCE	Nile-WebApp is responding with higher than expected latency at site CA-Campus for 7 hours 20 minutes	CLOSED

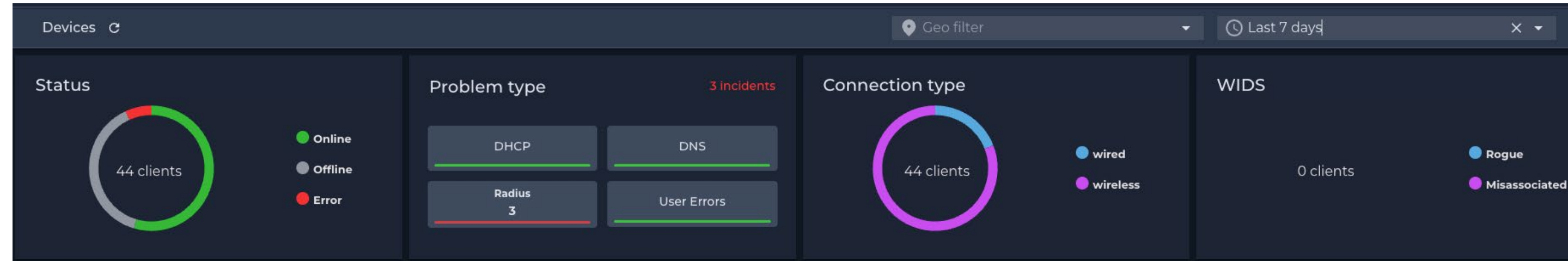
Rows per page: 10 1-10 of 230

Get Started

The Alerts & Audits page provides you with real-time and historical network alerts, complete with comprehensive audit trails, effectively reducing network device and service troubleshooting times.



You can instantly gain insight into critical details, such as device status information, infrastructure component or end point connection problems, and wireless IDS notifications.

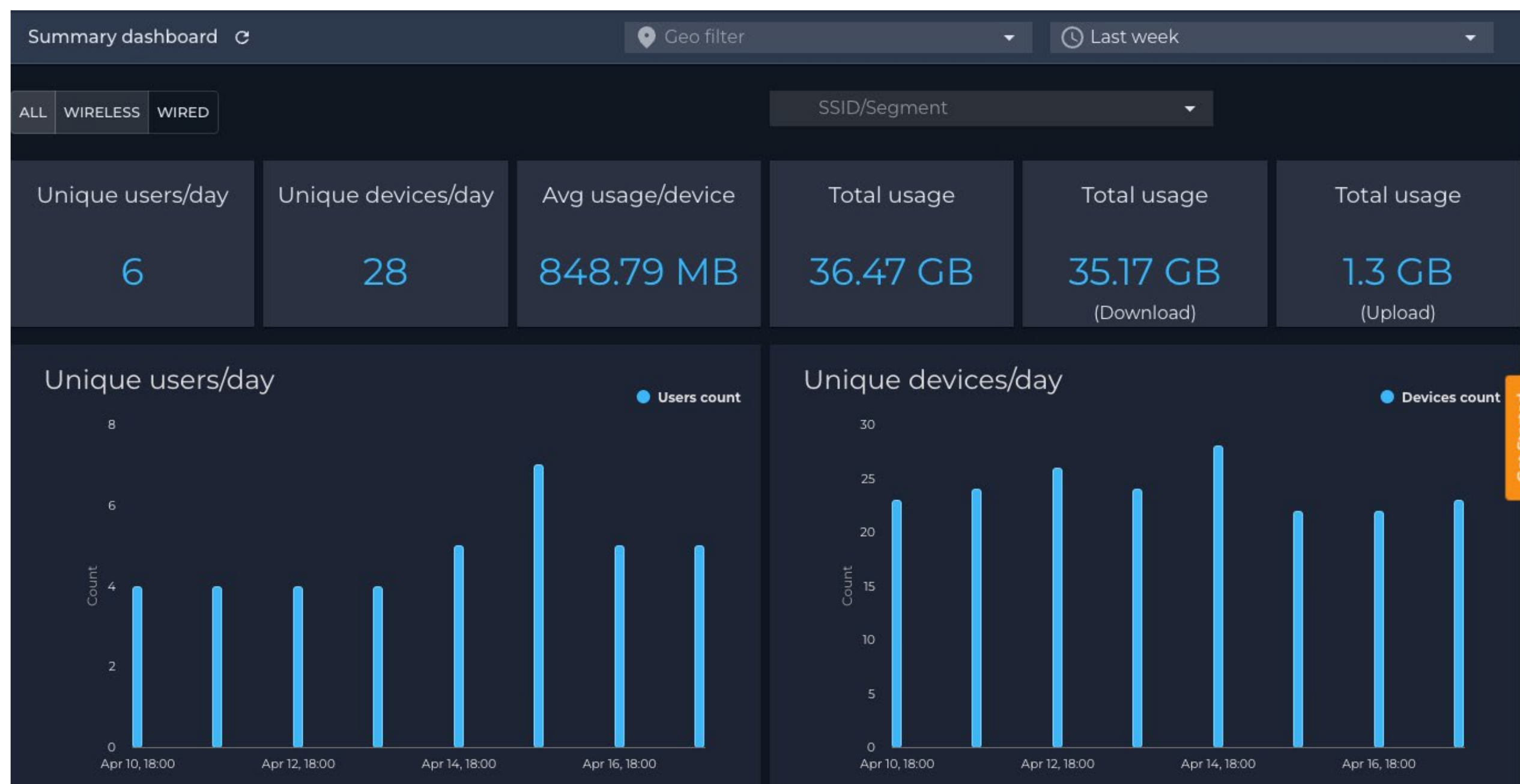


You can discover comprehensive visibility into individual device status and types, user details, network addressing, error status, and usage information—all accessible with just a few mouse clicks or a query through the search bar.

Status	User / Device	Location	Device type	Connection	Service	IP	MAC address	Error	Total usage
Offline	3a:d1:b2:fe:0f:8d	TX-Campus/DFW-BLDG-1/Main Floor	Apple	2.4G	_DemoCenter-PSK	-	3a:d1:b2:fe:0f:8d	Offline	3.65 GB
Online	ips-device03	CA-Campus/SJC-BLDG-1/Main Floor	Windows	2.4G	_DemoCenter-PSK	10.1.2.24	48:22:54:30:61:a5	No error	534.35 MB
Online	DESKTOP-HJB9487	CA-Campus/SJC-BLDG-1/Main Floor	Windows	2.4G	_DemoCenter-PSK	10.1.2.26	50:91:e3:a7:9a:86	No error	3.8 GB
Online	ips-device01	CA-Campus/SJC-BLDG-1/Main Floor	Windows	2.4G	_DemoCenter-PSK	10.1.2.20	5c:62:8b:ed:85:3c	No error	490.8 MB
Online	ips-device05	CA-Campus/SJC-BLDG-1/Main Floor	Windows	2.4G	_DemoCenter-PSK	10.1.2.25	5c:62:8b:ed:86:6a	No error	809.57 MB
Online	DESKTOP-SQQA3L3	CA-Campus/SJC-BLDG-1/Main Floor	Windows	2.4G	_DemoCenter-PSK	10.1.2.29	5c:62:8b:ed:92:7b	No error	5.18 GB

You can detect remote application reachability and latency issues over time, enabling the swift identification of disruptions to end-user application experiences.





A user-friendly summary dashboard offers you a broad overview and detailed insights into usage statistics and top talkers.

To explore Nile Copilot firsthand, [schedule a personalized demo](#) with one of our systems architects.

Alternatively, if you prefer to delve into all that Copilot offers at your own pace, sign up for the [Nile Copilot Experience Center](#) interactive demo.

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