

nile

Nile RADIUS Service

**Cloud-Delivered, Built for
Campus Zero Trust Simplicity**

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With the addition of the Nile RADIUS Service, we're offering the industry's first as-a-Service delivered authentication for wired and Wi-Fi network access. Organizations gain a scalable, fully automated solution that eliminates the need for on-premises infrastructure, while ensuring scalability, simplified access control, and improved IT efficiency.

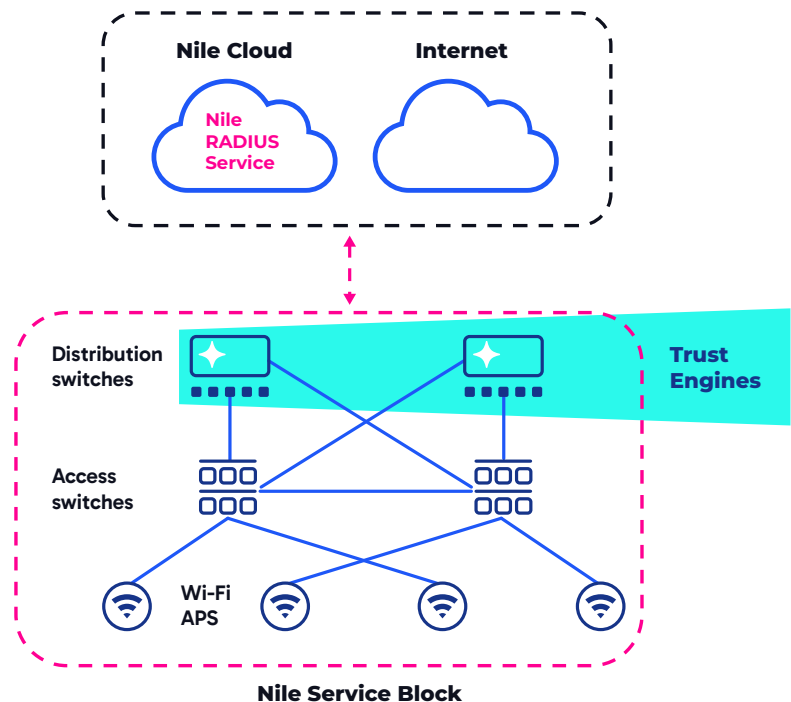
When used alongside the Trust Service capabilities built into the Nile Access Service, the Nile RADIUS Service delivers a scalable, integrated approach to authentication and policy enforcement. Every authenticated device is automatically placed into a VLAN-free segment-of-one, enhancing the organization's Campus Zero Trust posture by default.

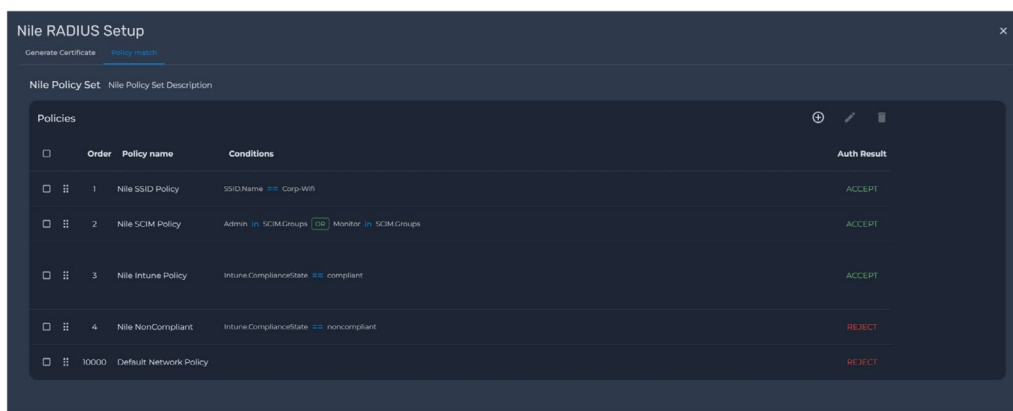
The Nile Cloud-Delivered RADIUS Difference

Nile RADIUS Service provides a future-proof alternative to traditional on-premises solutions, ensuring organizations can scale their access control initiatives with minimal administrative overhead. By eliminating repeated appliance and software upgrades, expensive hardware costs, and the overhead of managing distributed infrastructure, the cloud-based approach significantly reduces operational complexity.

Operational efficiency enhancements include:

- **Global scale and accessibility** - Users can authenticate from anywhere, regardless of location
- **Ease of set up and operation** - Simple activation via the Nile Control Center portal is quick and efficient, eliminating complex configuration steps at every location an on-prem RADIUS server or NAC appliance is deployed
- **Cloud reliability** - Cloud-based service is designed to failover from a local cloud provider instance to another to ensure reachability and uptime
- **Enhanced protection** - Organizations gain cloud provider-enforced encryption, compliance, and access controls without manual IT Administrative intervention





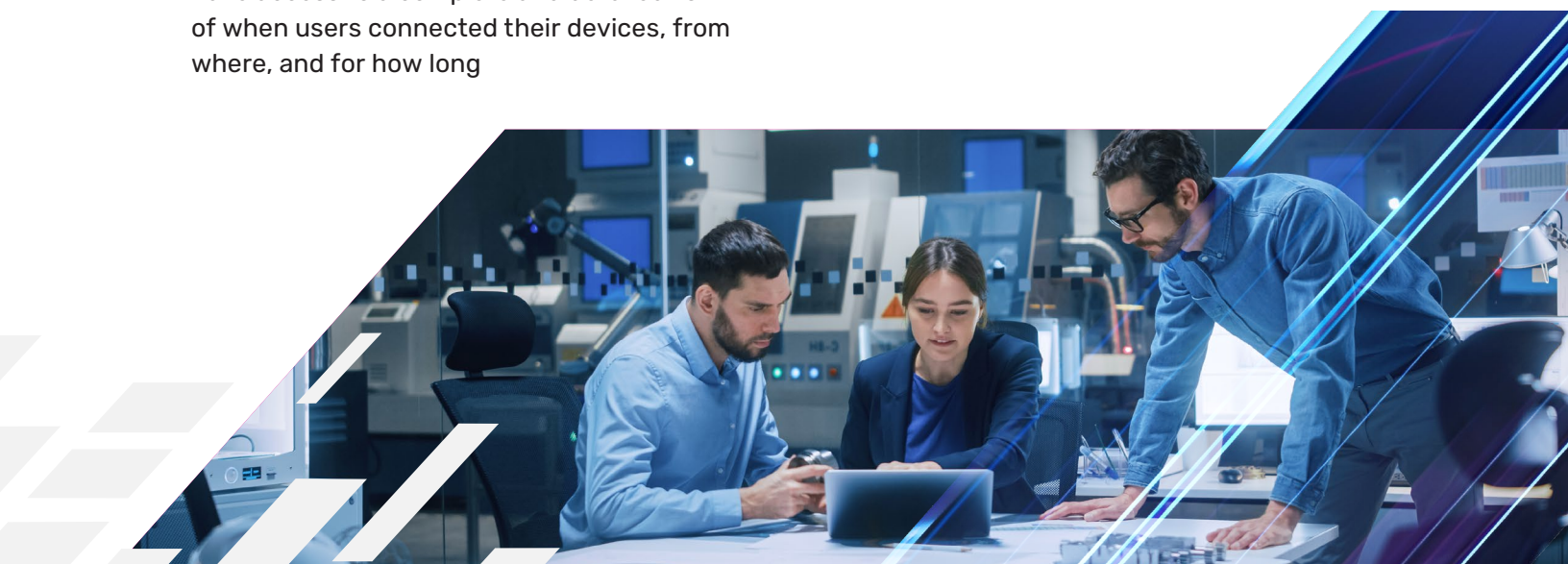
Intuitive RADIUS User Interface

From a Campus Zero Trust perspective, the advantages of shifting to the Nile Access Service and Nile RADIUS Service lets organizations eliminate struggling with legacy infrastructure and the integration of bolt-on security solutions to implement Zero Trust across their campus and branch locations efficiently and without disruption. Features include:

- **Certificate-based security:** Streamlined EAP-TLS authentication with certificates acquired via popular Certificate Authorities
- **Cloud-native interoperability:** Seamless integration with existing IdPs (SAML and SCIM), MDM, and EDR solutions
- **User access visibility:** Network administrators have access to a complete and detailed list of when users connected their devices, from where, and for how long

- **Policy chaining:** Includes support for applying multiple policies in a sequential or hierarchical manner, such as compliance based on device type, BYOD ownership, connected SSID, and certification attributes
- **Service Monitoring:** Proactive, per-site checks every minute to verify RADIUS service availability using Nile Sensors and real RADIUS transactions, not basic pings used by traditional solutions

The use of Nile RADIUS Service for EAP-TLS based authentication also provides mutual authentication from the user endpoint device to the server, ensuring that endpoints are connected to the right network, thus avoiding a spoofed network.



How Nile Compares to Other Solutions

While organizations are exploring other cloud RADIUS options used within a legacy wired and Wi-Fi architecture, the combination of Nile RADIUS Service and Nile Access Service deliver the ability to enforce more granular micro-segmentation capabilities that go beyond what is capable by placing devices into VLANs and applying complex dynamic ACLs.

For organizations that originally opted for traditional Network Access Control (NAC) solutions to satisfy RADIUS and 802.1X requirements, the Nile RADIUS Service instantly provides seamless certificate-based authentication and access control—ensuring a modern, password-free approach to wired and wireless user connectivity. Gone are the complex NAC setup, authentication rules, and lifecycle management headaches.

A comparison snapshot

	Nile RADIUS Service	Traditional NAC Appliances
Infrastructure	Cloud deployed and managed	Requires on-premises servers or virtual machine resources
Scalability	Dynamic, auto-scaling	Limited, requires add-on hardware, deployment resources, power, cabling, and more
Security	Leverages cloud providers security measures	Susceptible to both external and insider threats
Reliability	Redundant, highly available cloud accessibility	Single points of failure unless extra cost is factored in for physical backup appliances, licensing, etc.
Management	Simple reachability and set up of rules in the Nile Control Center dashboard	Separate console from management dashboard that customers often avoid using after initial set up due to complex rules creation
Deployment & Upgrades	One-click provisioning, hitless upgrades	Time-consuming, prone to errors due to physical hardware constraints and version controls

Nile RADIUS Service - The Right Choice

The ability to streamline IT operations is a growing concern as organizations struggle to maintain security and compliance initiatives. The Nile RADIUS Service offers flexibility, scale, and built-in integration capabilities to support any environment, while eliminating complexity and freeing up valuable IT resources from more important projects.

