

## Juniper Mist Access Assurance

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# What is Network Access Control (NAC)? *Concepts*



#### What's Wrong with NAC Solutions Today?

Cisco ISE, Aruba Clearpass, Forescout NAC require professional services or a dedicated NAC IT expert

Solutions are complex and brittle	Impossible to manage without breaking
Cumbersome troubleshooting and lack insights	No end-to-end visibility
Lack agility and scale	Legacy LDAP and on-prem directories
Requires downtime	Maintenance, feature updates & security patches

#### **Current NAC Customer Responsibility**

Design for service redundancy
Design for high availability
Design for scale
Manually scale up or down
Maintain server hardware / VM servers
Perform upgrades / security patches



#### Juniper Mist Access Assurance Moving to the integrated cloud



- Microservices-based Cloud NAC service natively integrated into network operations.
- IT-friendly Day 0-2 operations fully integrated into the network, continuously validating end-user experience.
- Al-driven network operations extended to network access control.
- Periodic hitless feature updates security patches and vulnerability fixes without downtime planning.
- Geo-awareness, high-availability Intrinsically available with the Juniper Mist Cloud.

### High availability, High Reliability & Site Survivability

- All previously known clients (regardless of the auth method) get authenticated and full policy gets applied (VLANs, GBP tags, Roles, etc)
- New clients are authenticated and applied default critical service policy

#### Why does it matter?



Cloud Microservices are used for the heavy lifting of authentication and authorization services.



Mist Edge provides a local on-premises point of presence for site survivability functions.



Lean operations on the Mist Edge side.



#### Access Assurance Insights in Premium Analytics



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## Thank you

