

## Aviatrix Multi-Cloud Smart SAML Remote User VPN – Secure User Access to Cloud Resources

Aviatrix Multi-Cloud Networking Platform provides an end-to-end secure network solution for multiple cloud service providers. Smart SAML Remote User VPN is one such turnkey functionality enabled by the Aviatrix AVX Platform. It is a feature-rich client VPN solution to secure remote user access to the public cloud. This solution is based on OpenVPN® and is compatible with all OpenVPN® clients. In addition, Aviatrix provides its VPN client that supports SAML authentication.

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### KEY HIGHLIGHTS

Aviatrix Smart SAML Remote User VPN is designed for the cloud and delivers the following benefits:

- **Centrally managed VPN** - Visibility of all users, their connection history, and all certificates across your multi-cloud network.
- **Multiple authentication Options** - LDAP/AD, DUO, MFA, Okta, Client SAML, and other integrations.
- **Profile-based Access Control** - Each VPN user can be assigned to a profile that is defined by access privileges to network, host, protocol, and ports. The access control is dynamically enforced when a VPN user connects to the public cloud via the Aviatrix VPN Service Node.
- **Broad Client Support** - Compatible with Aviatrix VPN client and all OpenVPN® clients.
- **Scale-Out Performance**- Aviatrix VPN Service Node instances can be placed behind a network load balancer to handle many users.
- **Logging Integrations** - Sessions, connection history, and bandwidth usage can be logged to Splunk, SumoLogic, ELK, Remote Syslog, and DataDog.
- **Cost-effective**- Low, connections-per-hour pricing. Optionally tacked on to your AWS bill.

Secure user access to VPCs/VNets/VCNs is often overlooked by organizations when it comes to safeguarding their cloud environment. Allowing uncontrolled access by users can lead to data breaches. Often users with unrestricted privileges can easily move laterally to gain access to resources or data that they should not access. This can create business risks or conflict with regulations - many of which require organizations to limit access only to those who need it to perform their job function. Most organizations under various regulations also have to show that they have controls in place to restrict access and are capable of providing reports to show that they are in compliance. Aviatrix Smart SAML Remote User VPN provides a completely secure network solution in the cloud for all your admins, developers, and employees. It combines a policy-driven, scale-out, and geo-aware VPN with encrypted peering and central management console.

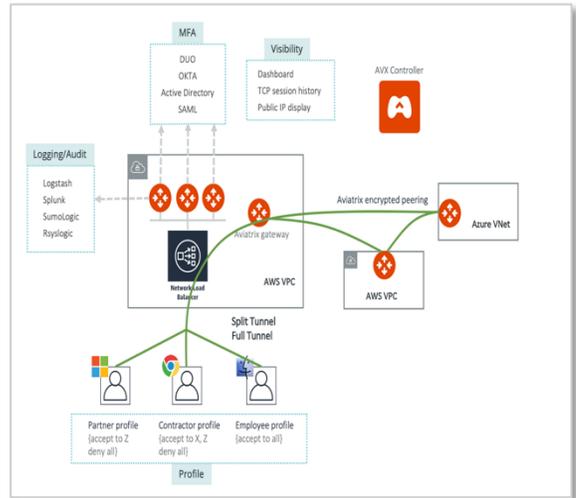
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### Why Aviatrix Remote User SSL VPN?

Aviatrix Smart SAML Remote User VPN approach provides secure user access to the public cloud and has several advantages over traditional solutions such as a Jump or Bastion host approach.

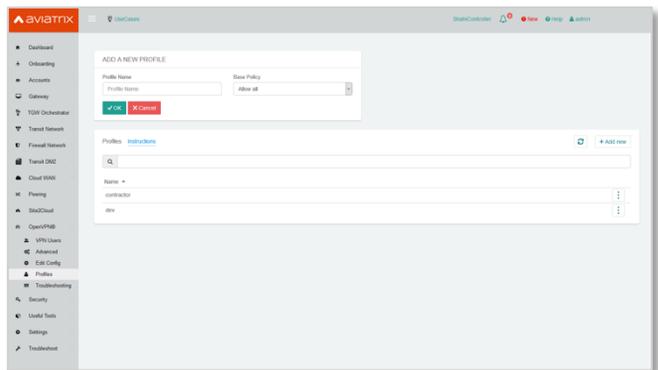
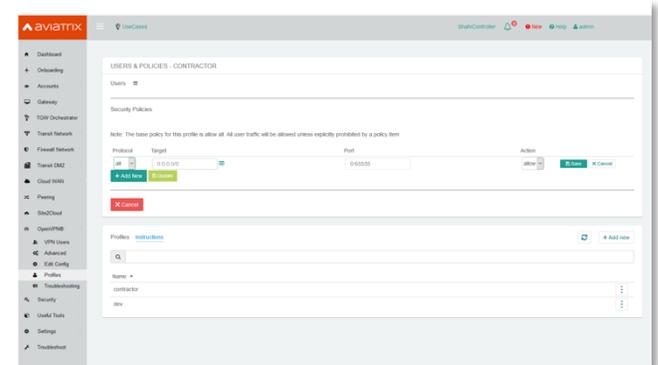
### Automated NLB

By default, a Network Load Balancer is automatically created by Aviatrix Controller. This NLB load balances and distributes the connection requests across multiple Aviatrix VPN Service Nodes. Depending on the scale, several Aviatrix VPN Service Nodes can be added to handle user requests.



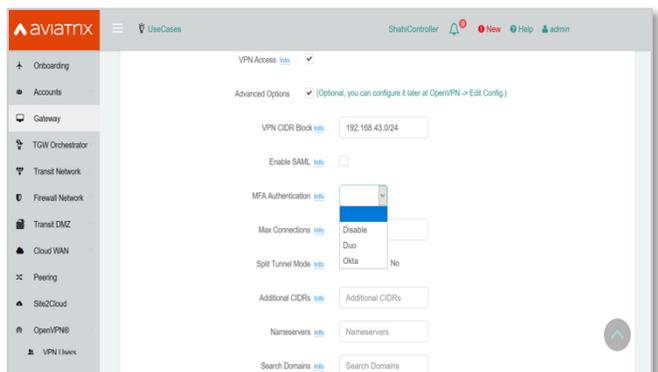
### Profile-based Security Policies

Admin can create multiple profiles based on access requirements; for example, an employee may have more access than a contractor. The profile-based security policy lets you define security rules to a target address, protocol, and ports. The default rule for a profile can be configured as deny all or allow all during profile creation. This capability enables flexible firewall rules based on the users, instead of a source IP address. The security policy is dynamically pushed to the landing VPN Service Node when a VPN user connects. It is only active when a VPN user is connected. When a VPN user disconnects, the security policy is deleted from the VPN gateway.



### SSO/Multi-Factor Authentication

Aviatrix provides seamless integration with OKTA, DUO, Active Directory, and is the only OpenVPN client that supports SAML from the client software.



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## SUMMARY

Aviatrix Smart SAML Remote User VPN not only secures user access to cloud resources, but it also provides centralized visibility of all users, connection history, and all certificates across your multi-cloud network. Its seamless integration with Route 53 and Azure DNS for geolocation maximizes user experience.

For more details, check out [docs.aviatrix.com](https://docs.aviatrix.com) or connect with our technical solution engineer through [aviatrix.com](https://aviatrix.com) online chat.

Technical Benefits
<ul style="list-style-type: none"><li>• Highly Available; Fault Tolerant</li><li>• Profile-based access control; Multi-Factor Authentication (MFA)</li><li>• Supports split or full tunnel</li><li>• Supports TCP/UDP protocols</li><li>• Easy certificate management for end-users</li><li>• Supports NLB to load balance user requests</li><li>• Centralized management console</li><li>• Integrated audit logging (view in AVX or export logs to Splunk, Sumologic, Datadog, and other tools)</li><li>• Supports Geo VPN which allows VPN users to connect to their nearest VPN gateway</li></ul>