leostream

Simplifying Secure, High-Performance Access to Cloud Workstations and HPC Environments

The Challenges

Organizations moving to AWS often face a common set of challenges. They need to support demanding workloads in the cloud, manage a mix of on-prem and AWS resources, and deliver responsive access to desktops and GPU systems from anywhere. At the same time, IT must keep costs under control, maintain security and identity consistency, and avoid the complexity of traditional VDI stacks.

Remote teams, bursty project cycles, and distributed talent make these demands even harder to manage. Without a centralized access layer, workflows become fragmented, costs rise, and IT loses visibility into resource usage.

The Solution

Leostream integrates seamlessly with AWS to give organizations a clean, efficient way to connect users to Amazon EC2, Amazon WorkSpaces, and GPU-accelerated environments. The Leostream Remote Desktop Access Platform centralizes connection management, policy control, and identity-driven access so IT can support hybrid and cloud workloads without unnecessary complexity.

With support for leading display protocols like Amazon DCV, PCoIP, and TGX, Leostream ensures users get high-performance, low-latency experiences even over long distances. Automated provisioning, power management, and SSO integration help IT reduce cloud spend and simplify daily operations.

The Benefits

- Centralize all user access to EC2, WorkSpaces, and hybrid environments from one platform, with consistent authentication and policy control.
- Pair AWS compute, including GPU-backed instances, with high-end display protocols to support VFX, engineering, research, and other demanding workloads.
- Automatically power down idle instances and provision resources only when needed, reducing AWS spend without limiting performance.
- Integrate with identity providers like Microsoft Entra ID and others to maintain secure, role-based access across fluctuating teams.
- Support persistent or ephemeral desktops, pooled resources, and project-based workflows with no need for a traditional VDI stack.

Leostream on AWS

The Leostream and AWS partnership gives IT teams a straightforward way to deliver secure, high-performance desktops and workloads in the cloud.

By combining AWS's scalable infrastructure with Leostream's centralized access and policy management, organizations can simplify operations, control costs, and support a wide range of user needs. Together, we help IT scale resources as needed, strengthen security, and manage digital workspaces with far less complexity.

scholar

Case Study

The Challenge

Scholar needed to support 60–100 remote artists working with GPU-heavy creative tools. VPN access was slow and unreliable, and managing cloud workstations in AWS required too much manual effort.

Solution

Leostream became the centralized access point for AWS-hosted workstations, GPU instances, and render nodes. Artists connected through simple, policy-driven workflows, and IT gained consistent control over access and provisioning.

Results

Leostream improved performance for artists, reduced cloud costs with automated power management, and streamlined onboarding through Okta SSO. Scholar now runs a more scalable and efficient AWS pipeline.

Features

Managed Remote Access For AWS And Physical Machines

Implement a hybrid model using Leostream and AWS, enabling the integration of your preferred physical machines alongside cloud resources. This flexible approach allows you to retain elements onpremises while benefiting from the power and scalability of the cloud, ensuring a smooth transition tailored to your needs.

Out-Of-The-Box Cloud HPC With Leostream & Amazon DCV

Efficiently merge components to provide remote end users with secure and user-friendly access to Amazon DCV servers. This approach streamlines Virtual Desktop Infrastructure (VDI) management, emphasizing robust security measures for enhanced protection.

Visit AWS Marketplace or Leostream.com to purchase or start a Free Trial today.