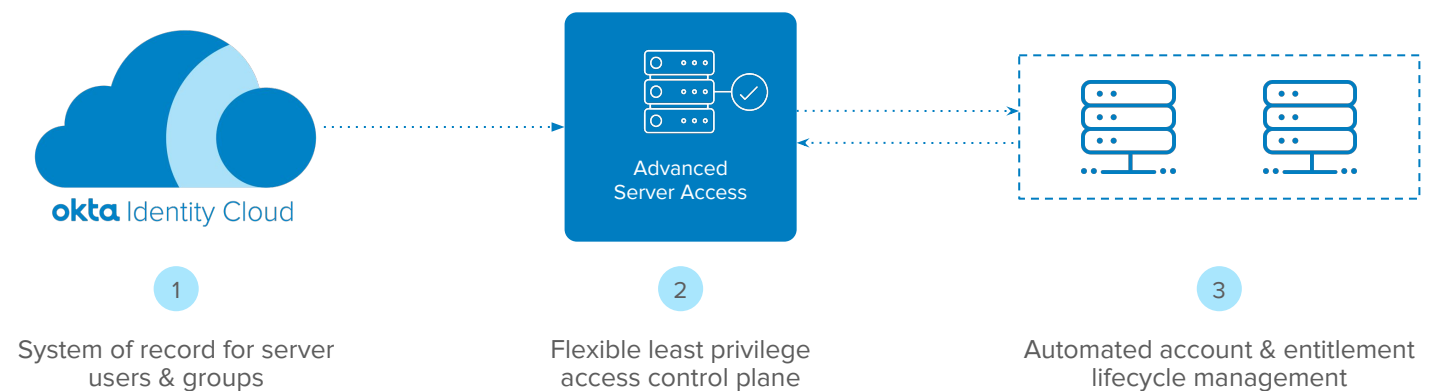# Okta Advanced Server Access

Identity-first access management for elastic cloud infrastructure

In today's landscape, automation is the name of the game. The rapid pace of innovation demands speed and scale above all else to remain competitive. This places a lot of pressure on Security & Operations teams to streamline the delivery of software across dynamic cloud infrastructure environments. The key challenge is how to move fast without breaking things – security can never be a compromise, but it also can't block the speed of the business.

Traditional access management solutions were built for a different time, where resources are fixed and long-lived. Account provisioning is a painfully manual process, driven by ticket systems that can take weeks. This simply won't work today – resources are constantly spinning up and down, and access must be granted on-demand in real-time. Anything that blocks automation is bad for the business.

Okta Advanced Server Access is purpose built for the modern cloud by injecting identity directly into your infrastructure automation & configuration. Our elegant Zero Trust architecture can support any level of scale, across any hybrid or multi-cloud environment with ease. And as a SaaS, Okta removes unnecessary operational burden from your responsibility, freeing up your teams to focus on getting software out the door faster and more effectively. With Okta, you can report back to the business that you have fully enabled velocity at scale – a huge win.

1 — System of record for server users & groups

2 — Flexible least privilege access control plane

3 — Automated account & entitlement lifecycle management

When is Okta Advanced Server Access right for you?

SOLVING COMPLIANCE REQUIREMENTS

We help you achieve SOC2, PCI, or FedRAMP compliance faster with less burden by eliminating the use of static credentials, controlling least privilege access, and providing inspection into server activity.

ADOPTING CLOUD INFRASTRUCTURE

We help you adhere to the cloud operating model with automated identity & access management controls that work seamlessly across large scale, dynamic environments – AWS, GCP, Azure, or elsewhere.

MIGRATING AWAY FROM LEGACY PAM

Did you buy an expensive PAM product, only to shelve it a year later because it couldn't scale? We offer the same level of strict security controls with less burden and without blockers, bringing least privilege closer to identity.

Key Business & Technical Outcomes

Mitigates the risk of credential sprawl
Having to constantly track, manage, and rotate admin credentials in the name of compliance is a constant burden. Rather than add clunky controls around credentials, we eliminate them entirely by minting short-lived, tightly scoped client certificates with every authenticated and authorized request. No cleanup necessary.

Automates admin user onboarding & offboarding
Granting server access is often a manual, painful process that can take weeks. But what happens when someone leaves the company? The only way to keep up with elastic infrastructure and ensure the right levels of access is enforced is to fully automate the lifecycle of user identities from Okta as your system of record.

Removes operational burden & barriers to automation
Everyone is trying to do more with less, but your DevOps teams have a lot on their plate. Access management systems are hard to maintain, but more importantly, are not core to your business. Focus the efforts of your best Engineering talent on what matters most, and let Okta handle the complexity of server identity & access management.

Key Features

Single Sign-On and Multifactor Auth for SSH & RDP workflows

Fine-grained least privilege role-based access controls

Ephemeral client certificate authentication mechanism

Unified directory for server user & group attributes

Local server user & group management

Central Linux sudo entitlements management

Structured server login audit logs

Extendable API for custom workflows

Seamless integrations with automation tools - Terraform, Chef, Puppet, Ansible, etc.