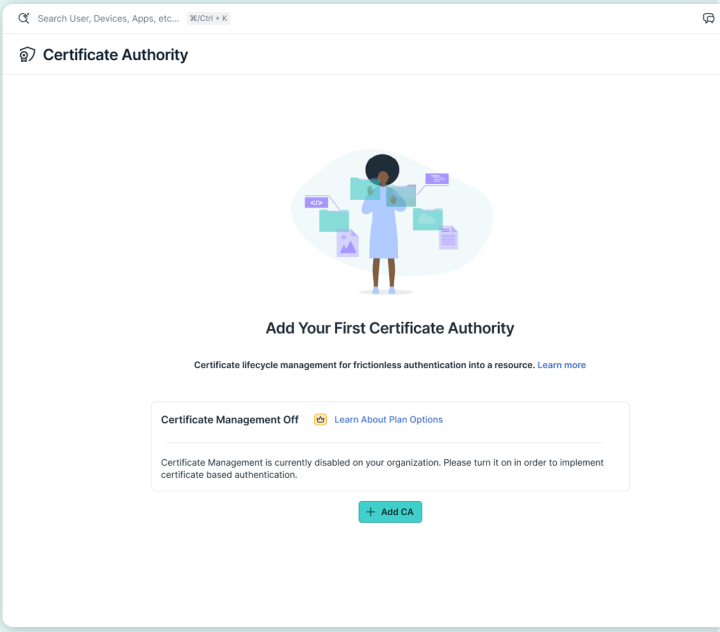
jumpcloud

JumpCloud PKI

JumpCloud PKI provides a unified, cloud-hosted private certificate authority and certificate lifecycle service directly within the JumpCloud Admin Portal. Built on a scalable architecture, it eliminates legacy CA infrastructure and tool sprawl while reducing reliance on shared passwords across Wi-Fi, VPNs, and protected applications.

By combining identity, access, device management, and private certificate authority services into a single open directory platform, it replaces fragmented point solutions and expensive add-on licenses with true platform consolidation. IT admins gain centralized visibility and granular control over client certificates without operating private CA servers or stitching together third-party RADIUS tools.



Unified Security & Efficiency with JumpCloud PKI

By moving from complex, on-premises private CAs and siloed certificate tools to a single, cloud-native Certificate Authority, you can drastically strengthen workforce access security while eliminating operational overhead.

Zero CA Infrastructure Overhead

Replace high-maintenance on-premises private CA servers and costly suite add-ons with a cloud-hosted Root CA. This provides IT teams with uniform certificate availability across all assets while eliminating private CA server maintenance.

Native Identity & RADIUS Integration

Directory-bound certificates pair directly with JumpCloud Cloud RADIUS for EAP-TLS Wi-Fi authentication. Secure remote access and mTLS web applications using identity-driven access rules without deploying third-party RADIUS software or extra agents.

Cross-Platform MDM Automation

Automate certificate issuance, delivery, and auto-renewal to managed Windows and macOS endpoints using native SCEP and MDM workflows, minimizing manual setup friction for users and IT.

Centralized Visibility & Audit Readiness

Maintain full control with a unified dashboard tracking active certificate inventory, expiration dates, and one-click revocations. Combined with Directory Insights logging, IT receives defensible records of certificate events to easily satisfy compliance audits.

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Interested in learning more?
Contact your JumpCloud Account Executive or Account Manager.

Key Features

- **Managed Private Root CA:** Generates and manages an organization-specific cloud-hosted Root CA within the JumpCloud Admin Portal, eliminating private CA setup and maintenance overhead.
- **Cloud RADIUS Engine with EAP-TLS:** Validates certificates and identity-based policies natively for secure Wi-Fi access, eliminating on-premises RADIUS servers and complex agent configurations.
- **Automated SCEP & MDM Deployment:** Delivers and renews client certificates automatically to managed macOS and Windows devices using supported SCEP and MDM delivery workflows.
- **Certificate Lifecycle Dashboard:** Provides a centralized inventory for tracking certificate status, monitoring expiration timelines, and executing one-click revocations across the organization.
- **Identity-Bound Certificate Issuance:** Binds client certificates directly to JumpCloud user identities and directory group membership to ensure precise, identity-driven access control.
- **Compatible VPN & mTLS Support:** Extends client-certificate authentication to compatible VPN gateways (e.g., FortiGate) and protected web applications requiring mutual TLS (mTLS).
- **Immutable Audit & Event Logging:** Tracks certificate issuance, enrollment status, RADIUS authentication events, and revocations centrally using JumpCloud Directory Insights for complete governance.

Need Help Getting Started?

JumpCloud's Professional Services Team is here to support you along the way. Whether you need implementation assistance or hands-on engineering support, there's a service package for you.

Learn more and find the right service level for your business today.

JumpCloud® is the AI-powered unified IT management platform designed to secure the modern workforce. By consolidating identity, device, and access management, JumpCloud provides intelligent, secure IT that scales from human users to autonomous AI agents. We help organizations around the globe eliminate complexity and turn AI risk into an optimized advantage, ensuring the right people and agents have secure access to the right resources at all times.

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Get Started

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