

### Challenges

Enterprises and Government Agencies are gaining efficiencies through automation and greater collaboration among departments, vendors, and suppliers. To enable these efficiencies, more and more devices are added to the environment. As a result, device-centric attacks such as Supply Chain and Man-in-the-Middle variants are increasingly a concern.

Device authentication driven by a PKI implementation is an effective way to reduce the overall security attack surface. But, most organizations do not have the deep PKI expertise needed to create a PKI infrastructure, to make it available globally, or to operate it efficiently.

A cloud-native PKI approach delivered as a service is an ideal way for organizations to gain the benefits of device authentication in a cost and resource efficient way.

### Product Overview

Leveraging the power of the Axiad Cloud, Axiad PKI as a Service (PKIaaS) is a consolidated, highly customizable, and scalable PKI for machine and software authentication. With support for all devices – including partner, vendor, and BYOD – Axiad PKIaaS delivers highly secure device certification at scale and everywhere it's needed. The combination of product functionality and the SaaS delivery model helps lower the cost of operating PKI internally and allows organizations to consolidate or retire costly/aging existing PKI solutions.

### Certificate Challenges



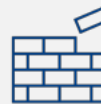
89%

Believe machine identity is critical



3X

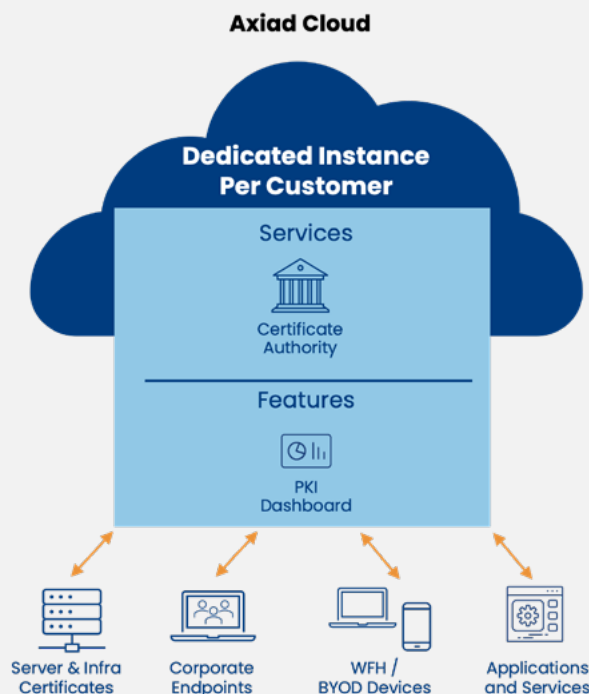
Number of machine vs. human identities



52%

Percent that don't have needed PKI expertise

### PKIaaS for Devices and Workloads



### How Axiad PKIaaS is unique

- **Single product:** A single product covers all IT environments, all tokens, and all Identity Ecosystem vendors
- **Local authentication:** Since no credentials are sent over the wire, they cannot be easily compromised
- **Consolidated token support:** A wide range of tokens are supported as well as physical / virtual token consolidation
- **No shared secrets:** No shared secrets are used to prevent Man-in-the-Middle attacks
- **Secure cloud:** The cloud environment is hardened by a private instance for each customer, a private certificate store, and secure network communications

## Key Features

**Consolidated: Serves all machine and software authentication needs, everywhere across the environment**

- **Consistent:** A consistent level of Authentication is provided across OSs, applications, services, and more
- **Unified PKI:** Consolidates multiple PKI approaches into a comprehensive, scalable product
- **Single Pane of Glass:** Portal provides a single pane of glass for managing keys
- **Full Coverage:** A single PKI approach handles all machines (including WFH, BYOD, and partner), applications, and services across the entire environment

**Highly Customizable: Fits into the most complex environments**

- **Custom Certificates:** Creates custom certificates and approval workflows without coding

- **Broad protocol support:** Supports wide range of protocols, connectors, and standards for the automated distribution and renewal of certificates

- **Integrated:** Supports wide range of protocols, connectors, and standards for interoperability across the Identity ecosystem out of the box

**Scalable: Works for any size organization**

- **Seamless scalability:** Cloud-based operations hosted by a major CSP provide seamless scalability
- **PKI without overhead:** Offloads resource-intensive PKI setup, management, and maintenance

**Platform Capabilities: Leverages Axiad Cloud Platform capabilities including secure design, convenient implementation, and more.**

## Benefits

### Streamline Management

Manage the lifecycle of all your digital certificates for every type of machine

### Enhance Security

Prevent falsified entities from entering your network and putting your data at risk

### Scale Your Business

Manage certificates without constraints due to IT resource limits or environmental complexity



## About Axiad

Axiad delivers organization-wide passwordless orchestration to secure users, machines, and assets for organizations that must optimize their cybersecurity posture while navigating underlying IT complexity. The company's flagship offering, Axiad Cloud, is a comprehensive, secure, and integrated authentication platform that allows customers to move to a passwordless future without the friction and risk of fragmented solutions. Axiad supports the widest range of credentials in the industry including FIDO, mobile MFA, Windows Hello for Business, YubiKeys, smart cards, TPM and biometrics. Axiad is trusted by public sector organizations and Fortune 500 companies across aerospace & defense, financial services, insurance, healthcare, oil & energy and more. For more information visit [axiad.com](https://axiad.com) and follow us on [Twitter](#) and [LinkedIn](#).