



## AXIAD CONDUCTOR

# Advanced Credential Management for the Modern Enterprise

Today's organizations face an array of identity management challenges to ensure secure access to corporate resources, including:

- Upgrading existing authentication approaches to passwordless, phishing-resistant MFA
- Implementing FIDO2 at the enterprise level
- Managing at scale the use of hardware authenticators and tokens
- Maintaining a PKI-based certificate system to secure users, machines, and services

Any of these tasks require significant time and specialized expertise to set up and maintain. Existing identity and access management (IAM) systems are great at providing the user authentication function, but that still leaves the organization struggling to integrate the pieces together into a comprehensive solution. **This is where Axiad Conductor excels.**

Axiad Conductor is a robust credential management platform enabling you to consolidate your existing identity systems and support these advanced authentication requirements. It provides complete lifecycle management of user and machine identities in an easy to use, integrated SaaS solution.

## Making Identity Security a Reality

- Simplifies Credential Management
- Delivers full lifecycle management of certificates and hardware security devices
- Enhances security of existing IAM systems
- Enables passwordless, phishing-resistant MFA
- Supports both PKI certificates and FIDO2/webauthn
- Integrates with major security device vendors
- Reduces IT support time and complexity
- Improves end-user satisfaction
- Fulfills FedRamp requirements



### KICKSTART PROJECTS WITH AXIAD GOLD BUNDLES

Axiad makes it easy for any organization, large or small, to start securing credential lifecycles today. Gold Bundles provide the technology, credentials and the services needed to rapidly kickstart your project. [Download the solution brief](#) for details.

# CORE CAPABILITIES

Axiad Conductor adds the missing management layer that ties together your existing identity systems—taking credential management to the next level.

- **Axiad Conductor adds** the missing control plane that ties together your existing identity systems and enables you to take credential management to the next level. It supports all the major IAM vendors, including Microsoft Entra ID, Okta, Ping Identity, ForgeRock, Entrust, identityONE, and more. It supports the leading hardware authenticators from Yubico, IDEMIA, Thales, Feitian, and more. Using Axiad Conductor, you can manage all your identity credentials from a single pane of glass in a streamlined, consistent manner without ripping and replacing existing tools. This enables you to strengthen your authentication processes while simplifying your operations and improving the end-user experience.
- **Axiad Conductor enables** you to manage the complex lifecycles of credentials and hardware components that need to work in tandem. IT staff can handle registrations, resets, renewals, and revocations in a single location using a simple web-based interface. Self-service features enable users to handle common credential management functions to improve the end-user experience while reducing IT workload.
- **Axiad Conductor is** a SaaS application, so there is no software to install or maintain. It is highly secure and scalable, with each customer accessing their own dedicated virtual private cloud. Encryption keys are stored using a Hardware Security Module (HSM) for added security. For Federal government customers and contractors, Axiad Conductor is available in a customized FedRAMP cloud instance.

*Axiad Conductor provides IAM administrators with a single control point to manage credentials of many types across multiple authenticators while also providing self-service features for end users.*

## The Top Line: MFA that is Defensible, Manageable, and Usable



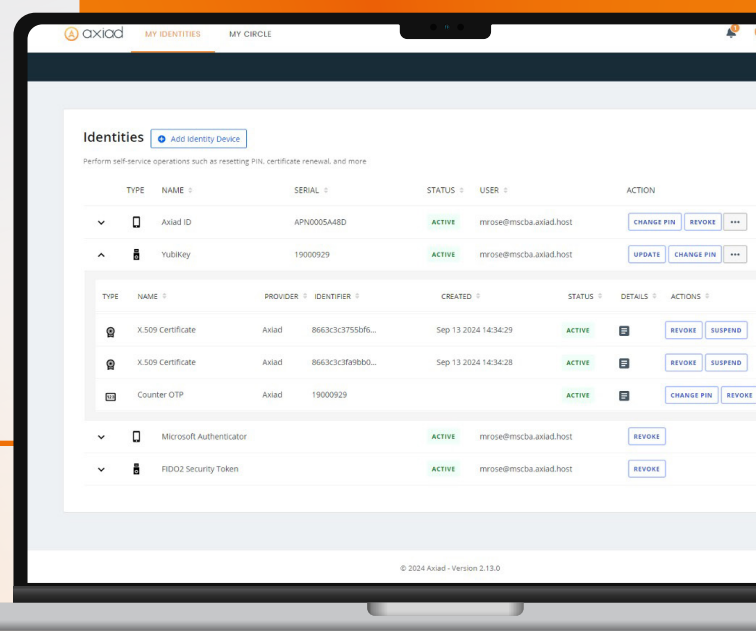
Make your MFA implementation **defensible**, protecting it from advanced phishing attacks.



Make MFA **manageable** with end-to-end management of credential lifecycles at enterprise scales.



Make your MFA **usable** with user-centered workflows, self-service features, and support from the "value leader" in PKI



# ACHIEVE PHISHING-RESISTANT MFA

It is now widely recognized that basic two-factor authentication using SMS, one-time passwords, or push notifications does not provide the necessary security against today's cyber criminals. Full phishing-resistant MFA without passwords is required. CISA and NIST strongly recommend it. The Office of Management and Budget (OMB) requires it for Federal agencies.

There are only two ways to implement true phishing-resistant MFA: with hardware authenticators using FIDO/WebAuthn or PKI certificates. Axiad Conductor supports both. You still use your preferred identity provider(s) for user authentication and use Axiad Conductor to register the devices, issue certificates, and manage your authentication infrastructure. This dramatically reduces the complexity of the initial set-up and ongoing support burden. You enhance your security posture while streamlining your authentication processes.

## TWO WAYS TO PHISHING-RESISTANT MFA



No matter which road to phishing-resistant MFA you choose, Axiad Conductor supports you.

## MANAGE HARDWARE AUTHENTICATORS

Using hardware tokens to replace passwords improves security while simplifying the end-user log-in experience. But distributing, registering, tracking, reporting, and managing these hardware tokens at an enterprise-scale can be a nightmare if you do not have the proper administration to support it.

Axiad Conductor gives you that single point of control to oversee your entire network of authentication devices. Axiad supports hardware tokens, Smart Cards, mobile devices, embedded TPMs (Trusted Hardware Modules), and more. When using PKI, Axiad Conductor greatly simplifies the lifecycle management of the associated x.509 certificates, including issuance, renewals, revocations, and key rotations. Axiad Conductor makes it practical to manage the roll-out and administration of all your authenticators consistently and at scale.

## Supported for Authentication



Hardware Tokens



Smart Cards



Mobile Phones



Embedded TPMs and more



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# IMPLEMENT FIDO2



**ALLIANCE** The FIDO Alliance is helping to shape the passwordless future.

FIDO (Fast Identity Online) is a set of protocols designed to eliminate passwords by using public key cryptography to provide phishing-resistant authentication. Because of its reduced administrative complexity (relative to PKI) and broad industry adoption, it is viewed as the future of user authentication.

**Axiad is a board-level member of the FIDO Alliance, helping to shape this passwordless future.**

Using Microsoft Entra ID authentication, Axiad Conductor enables FIDO2 users to register hardware devices and manage passkeys together with the rest of their authentication infrastructure. You use the same user interface and identity workflow for FIDO, PKI, or both together. For YubiKey 5.7 users, **Axiad Conductor also supports enterprise attestation, enabling the IT department to ensure only their security tokens are being registered.**

The initial focus of the FIDO Alliance has been on consumers for secure website access. As a result, a number of enterprise-level features are missing from the FIDO standard that limit the reporting, usability and internal controls that companies would expect. As a new standard, there are also many IAM products and hardware devices that are not yet supported. As a result, today's enterprise looking to implement phishing-resistant authentication will typically use traditional PKI certificates for some use cases and FIDO for others. **Axiad Conductor makes it easy to manage both environments with its integrated platform.**

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## PKIaaS: SECURING HUMAN & NON-HUMAN IDENTITIES

PKI (Public Key Infrastructure) is a well-established encryption standard with broad hardware and software support. It enables strong user authentication as well as scalable authentication for machines and applications (non-human identities or "NHIs"). The problem? It's very complex.

Axiad Conductor simplifies your PKI implementation through a flexible PKI-as-a-Service solution. Its comprehensive PKI infrastructure supports X.509 certificate discovery, generation, distribution, renewal, rotation and revocation. It can include a complete Certificate Authority with advanced features supporting multiple domains, fine-grained access policies, profile-based certificate lifecycles, customized certificates, and more. Use Axiad Certificate Authority to provide highly secure certificates at scale and everywhere needed—including partner, vendor, and Bring Your Own Device (BYOD) machines.

Experienced Professional Services staff are available to assist with customization and deployment. Discovery of non-Axiad created certificates is available via integrations with Venafi and AppViewX. Axiad gives you the advantages of PKI-based encryption without the complexity.

**Axiad Conductor greatly simplifies your PKI implementation through a PKI-as-a-Service solution for both human (HI) and non-human (NHI) identities.**

# Conclusion

Today's modern enterprise requires multiple technologies to ensure secure access to corporate resources. Managing these disparate identity systems, each with their own user interface and configuration rules, can quickly become a nightmare. AxiaD Conductor solves the chaos by providing the missing credential management layer in a flexible, SaaS solution. It enables consistent management and control of hardware devices, PKI-based certificates and FIDO passkeys all in a single, integrated solution.

## Available AxiaD Conductor Integrations include:

### IAM SYSTEMS



### HARDWARE AUTHENTIFICATIONS



### ENDPOINTS



### PAM



### PKI SYSTEMS



### IGA



### MACHINE IDENTITIES

