At a Glance

APIs are the backbone of modern application development. They allow developers to leverage existing data and functionality to move faster. They allow partners to remix data to build more powerful systems easier than ever before. They allow customers to reuse expensive or complex functionality to make their own software better. To protect this data and these systems and ensure a consistent security posture across their infrastructure, Okta customers are using API Access Management as a key piece of their API strategy.

The Growing API Ecosystem

• 98% of organizations have some sort of API strategy in place

• Organizations rate internal integrations, partner integrations, scaling internal operations, and lowering maintenance costs as the primary motivators

• Over 70% of organizations have been or are likely to be successful in these efforts

• Gartner projects that APIs will be the largest source of data breaches by 2022*

• Organizations large and small have been the victims of data breaches losing credit, travel, healthcare, and even classified information
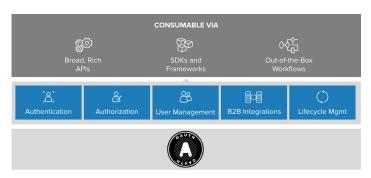
   Learn more:
   One-Minute Whitepaper: What's Your API Strategy?

The Challenges of Securing APIs

• The vast majority of APIs start as small, individual team efforts. As they speed up development, they expand in scope and become critical to other teams. As they prove valuable, the APIs are shared with partners and even third-party developers to speed *their* development.

• As the API's audience grows, the security requirements and expectations fundamentally change but few teams stop to reassess and apply the new security posture.

• As teams integrate the API in more applications, making breaking changes — such as switching authentication mechanisms — become time-consuming and costly.

• Internally building modern authorization protocols such as OAuth 2.0 and the supporting extensions is complex and time-consuming, potentially compromising the API's quality, security, and time to market.

• Organizations lack the strategic and technical know how to evaluate all possible extensions and configurations and choose the best combination for the lifetime of their API.

Capabilities

CONSUMABLE VIA

| Broad, Rich APIs | SDKs and Frameworks | Out-of-the-Box Workflows |

| Authentication | Authorization | User Management | B2B Integrations | Lifecycle Mgmt |

Okta API Access Management comes with the features needed to secure APIs through the well-established OAuth 2.0 protocol. By leveraging the existing Okta Universal Directory, system log, and numerous application integrations, security teams can extend and enforce their policies within their APIs to protect the organization and adapt as their requirements and users change over time.

Authentication: Implement customizable login experiences consistent with your organization's brand, security policies, and overall architecture using common patterns.

Authorization: Control which APIs your users and developers have access to with fine-grained, standards-based authorization policies using OAuth 2.0; implement role-based access control to applications.

User Management: Maintain all your users, groups, devices, and policies in one place, hosted in the Okta Identity Cloud. Do everything programmatically using code, or use the user-friendly admin console to add, delete, or update users and groups.

Lifecycle Management: Configure user lifecycle rules to automate onboarding and offboarding into your APIs the same as you onboard and off-board into your applications. Connect your users to popular third-party cloud and on-premise application using Okta's extensive network of 5,500+ integrations.

B2B Integrations: Integrate with API gateways to secure your API in minutes without redesigning systems or rebuilding applications. Through centralizing authorization policies in Okta, you can use any or numerous API gateways depending on the requirements of each specific use case.

Benefits

• Identity and access management is delivered from a cloud-certified infrastructure that is developer-friendly and secure.

• Ranging from "no-code" to "pro-code", get started with minimal development effort using Okta's hosted customization tools and the OAuth 2.0 tooling and libraries of your choice and examples ranging from simple how to guides to details use cases.

• Organizations can create frictionless API authorization experiences, get to market faster, centralize identity and access management, and improve security.

• Okta allows you to outsource time and resource-intensive compliance requirements, so that you can focus on creating the best service for your customers.

• Okta customers can secure their APIs with granular authorization policies based on application type, user group membership, and permissions requested. Further, as Okta's capabilities grow, they can adapt to your organization's requirements and changing security posture.
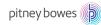
Okta Key Differentiators

• Okta supports 10+ languages and frameworks with extensive documentation, tutorials, and sample code.

• Okta delivers out-of-the-box capabilities such as a sign-in widget, password reset, registration, and MFA enrollment to optimize developer resources.

• Okta takes an independent and vendor-neutral approach and integrates with all the leading cloud and on-prem resources, rather than a proprietary stack. This enables you to choose the best-of- breed technologies that are right for your customers.

• The Okta Integration Network has over 5,500 pre-built integrations that securely connect everything—applications, network security, CASBs, API Gateways, SIEMs, and more—to Okta's central cloud identity service.

Key Customers Include:

Adobe **jetBlue** **pitney bowes** **Allergan** **MGM RESORTS INTERNATIONAL** **heal**

About Okta

Okta is the leading provider of identity for the enterprise. The Okta Identity Cloud connects and protects employees of many of the world's largest enterprises. It also securely connects enterprises to their partners, suppliers and customers. With deep integrations to over 5,500 apps, the Okta Identity Cloud enables simple and secure access from any device.

Thousands of customers, including Experian, 20th Century Fox, LinkedIn, Flex, News Corp, Dish Networks and Adobe trust Okta to work faster, boost revenue and stay secure. Okta helps customers fulfill their missions faster by making it safe and easy to use the technologies they need to do their most significant work. For more information, go to **https://okta.com**