

# CA Advanced Authentication



## At a Glance

CA Advanced Authentication provides a secure, user-convenient and cost-effective way to protect mobile and web applications. The solution allows organizations to silently and transparently collect data and assess risk based on device identification, geolocation and user behavior, among other factors. CA Advanced Authentication also provides a wide variety of software-based, two-factor authentication credentials to make logins more secure. Combining risk assessment and multifactor credentials enable an intelligent, layered security approach to prevent inappropriate access and online identity fraud without impacting the user experience.

### Key Benefits/Results

- Provides a frictionless user experience through transparent risk analysis and software-based 2FA credential.
- Reduces exposure to data breaches, inappropriate access and identity theft.
- Lowers cost of operations by reducing online fraud.
- Helps meet government regulations and industry guidelines for stronger authentication.

### Key Features

- Performs real-time risk assessment to protect sensitive logins and transactions.
- Evaluates risk based on device identification, geolocation, user behavior and other factors.
- Supports out-of-band methods such as push notification and one-time passwords (OTP) delivered via email, text or voice for step-up authentication.
- Provides default rule sets covering typical fraud patterns that are easy to use and customize.
- Supports a wide variety of credentials—from passwords and security questions to 2FA software and hardware tokens.
- Protects web and mobile channels and integrates data for comprehensive fraud management.
- Offers several standards-based integration options: OATH, RADIUS, REST, SAML and SOAP.
- Integrates tightly with CA Single Sign-On and other web access management systems.

## Business Challenges

Your employees, partners and customers all need easy access to your online applications, and you need to protect your sensitive data from improper access. Organizations like yours must:

**Improve security for online transactions.** Passwords can be easily compromised. Organizations need an adaptive way to identify users and protect against inappropriate access.

**Enable mobile devices securely.** Mobile devices and apps are becoming the preferred method for users to interact with the business. Organizations need a consistent authentication strategy that accommodates all channels of access and devices.

**Meet regulatory compliance directives.** Many regulations and industry guidelines are recommending or requiring stronger authentication mechanisms. Organizations need to address these requirements in a cost-effective manner.

**Provide a superior user experience.** Users are fickle and impatient. Organizations need to increase security without impacting the user experience.

## Solution Overview

CA Advanced Authentication is a packaged solution that combines two leading authentication products:

**CA Risk Authentication** performs a transparent, intelligent risk analysis to provide greater assurance that the user is who they claim to be. The software evaluates risk based on device, geolocation and user behavior for any online transaction, and can initiate step-up authentication when the risk score exceeds defined thresholds.

**CA Strong Authentication** provides multifactor authentication for web and mobile apps with a wide range of credentials and methods. The software allows you to deploy the right credential with the right level of security based on the app being accessed, and enforce in a cost-effective and centralized manner.

Together, these products enable a layered security approach that gives you the right balance of cost, convenience and security to protect your applications and user identities. This results in better security, an improved compliance profile and lower operational costs.

## Critical Differentiators

**White-box philosophy** provides visibility into each risk rule decision and outcome, and the ability to refine the balance of risk and user convenience that is appropriate for your organization.

**User behavior profiling** reduces friction by learning a user's behavior patterns and detecting when this deviates from the norm.

**Flexible rules engine** gives you complete control of your environment—specifically, the ability to create custom rules, policies and actions to adapt the risk engine to specific use cases and transactions.

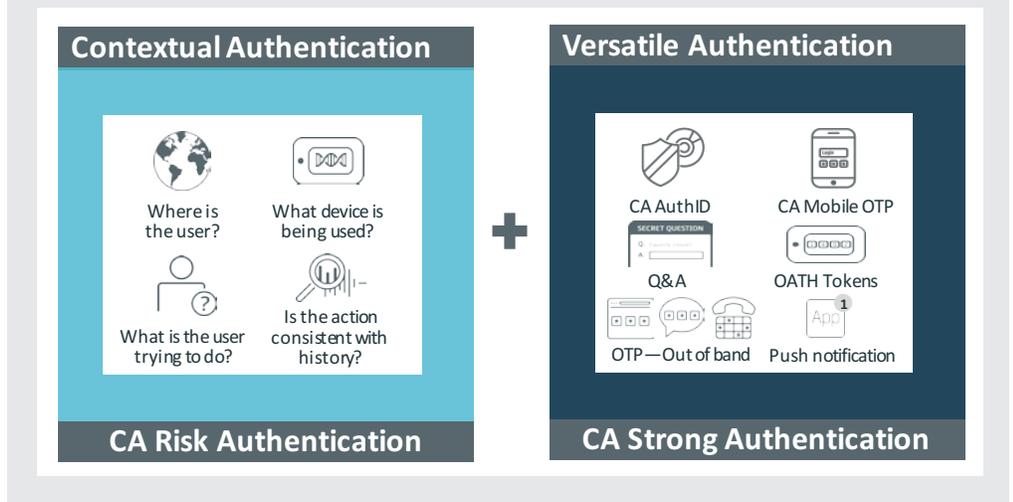
**Flexible authentication** supports a wide variety of authentication credentials and flows, and allows you to set different step-up authentication methods based on risk level.

**Case management** includes a policy-based system to review and manage cases of suspicious activity.

**Password protection** eliminates the risk of stolen password files because passwords are never stored on the user's device or within any backend system; passwords are also never transmitted over the internet.

**Cryptographic camouflage** is a patented key concealment technology used to protect the unique CA AuthID and CA Mobile OTP credentials from brute force and dictionary attacks.

Two best-of-breed components that can be deployed individually or together



## Related Products/Solutions

- CA API Management** addresses today's digital transformation challenges and enables the open enterprise, providing a secure platform for integrating across apps, devices and businesses while protecting against external threats.
- CA Single Sign-On** provides a centralized security management foundation that enables web single sign-on across on-premises, hosted or partner-based applications for your customers and business partners.

For more information, please visit [ca.com/multifactor-authentication](https://ca.com/multifactor-authentication)

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