Advanced Authentication Solutions for Healthcare

Cloud-Based Authentication from HID Global

HID

Protecting Access to Electronic Health Records is Complex

The Healthcare Security Challenge

Healthcare organizations are challenged more than ever before to protect patient privacy, protect electronic health records and to meet regulatory compliance requirements.

As the number of breaches and incidents continue to rise, mandates such as HIPAA and HITECH require healthcare providers and practitioners meet basic privacy and security requirements.

Is There an App for That?

Protecting electronic healthcare records requires understanding the fact that many roles within the extended healthcare enterprise need access to patient data. The challenge of protecting this type of data is one of enterprise scale. A combination of back-end infrastructure, physician and employee-facing operational systems— as well as easy patient access, anytime, anywhere—make protecting all this information far from trivial.

Unifying Requirements for Security

Instead of relying on fragmented point solutions to provide identity and access management controls for multiple classes of users, having a comprehensive authentication solution can help eliminate duplication and reduce costs significantly. Key requirements include:

■ **Identity proofing** - Only authorized individuals can get access rights to protected patient information.

■ **High assurance authentication** enables authorized healthcare professionals multi-point access to patient information. Secure patient access – Patients have access to their own data with minimum user friction, facilitating an enhanced user experience.

A unified solution needs to include multi-factor authentication and certificate-based universal access to healthcare applications, patient information, electronic health records and automation systems for healthcare delivery.

HID Delivers a Comprehensive Cloud-Based Authentication Solution Designed for Healthcare

■ Strong Multi-Factor Authentication supports the widest range of mobile and physical authenticators

■ High assurance certificate-based authentication delivers the strongest security immune from single sign-on vulnerabilities

■ Cloud-based platform simplifies integration with healthcare applications and providers

■ Ability to validate people, places and things

■ Meet healthcare specific compliance requirements

Use Cases Illustrated

■ Protecting Electronic Health Records for Employee Access and Patient Access

■ Electronic Prescription of Controlled Substances (EPCS)

> *"The Healthcare vertical is rife with error and misuse. In fact, it is the only industry vertical that has more internal actors behind breaches than external. In addition to these problem areas, ransomware is endemic in the industry."*
>
> **- Verizon Data Breach Incident Report 2018**

verizon✓

Securing Access to Electronic Health Records

Electronic Health Record (EHR) applications can integrate with HID's cloud-based authentication solution with HID Approve™ supporting secure and convenient mobile push notification.

Physician, Healthcare Worker Access

As the number of healthcare security breaches are on the rise, it is even more imperative that the access to electronic health records by physicians, practitioners and other healthcare workers be secure and protected.

HID delivers advanced authentication combined with robust identity proofing. A combination of certificate-based authentication, workflow automation and role-based access, coupled with a wide range of authentication services, delivers secure access capability.

Securing workstation and thin clients - nurses and physicians securely access patient records from anywhere during patient office visits.

Post-visit access to update records – healthcare staff routinely access patient records to update observations, services rendered, treatment plans and more.

Accessing patient records for appointments and lab procedures – staff routinely access patient records in open areas with a high potential of leaving the information unguarded and exposed.

Patient records accessed during report runs - aggregating services performed - can include patient-sensitive information.

Patient Access

In today's mobile and cloud-enabled environment, patients expect instant answers to medical questions including access to a 360-degree view of their healthcare. HIPAA and HITECH mandate that patient privacy and integrity of the data be maintained at all times.

Electronic Health Record (EHR) applications can integrate with HID's cloud-based authentication solution with HID Approve, supporting secure and convenient mobile push notification.

Use cases include:

■ Secure patient online and mobile access to their own healthcare records

■ Online appointments for medical services

■ Access to treatment plans and lab results

■ Viewable and downloadable patient visit.

Electronic Prescriptions for Controlled Substances

What is EPCS?

EPCS is a Drug Enforcement Administration (DEA) regulation that allows prescribers and pharmacies to process prescriptions for controlled substances. Under EPCS, prescribers use identity-based certificates to digitally sign ePrescriptions. Pharmacies can validate those signatures to ensure authenticity before fulfilling a prescription for a controlled substance.

HID Global partners with a network of providers and delivers authentication solutions to simplify EPCS compliance. Electronic Health Record / Electronic Medical Record (eHR/eMR) partners can select authentication methods and options that work for their applications and customer needs. HID Global's own IdenTrust Certificate Authority (CA) offers IdenTrust certificates with credentials for EPCS usage, in accordance with DEA-compliant rules.

HID Global and IdenTrust also provide services that support the Health Information Exchange (HIE) and DirectTrust® Partnership for Patients Program, designed to ensure patient privacy and facilitate exchange of medical records within a secure network. For organizations that have already standardized on other certificate and identity proofing providers, the HID solution can work with those providers as well.

EPCS for Prescribers

HID Global, through our IdenTrust brand, has partnered with multiple eHR/eMR application providers to supply the digital certificate to prescribers who use their software for EPCS prescribing and identity proofing. Secure convenient mobile authentication is available for prescribers whose identities have already been proven.

DirectTrust Solutions

HID global delivers secure support for Health Information Exchanges via Direct Messaging and the DirectTrust network to ensure patient privacy.

EPCS for EHR/EMR Application Providers

HID Global can offer assistance to solution providers to enable applications for EPCS prescribing, as well as to provide DEA-compliant digital certificates and multi-factor authentication to the prescribers who issue electronic prescriptions via eHR/eMR applications.

Secure Authentication

Electronic Prescribing

Paperless Processing

Enhanced Auditability

Benefits of HID Global's Healthcare Solutions:

- Established supplier of security solutions to the healthcare industry
- Meets FIPS 140-2 and other mandated standards
- Enables HIPAA and HITECH compliance
- The market-leading digital certificate provider approved for healthcare
- Most advanced authentication for healthcare
- Widest range of mobile and other devices for trusted identity
- Unique options to merge digital and physical security
- Cloud-based solution to simplify and accelerate partner integration

HID Global offers the most advanced authentication for healthcare including mobile and cloud-based solutions.

A Partner Ecosystem Built Just for You

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