CISCO SECURE | DUO

Healthcare

Duo helps over 700k healthcare workers securely access patient data and conform with compliance requirements.

THE CHALLENGE:

Increasing Attacks

Today, cloud and mobile technologies can provide access to patient data from anywhere and using any device. Doctors are more productive and administer better care, but attackers have a wider footprint to steal sensitive patient data in cloud applications and from a doctor's personal device. Healthcare organizations need a solution that is easy to use for doctors, while keeping the patient data secure.

Remote work has gone mainstream establishing the need for hybrid work models that combine legacy with cloud technology. Mobile and cloud technology provides access to patient data from anywhere, using any device – increasing productivity and the quality of patient care.

But it also increases the attack surface, giving attackers more opportunities to steal patient data from cloud applications and personal devices, then sell them on the black market. Ransomware attacks on healthcare organizations increased 94% year over year, according to the <u>2022 State of Ransomware Report</u> from cybersecurity firm, Sophos. Ransomware can shut down equipment, jeopardize patient care and cost a fortune.

Now more than ever, healthcare organizations need a security solution that's both easy for healthcare providers to use, and effective enough to keep patient data secure.

> " Duo increased our security and was an easy tool to deploy; every organization should consider it immediately. "

Chad Spiers, Director of Information Technology Sentara Healthcare

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THE SOLUTION:

Duo's Trusted Access

Duo provides three distinct benefits to healthcare organizations:

01

Flexibility for Healthcare Providers

Duo offers flexible authentication solutions for every situation like the Duo Push mobile app, soft tokens, hard tokens, passwordless/ biometrics, SMS, U2F, wearables and phone calls that provide highly effective MFA (multi-factor authentication) protection.

Duo's solution allows healthcare workers to authenticate quickly and easily with one tap on an app using their smartphones, making security frictionless in their workflow. Combined with Duo's single sign-on and passwordless solutions, Duo's MFA is even more powerful at protecting credentials and applications.

02

Easily Conform with Compliance

Duo helps healthcare meet compliance regulations like HIPAA and EPCS (Electronic Prescription of Controlled Substances). EPCS requires a second factor to e-prescribe medications. Duo's MFA allows users to self-enroll and approve e-prescriptions on their smartphones.

Duo protects electronic health records (EHR) for Epic with native integrations for both Hyperspace and with Epic Hyperdrive to seamlessly protect Epic while achieving the FIPS 102-2 compliance standard.

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03

Reduce Risk

Duo's cloud-based solution requires no hardware to install, and updates are rolled out automatically with no additional maintenance charges. Plus, you get valuable visibility into managed and unmanaged devices with Duo Device Trust which checks the health of your devices before granting access. You can also limit access to only the devices that are permitted based on contextual policies. Risk-based Authentication monitors each login based on signals and can increase security of more risky login attempts.

In addition, Duo provides unlimited integrations with healthcare applications, including Electronic Health Record (EHR) systems such as Epic; VPNs such as Citrix and Cisco; and cloud applications such as Office 365, Google, Box and more, allowing you to quickly deploy and securely provide access into any application.

" We comply with state and federal mandates for Electronic Prescriptions of Controlled Substances by using Duo for two-factor authentication.

Kimberly Sucy,
Supervisor, Identity and Access Management
Rochester Regional Health System

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