DigiCert®
(/)

Mitigate Risks with PKI

Learn why PKI is the solution for securing your website, devices, internal services, and beyond.

93% of organizations are now using multi-factor authentication (MFA) in some capacity

Passwords No Longer Cut It

Your information is as essential as any of your business assets. Adding extra layers of security to your most valuable systems and data is no longer just an option—it's a necessity. With PKI, you can employ advanced authentication and encryption methods to mitigate risks to your network.

We've updated our Privacy Policy (https://www.digicert.com/digicert-privacy-policy/?inid=dc_updated_policy).

What is PKI?

Public Key Infrastructure (PKI) is a system of processes, technologies, and policies that allows you to encrypt and sign data. You can issue digital certificates that authenticate the identity of users, devices, or services. These certificates create a secure connection for both public web pages and private systems—such as your virtual private network (VPN), internal Wi-Fi, Wiki pages, and other services that support MFA.

Have questions? Visit our PKI FAQs (/pki/faq/).

What is Private PKI?

Private PKI allows you to issue your own private SSL certificates off a unique intermediate root often maintained by a publicly trusted CA. This allows you to tailor certificates around unique needs and deploy on-demand certificates for internal purposes.

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Common PKI Use Cases

Securing web
pages

Encrypting files

Authenticating
and encrypting
email

Authenticating
nodes to
wireless

Authenticating
VPN
connections

PKI Isn't Just for Web Security

Despite common misconceptions, PKI is a perfect match for the exploding IoT sector, providing critical authentication measures.

Customizable:

Digital certificates can size up or down to accommodate any type of device

Scalable:

PKI easily scales so you can manage high volumes of certificates effectively

Competitive:

IoT certificates are cost-effective and priced for high-volume

LEARN MORE (/INTERNET-OF-THINGS/)

Related Resources

5 Steps to Building a Scalable PKI

How to Build a PKI That Scales Interview Series

PKI – The Security Solution for the Internet of Things

White Paper

White Paper

Blog Series

DOWNLOAD (HTTPS://RESOURCES.DIGIC MANAGEMENT/5-STEPS-TO-BUILDING-A-SCALABLE-PKI-THE-SECURITY-ENGINEERS-GUIDE-2)

READ NOW (HTTPS://RESOURCES.DIGIC TO-BUILD-A-PKI-SERIES)

DOWNLOAD (HTTPS://RESOURCES.DIGICERT. OF-THINGS/PKI-THE-SECURITY-SOLUTION-FOR-THE-INTERNET-OF-THINGS)

About

DigiCert is the world's premier provider of high-assurance digital certificates—providing trusted SSL, private and managed PKI deployments, and device certificates for the emerging IoT market. Since our founding almost fifteen years ago, we've been driven by the idea of finding a better way. A better way to provide authentication on the internet. A better way to tailor solutions to our customer's needs. Now, we've added Symantec's experience and talent to our legacy of innovation to find a better way to lead the industry forward, and build greater trust in identity and digital interactions.

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