DigiCert™ Secure App Service

Unrivaled code signing key security to protect business integrity

Solution overview

DigiCert™ Secure App Service helps protect your business against major financial impacts and brand damage from mismanaged code signing. You get no-worry code signing visibility, agility, and trusted security. We safeguard your keys in our highly secure data centers. You gain complete control over and insight into all code signing activity to protect application life and sales.

Secured keys in hosted service

DigiCert maintains any stored keys in a military-grade data center

Multiple signing services

Pool of rotating keys, on-demand keys and unique keys methods available

Role - based access

High degree of control: as roles change, so does access to SAS

Full reporting and audting logs

Unparalleled visibility into access rights, roles, signing event processes, and signed code

DigiCert Secure App Service offers a complete range of code signing management services to protect your business and your users.

Key benefits

Code signing visibility

DigiCert Secure App Service gives you visibility and granular insight into all of your code signing activity. And since we store your keys in the cloud with military-grade protection, you always know where they are and that they're secure.

- Know your keys and reputation are safe.
- Know who signed what.
- Protect the life of your applications by making sure your keys are safe and never shared.

Agility with control

DigiCert Secure App Services gives you the versatility to easily code sign applications on all the different platforms you want in a way that lets you:

- Code sign applications faster on more platforms.
- Free up resources for business focused initiatives.
- Control who can code sign applications.
- Minimize impact if a certificate needs to be revoked.

Code signing security

DigiCert Secure App Service gives you the confidence that your code signing keys are protected and used in compliance with your internal policies to help you:

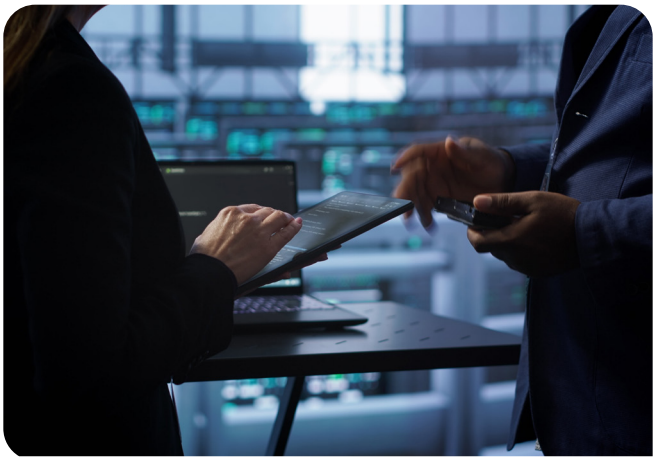
- Protect your business against financial and reputational damage.
- Preserve the life and integrity of your applications.
- Ensure everyone is signing using predetermined standards.
- Avoid signing applications that may contain malware.

DigiCert Secure App Service simplifies and scales up code signing for all your target platforms. Backed by the global cyber security leader, you can trust our security, service, and support to protect your business and code signing efforts.

Instead of signing your applications locally, you upload them to our secure cloud service and we sign them for you. This allows us to securely store your certificate private keys in the cloud in our military-grade data centers. We use the same infrastructure and team that manages our critical PKI infrastructure, handling disaster recovery, storage, scalability, and performance for you. Not only does this simplify and speed up your signing efforts, but it minimizes the security risks, management complexity, and hardware security investments associated with storing your keys locally.

Additionally, if for some reason you can't upload your compiled code to our service (i.e., policy or file size), we offer a hybrid model that allows you to send us a hash of your code for us to sign instead.

Since we support all the major code signing models expected by most software and operating system vendors, we make it easy for you to choose the model that meets the requirements for your target platform and your own internal security policies. These include unique keys, on-demand/multiple signing keys, and a rotating pool of keys. When you select a particular signing service, the most relevant signing model for your target platform will automatically be used unless you choose to use a different model.



Granular role-based access gives you control over who can access the code signing service, what they can do, and what actually gets signed. As individuals' roles change, access can be revoked or modified as needed.

In addition to the comprehensive key management that the Secure App Service web portal gives you, our APIs let you integrate our code signing service with your existing on-premise systems and workflows to automate your internal processes.

DigiCert Secure App Service lets you track, report, and audit all code signing activity and keys. You can know who submitted what application to be signed and when. It lets you know when keys expire so you can update new application versions in advance.

As a subscription service, you pay only for code signing events, not the number of certificates you create. You can pay a fixed price for how much code signing you expect to do during the year. This allows you to take advantage of the added security of using unique keys and rotating pool of keys without having to worry about any added expense. And since we securely store your keys in the cloud, you don't have to invest in any specialized security hardware, such as hardware security modules (HSMs).

Features overview

Cloud-based code signing service

- Simplifies and speeds up code signing.
- Minimizes security risks.
- Eliminates problems with in-house processes from no or insufficient code signing controls to the management complexity and hardware security investments of attempting to provide adequate controls.
- Built-in disaster recovery, storage, scalability, and performance.

Multiple code signing models

- Supports major OS vendor requirements.
- Gives you flexibility to meet internal compliance policies.
- Makes it easy to use the most secure or most appropriate code signing model.

Role-based access controls

- Minimize security risks.
- Avoid business disruptions.
- Control code signing process.
- Enforce accountability.
- Restrict user access to business critical code signing keys.

Web portal and API-driven management

- Simplify code signing management.
- Automate and integrate manual internal processes.
- Manage code signing activity from anywhere.
- Align Test and Production code signing with your internal build processes.

Accountability and compliance reporting with audit logs

- Demonstrate accountability and compliance to CISOs and security managers.
- Know who signed what and when, and how many.
- Easily track and monitor all code signing activity.
- Gain insight and data for risk analysis, Forecasting, and resourcing.

Flexible cost-savings, subscription service

- Save with no-worries flexible, fixed annual pricing.
- Use unique and rotating pool keys at no extra cost.
- Eliminate hardware investment expenses.

Signing services currently available

Adobe PDF	.pdf
Android	.apk (with zipalign optimization included)
Android Assertion	.apk
EV Code Signing	use files referenced in Microsoft Authenticode
GPG	all file types
Microsoft Authenticode Has	use files referenced in Microsoft Authenticode
Java	.jar, .war, .ear, .sar
Java Mobile	.jar and .jad (both are required)
LISP	Now available
Microsoft Authenticode	.exe, .dll, .cab, .msi, .js, .vbs, .ps1, .ocx, .sys, .wsf, .cat, .msp, .cpl, .ef1
Microsoft XAP	.xap
Microsoft CAB	.cab
OpenSSL	all file types and all file hashes
RPM	.rpm
SHA-1 Signing	For legacy OS (MS Windows Vista and Server 2008)
XML - DISG compliant	.xml
XML - XAdES-T format	.xml, .docx, .xlsx, .pptx (Office docs)

TimeStamp services supported

RFC 3161: SHA1 and SHA256
Microsoft Authenticode
Adobe PDF

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