DigiCert® PKI Platform

Release Notes

Version 8.22.3

March 31, 2022

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DigiCert® PKI Platform 8.22.3 Release Notes

DigiCert PKI Platform is a cloud-hosted service provided by DigiCert, Inc.

This document includes the following topics:

What's New in 8.22.3

This release notes accompany the delivery of the DigiCert PKI Platform 8.22.3 release, henceforth referred to as PKI Platform.

PKI Platform is a cloud-hosted service, so your enterprise receives the latest releases as soon as the service is live.

Table 1 – New in 8.22.3

New to 8.22.3	Description
Compliance changes	**Public S/MIME compliance changes** The below compliance changes are applied to all DigiCert Public S/MIME certificates – refer to communications sent by DigiCert to Account Administrators: • Maximum validity period of 3 years, with up to 60 additional days • SAN attributes will be limited to RFC822 Name and Other Name (UPN) extensions • ECC keys will be limited to P-256 and P-384 curves (P-521 NIST curve is no longer supported) • SHA-512 with ECDSA signature algorithm is no longer allowed **Important Reminder**: renewed Public S/MIME certificates will always contain the Subject DN of the to-be-renewed certificate and adhere to all Public S/MIME compliance rules. Also, the ‘rfc822Name’ value cannot be updated as part of the renewal request.
Product legal changes	Added two new country codes to the list of embargoed countries (Russian Federation and Belarus) – for details refer to: https://knowledge.digicert.com/solution/Embargoed-Countries-and-Regions.html
Windows 11 qualification	Support for the Windows 11 Enterprise edition operating system for all portals and supported browsers.
SOAP API Changes	For profiles Public SMIME profiles e.g. Secure Email, S/MIME (Digital Signature only) and S/MIME (Encryption only), the ‘enrollmentURL’ response parameter will not contain a URL. Instead, the ‘enrollmentURL’ response will contain this value:

New to 8.22.3	Description
	`<enrollmentURL>URL not provided for Public SMIME certificate enrollments</enrollmentURL>` The changes apply to the below two SOAP endpoints: • createOrUpdatePasscode • getPasscodeInformation Refer to the “DigiCert® PKI Platform - Web Services Developer’s Guide” for details.

Component Support Updates

All software components are available from the **Resources** page within the PKI Manager web portal.

Table 2 – Additional components supported by PKI Platform 8.22.3

Component	Version
PKI Client	2.21.6[a]
PKI Enterprise Gateway	1.21.1[b]
Autoenrollment Server	2.21.7
PKI Web Services (SOAP API)	8.19
REST API	1.0.41
PKI Client – Android app	2.0.1
DigiCert Desktop Client	3.3.1

[a] The DigiCert Content Distribution Network (CDN) makes available the latest PKI Client release, which can be upgraded only from the preceding release

[b] Same binary version, although the package has been modified with the removal of the RA certificate chain with a link to a KB article, and removed references in the documentation to the Autoenrollment Server.

Platform Support Updates

PKI Platform 8.22.3 supports the platforms and operating systems detailed in the below sections.

Note: In addition to the supported platforms and operating systems, PKI Platform and its components may work on other platforms or operating systems. However, DigiCert does not guarantee technical support related to issues that may arise on platforms or operating systems that are not listed here.

PKI Manager

PKI Manager is a web portal hosted in DigiCert's data center. It allows PKI Platform administrators to perform account, user, certificate, and key management tasks. In order to access the PKI Manager portal, you need an administrator certificate installed on the PKI Client, which is protected by a PIN (2nd factor).

Table 3 – PKI Manager operating system and browser support matrix

Operating systems	Browsers
Windows 7 Enterprise edition SP1 (32-bit and 64-bit)	Internet Explorer 11[a] Firefox 98 Chrome 99
Windows 8.1 (32-bit and 64-bit)	Internet Explorer 11[a] Firefox 98 Chrome 99
Windows 10 Enterprise edition (32-bit and 64-bit)	Internet Explorer 11[a] Firefox 98 Chrome 99 Microsoft Edge 99
Windows 11 Enterprise edition	Firefox 98 Chrome 99 Microsoft Edge 99
Mac (Big Sur, Catalina, Mojave)	Firefox 98 Microsoft Edge 99 Chrome 99

[a] Edge Mode on Internet Explorer is supported.

PKI Certificate Services

PKI Certificate Services are a set of DigiCert-hosted web pages that enable users to request, install, renew, and recover encryption certificates using a web browser.

The matrix below shows the browsers that have been fully qualified by DigiCert using all supported enrollment and authentication methods, but other browser may also work.

Table 4 – PKI Certificate Services operating system and browser support matrix

Operating systems	Browsers
Windows 7 Enterprise edition SP1 (32-bit and 64-bit)	Internet Explorer 11a, b Firefox 98
Windows 8.1 (32-bit and 64-bit)	Internet Explorer 11a, b Firefox 98
Windows 10 (32-bit and 64-bit)	Internet Explorer 11a, b, c Firefox 98 Microsoft Edge 99
Windows 11 Enterprise edition	Firefox 98 Chrome 99 Microsoft Edge 99
Mac (Big Sur, Catalina, Mojave)	Firefox 98

[a] The renewal plug-in is not supported in Internet Explorer 11 if Enhanced Protection Mode (EPM) is enabled. EPM is disabled by default in Internet Explorer 11.

[b] Renewal of OS browser certificates supported only for Internet Explorer on supported operating systems.

[c] Edge mode is not supported.

PKI Client

PKI Client is a middleware software for digital signing, authentication, and data protection for desktop-based applications. It supports auto-renewal of certificates under management and auto-configuration of third-party applications via Post Processing scripts configured by a PKI Administrator. It uses digital certificates on smart cards, Intel TPM chips, security devices, or users' workstations using its own secure virtual keystore (vToken).

Table 5 – PKI Client operating systems and browser support matrix

Operating systems	Browsers
Windows 7 enterprise edition SP1 (64-bit)	Internet Explorer 11 Firefox 98 Chrome 99

Operating systems	Browsers
Windows 8.1 enterprise edition (32-bit and 64-bit)	Internet Explorer 11 Firefox 98 Chrome 99
Windows 10 enterprise edition (32-bit and 64-bit)	Internet Explorer 11 Firefox 98 Chrome 99 Microsoft Edge 99
Windows 11 Enterprise edition	Firefox 98 Chrome 99 Microsoft Edge 99
macOS Mojave (10.14)[a]	Firefox 98

[a] Safari Version 12 or higher and Client Authentication using eToken is not supported on Chrome & Firefox from macOS Mojave.

[b] On macOS Catalina and Big Sur, certificate pickup on Hardware token using Firefox (ONLY) will not work without TokenD enabled in the system. For workaround and details, please refer: KB article.

PKI Client for Android

Table 6 – PKI Client Android version support matrix

Type	Version
Android Snow Cone	12.0
Android Red Velvet Cake	11.0

Mobile Device

PKI Platform supports issuing digital certificates on all devices running on Android, iOS, 13, 14 and 15.

User Authorization Agent (UAA)

The User Authorization Agent (UAA) is a service hosted in DigiCert's data center. It allows PKI Platform administrators to provide details of SAML IdP configurations to perform authentication/authorization before allowing DigiCert to issue a certificate, based on the certificate profile requirements you have set.

UAA service details:

- The UAA service supports both SAML 2.0 IdP and SP-initiated flows.
- The UAA service is composed of two web portals: UAA Admin and User portals.
- The UAA service is enabled by configuring a supported certificate template with the "Federated Auth" authentication method.

  Note: UAA service is not available for Test Drive accounts.

Supported Certificate Templates and Enrollment Methods

List of supported certificate templates and associated enrollment methods that support "Federated Auth"

Table 7 – UAA certificate templates and enrollment method support matrix

Certificate Template	Enrollment Method
All Templates in Device and Server Seat Pools	• CSR
• Client Authentication • S/MIME (Digital Signature only)	• Browser PKCS12 • DigiCert Desktop Client
• Secure Email • S/MIME (Encryption only) • Smart Card Logon	• DigiCert Desktop Client

Note: Manual approval flow is supported for all the above Enrollment Methods, when configuring a Device or Server profiles with a private CA, "Federated Auth" as the authentication method and the "Enable manual approval" option is checked within the UAA Admin portal.

UAA Admin Portal

A portal accessed by PKI Administrators using the same administrator certificate securely stored on DigiCert PKI Client used to access PKI Manager. It allows an administrator to configure SAML profiles detailing where certificate data is sourced from (e.g. Fixed values set by an administrator, from a CSR, from a SAML Assertion) and how users go about enrolling/provisioning certificates (e.g. via a Browser PKCS12 flow, or using the DigiCert Desktop Client to interact with browser keystores).

Table 8 – UAA Admin Portal operating systems and browser support matrix

Operating System	Browser
Windows 10 Enterprise edition	Chrome 99

Windows 11 Enterprise edition Mac (Big Sur, Catalina, Mojave)	Firefox 98 Microsoft Edge 99

UAA User Portal

A portal accessed by end-users to enroll for certificates based on a profile configured by their administrator. Users can authenticate against their SAML IdP provider and land on a UAA User self-service portal, from where they can perform various operations against profile that been configured by their administrator: enroll, download, revoke a certificate.

Users can also be given a specific URL that is bound to a profile and upon clicking on it, they will be redirected to their SAML IdP provider to authenticate/authorize before returning to the UAA User portal from where they can initiate the enrollment process and get a certificate provisioned via the method set by the administrator within the profile.

Table 9 – UAA User Portal operating systems and browser support matrix

Operating System	Browser
Windows 10 Enterprise edition Windows 11 Enterprise edition Mac (Big Sur, Catalina, Mojave) Linux (Ubuntu 18.04) iOS 13, 14 and 15 Android 11 (Red Velvet cake), 12 (Snow Cone)	Chrome 99 Firefox 98 Microsoft Edge 99 Safari 13 (or later)

For UAA configuration details, please refer to the below KB article:
https://knowledge.digicert.com/solution/User-Authorization-Agent(UAA).html

DigiCert Desktop Client

DigiCert Desktop Client can be used to generate keys and install software certificates across various browsers and platforms (Windows and macOS), when configuring a profile with the “DigiCert Desktop Client” enrollment method using the below certificate templates:

- Client Authentication
- S/MIME (Digital Signature only)
- S/MIME (Encryption only)
- Secure Email
- Smart Card Logon

The DigiCert Desktop Client can be downloaded from:
https://pki-ddc.symauth.com/desktopclient

Table 10 – DigiCert Desktop Client operating systems and browser support matrix

Operating systems	Browsers
Windows 10 (64-bit) Windows 11	Chrome 99 Firefox 98 Microsoft Edge 99
Mac (Big Sur, Catalina, Mojave)	Chrome 99 Firefox 98, Microsoft Edge 99 Safari 13 (or later)

Note: Other browsers may work but have not been formally qualified by DigiCert.

Table 11 – Supported DigiCert Desktop Client version

Components	Version Supported
DigiCert Desktop Client	3.3.1

Table 12 – Supported DigiCert Desktop Client templates and auth methods

Certificate Template	Authentication Method
• Client Authentication • Secure Email • S/MIME (Digital Signature only) • S/MIME (Encryption only) • Smart Card Logon	• Manual approval • Enrollment Code • Active Directory [a] • Federated Auth [b]

[a] DigiCert Desktop Client support for the “Active Directory” authentication method is qualified on Windows 10 operating system. Other Windows operating systems may work but have not been formally qualified.

[b] Manual authentication with Federated Auth is not supported for Certificate profiles configured against a Public CA with Cloud escrow options, e.g. “Secure Email” and “S/MIME (Encryption only)”

Table 13 – DigiCert Desktop Client supported hardware tokens

Hardware token vendor	Hardware token model
Gemalto	• eToken 5100 • eToken 5110 • eToken 5300 [a]

[a] eToken 5300 cannot run alongside the DigiCert PKI Client software for Windows machines.

Note: Other tokens may work but have not been formally qualified by DigiCert.

Documentation

Unless otherwise noted, all PKI Platform documents are available from the **Resources** page within the PKI Manager portal. Alternatively, you can also download a history of Release Notes from this KB article.

Issues Addressed

Issues addressed within this release include:

- DPPC-3855 – Fixed issue where some certificates were not being revoked when retiring a device from within the Microsoft Intune portal.
- DPPC-3836 – Fixed issue where some users were getting an "Invalid enrollment link" error when the enrollment was being generated by API.
- DPPC-3979 – updated incorrect Android EOL notice within the Help and Support page inside the PKI Manager portal.

Known Issues

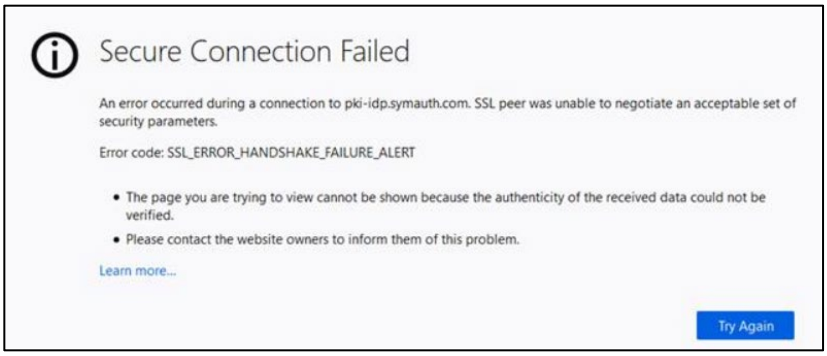
The following are the known issues in this release:

- The DigiCert PKI Client for Android application is built using API version 26 best suited for Android Oreo (8.1) and below.

  The application functionality has been verified on Android 9 (Pie) and Android Q. In some cases, for Android Pie and Q, while opening the application for the first time, you might get an alert stating, "Detected Problems with API". Click "OK" and proceed as the functionality has been successfully verified on both these Android versions.

- On iOS, certificate renewal after its expiry may not happen as expected. There is no workaround to this issue.

- iOS renewals will not work if user kicks off the process from the renewal link which is sent in the renewal e-mail. User must renew the iOS certificate from iPhone's/iPad's settings by updating the profile.
- While installing certificate on iOS for iPhones, although the certificate profile gets downloaded, the DigiCert UI displays a message showing "Your Certificate is not installed".
- User/Admin enrollment on any Browser, any Operating System, may result into a Blank Page without any progress if the Symantec branded Browser extension is not removed from the Browser from where enrollment is attempted. Please manually remove the Symantec branded browser extension and install the DigiCert branded browser extension as provided on our instructions page and then restart the browser. Certificate enrollment should work fine after this procedure.
- Safari version 12 or higher is not supported on any macOS, due to an Apple API change affecting the PKI Client Safari extension.
- Client Authentication using eToken is currently not supported on Chrome & Firefox from macOS.
- For Mac and Windows OS, while accessing the PKI Manager portal using the PKI Client in Firefox browser, an error message may be displayed with the error code: **SSL_ERROR_HANDSHAKE_FAILURE_ALERT.**



Secure Connection Failed

An error occurred during a connection to pki-idp.symauth.com. SSL peer was unable to negotiate an acceptable set of security parameters.

Error code: SSL_ERROR_HANDSHAKE_FAILURE_ALERT

- The page you are trying to view cannot be shown because the authenticity of the received data could not be verified.
- Please contact the website owners to inform them of this problem.

This can be resolved by navigating to the settings of the Security Devices for PKI Client. From the Open Menu panel select -> Options -> type "Certificate" in Find in Options text field -> click on Security Devices button, and

1. Click the Load button and select the PKCS 11 module.
2. Browse to the path where the PKCS 11 module is located:

   For Mac: /usr/local/lib/tblive-4/PKCS11.so

   For Windows: C:\Program Files\DigiCert\PKI Client\PKCS11.dll
3. Click OK.

   You will be able to access the PKI Manager portal successfully.
   For more details on the steps, please refer: KB article

- Certificate information report will not include Other Name (GUID) information for historic certificate data. This data will only be included within the report for certificates issued after the 30th Sep 2020, since this enhancement was delivered as part of the DigiCert PKI Platform v8.20.5 release.