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CLIQ Connect PC Installation Instructions

CLIQ

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Revision History

CWM Version	Date	Changed by	Description
CWM 9.1	2020.01.13	Mateusz Pietryga	Updated with information related to enrolment feature introduced in release 1.7
CWM 9.1	2020.01.13	Mateusz Pietryga	Updated supported OS versions
CCPC 1.7	2020.06.08	Kai Eberle	Changed to CCPC revisioning
CCPC 1.7.1	2021.01.12	Michał Jagoda	Changed revision to CCPC 1.7.1
CCPC 1.7.2	2021.10.19	Katarzyna Basiak	Changed revision to CCPC 1.7.2
CCPC 1.7.3	2022.03.24	Dawid Balicki	Updated supported OS versions
CCPC 1.7.4	2023.04.28	Katarzyna Basiak	Changed revision to CCPC 1.7.4

1 Introduction

1.1 Purpose

This document describes the installation procedure for CLIQ Connect PC.

1.2 Scope

Third-party software/hardware and infrastructure configuration might be mentioned but will not be fully covered in this guide. Refer to the third-party documentation for details.

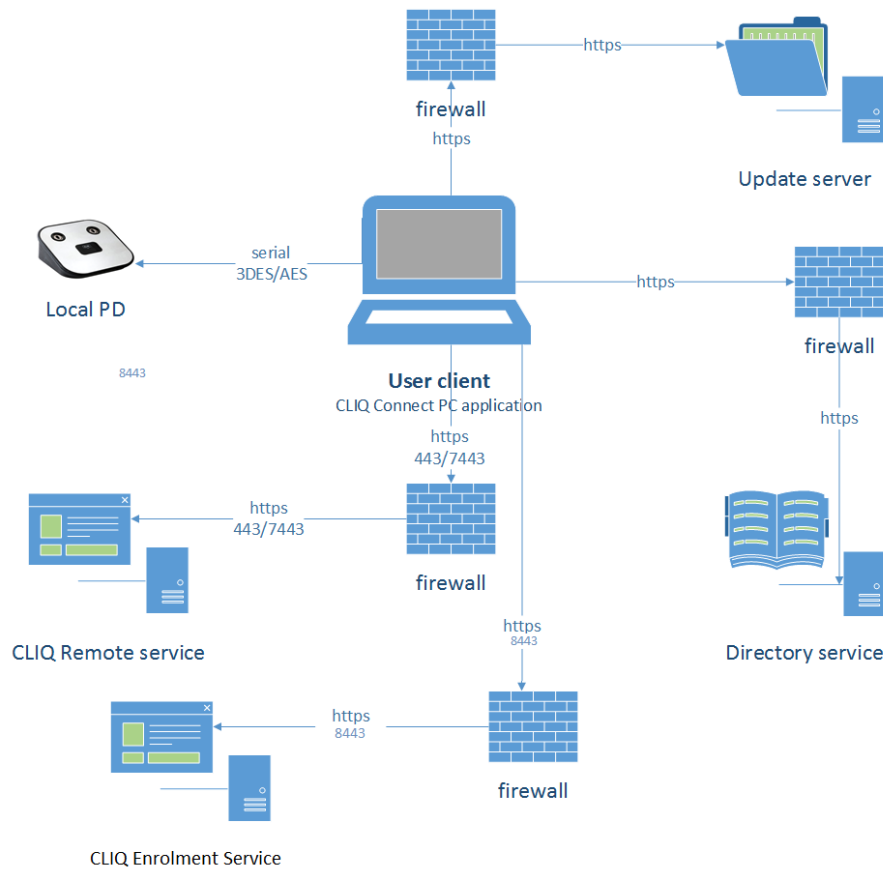
1.3 Definitions and Abbreviations

Expression	Description
C-key	Programming key
MKS	Master Key System
CWM	CLIQ Web Manager
Local PD	Key programming device connected to user's computer
Directory service	A service that based on the MKS name and the company code of the inserted key returns URL of the appropriate CLIQ Remote server. As a result, the CLIQ Connect PC application user does not have to know the Remote service URL.

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2 CLIQ Connect PC Overview

The picture below outlines the main components in a typical setup of CLIQ Connect PC.



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3 Prerequisites

Before starting the installation of CLIQ Connect PC, make sure that you have the required hardware and software available, see the tables below.

Hardware	Minimum recommended
RAM	512 MB
HDD	1 GB available

Software	Recommended	Supported products
OS	Windows 10	Windows 11 Windows 10

Local administrator privileges are not required to complete the installation, however they may be needed in order to install application in the recommended location (MS Windows programs directory).

The installation procedure assumes that the network is configured to enable communication between the nodes according to the figure above (i.e. the CLIQ Connect PC Overview). CWM Remote service is already installed and running.

3.1 Firewall Configuration

Ensure that TCP traffic on port 443 from the Client PCs to the Directory Service is enabled. There should be also communication open to the CWM server on port 443 or 7443 for non-remote installations. CLIQ Connect PC application should be able to connect to the Update server on port 80.

Port to open for traffic on CLIQ Web Manager	
443 TCP	outgoing to the Directory service outgoing to CLIQ Remote Server (if CWM server installed with Remote integration)
7443 TCP	outgoing to the CWM (if CWM server installed without Remote integration)
8443 TCP	outgoing to Enrolment server
80 TCP	outgoing to the Internet

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4 CLIQ Connect PC Installation

4.1 Run the Installer

The CLIQ Connect PC setup is started by running the installer executable. The various installer steps contain elaborate explanation for the details of configurations required for the set up. Please refer to the integrated help texts in the installer for the configurations.

4.2 Verify the Installation

To verify that the installation was successful, perform the following steps.

1. Start the CLIQ Connect PC application.
2. Right click on the CLIQ Connect PC tray icon and choose *About* command, verify the version is correct.
3. Verify in the c:\Users\%USERNAME%\AppData\Local\CLIQ Connect\ that the profiles.xml file has been created and there is non-empty logs.log file inside c:\Users\%USERNAME%\AppData\Local\CLIQ Connect\logs\ folder.

5 External services settings

During installation various integration options may be selected depending on what services are required to use with CLIQ Connect PC. Changing these preferences will require reinstalling the application.

- *Enable automatic updates* – if this option is checked, CLIQ Connect PC will periodically check with ASSA ABLOY's servers if a newer version is available and will prompt user to install it.
- *Directory Service integration* – if this option is checked, CLIQ Connect PC will offer a configuration option to obtain URLs of CLIQ Remote and Enrolment servers automatically from ASSA ABLOY's servers, based on key being used with programming devices.

Depending on the type of Master Key System type that is going to be activated with CLIQ Connect PC, the following options may be selected:

- CLIQ Go systems – select if CLIQ Connect PC is going to be used with CLIQ Go to activate key systems. This is option requires Directory Service integration.
- CLIQ Web Manager (Ckey) systems – select if CLIQ Connect PC is going to be used with CLIQ Web Manager to enrol C-Key certificate.

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5.1 Integration with CLIQ GO (default configuration)

For the majority of users the necessary configuration is enabling ASSA ABLOY automatic updates and CLIQ Go system integration, see Figure 1 below. This kind of integration gives possibility to activate CLIQ Go MKS by CLIQ Connect PC.

Setup - CLIQ Connect 1.7

External services settings

Which services should CLIQ Connect have access to?

Select ASSA ABLOY's services to integrate with. It is recommended to turn on automatic updates and Directory Service integration.

☒ Enable automatic updates ?

What CLIQ system(s) are you using? ?

☒ CLIQ Go ☐ CLIQ Web Manager (C-Key)

☒ Enable Directory Service integration ?

CLIQ Remote URL

CLIQ Enrolment URL

ASSA ABLOY AB

< Back Next > Cancel

Figure 1: Integration with CLIQ Go

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5.2 Integration with CWM

CLIQ Connect PC can be installed with CWM enrolment integration, see Figure 2. This kind of installation gives possibility to perform Key enrolment by CLIQ Connect.

If "Directory Service Integration" flag is selected then ASSA ABLOY service Directory Service may be used to get required CLIQ Remote URL and CLIQ Enrolment URL.

The screenshot shows the 'Setup - CLIQ Connect 1.7' window. The title bar includes the CLIQ logo and window controls. The main content area is titled 'External services settings' and asks 'Which services should CLIQ Connect have access to?'. It provides instructions: 'Select ASSA ABLOY's services to integrate with. It is recommended to turn on automatic updates and Directory Service integration.' The settings include:

- ☒ Enable automatic updates (with a green question mark icon)
- What CLIQ system(s) are you using? (with a green question mark icon):
 - ☐ CLIQ Go
 - ☒ CLIQ Web Manager (C-Key)
- ☒ Enable Directory Service integration (with a green question mark icon)
- Below the last checkbox are two text input fields: 'CLIQ Remote URL' and 'CLIQ Enrolment URL'.

 At the bottom, there is a footer with 'ASSA ABLOY AB' and three buttons: '< Back', 'Next >' (highlighted with a dashed border), and 'Cancel'.

Figure: 2 Integration with CWM

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5.3 Integration with CWM without ASSA ABLOY services

After unchecking both ASSA ABLOY services: automatic updates and Enable Directory Service integration there is no need for Internet connection. You can specify YOUR_HOST from your private network or use localhost if CLIQ Remote is installed on your own computer. Provided URLs can be modified after installation.

Figure 3: Integration with CWM, no Internet connection needed

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5.4 Integration with CLIQ GO and CWM

It is possible to configure CLIQ Connect PC with both: CLIQ Go and CWM integration at the same time if there is a need to work with multiple MKSes of different types: CLIQ Go and CWM from the same machine. Such setup applies to a very limited number of production deployments, and is not recommended for most end users. See Figure 4 for details.

The screenshot shows the 'Setup - CLIQ Connect 1.7' window. Under 'External services settings', it asks 'Which services should CLIQ Connect have access to?'. It includes instructions to select ASSA ABLOY's services and recommends turning on automatic updates and Directory Service integration. The settings are as follows:

- ☒ Enable automatic updates (with a green question mark icon)
- What CLIQ system(s) are you using? (with a green question mark icon)
 - ☒ CLIQ Go
 - ☒ CLIQ Web Manager (C-Key)
- ☒ Enable Directory Service integration (with a green question mark icon)
 - CLIQ Remote URL:
 - CLIQ Enrolment URL:

At the bottom, there is a 'Next >' button highlighted with a dashed border, along with '< Back' and 'Cancel' buttons. The footer shows 'ASSA ABLOY AB'.

Figure 4: CLIQ Go and CWM integration at the same time

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5.5 No enrolment integration

If neither CLIQ Go nor C-Key type of system is selected possibility to activate systems or acquire C-Key certificate are disabled. If this is the case, CLIQ Connect may only be used with MKSes that are already activated, and the user installed the required certificate received by other means. If "Enable Directory Service integration" is also unchecked, enrolment url is not required during installation process.

NOTE: should the user certificates eventually expire, user will not have the possibility to renew them easily with CLIQ Connect PC.

Setup - CLIQ Connect 1.7-RC2

External services settings

Which services should CLIQ Connect have access to?

Select ASSA ABLOY's services to integrate with. It is recommended to turn on automatic updates and Directory Service integration.

☒ Enable automatic updates

What CLIQ system(s) are you using?

☐ CLIQ Go ☐ CLIQ Web Manager (C-Key)

☐ Enable Directory Service integration

CLIQ Remote URL

CLIQ Enrolment URL

ASSA ABLOY AB

< Back Next > Cancel

Figure 5: CLIQ Go and CWM integration both disabled