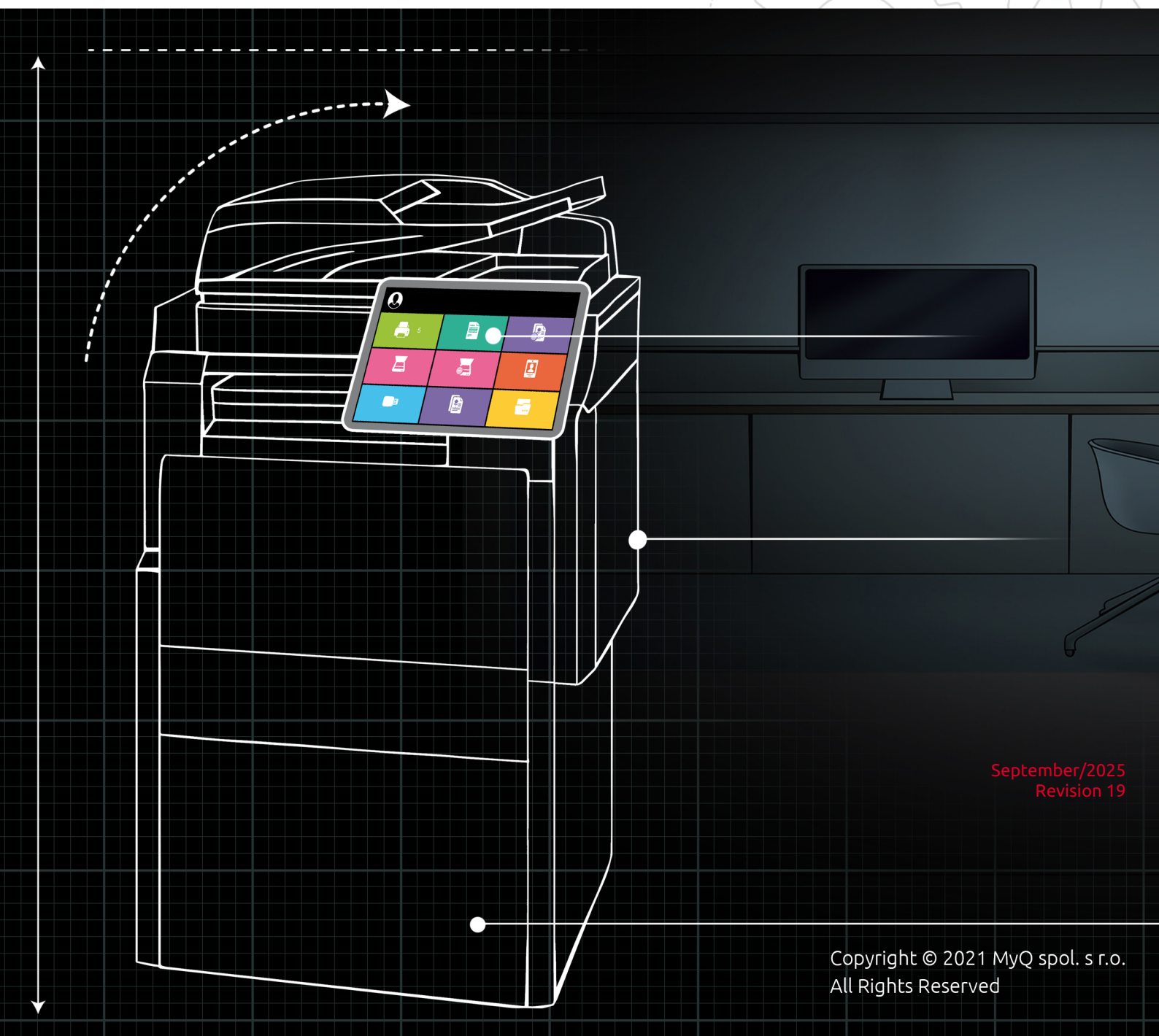




MyQ Desktop Client 10.2 for Windows



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Revision 19

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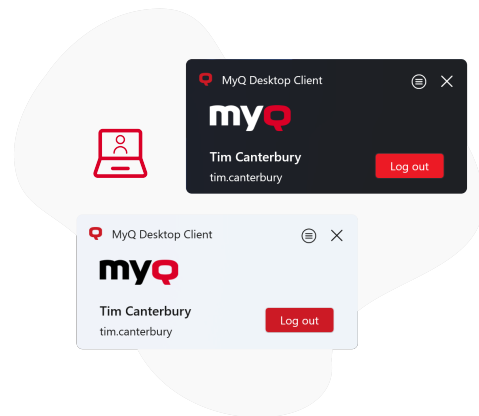
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1 MyQ Desktop Client 10.2 for Windows

Work happens everywhere - across offices, homes, and on the move. MyQ's Desktop Client keeps printing just as flexible, delivering smart, reliable workflows for hybrid teams. It powers user print mobility, failover printing, and more to keep jobs moving even when networks or devices change.

Key Features

- User identification and print-job encryption
- Integrated job parsing and automatic printer provisioning
- Job accounting and policy enforcement
- Alternative paths like client spooling and fallback printing



Desktop Client can also monitor and apply print policies for locally connected multifunction printers, enabling IT administrators and users to enjoy enhanced functionality and convenience, and making it an essential tool for businesses in today's smart work environment.



For a list of changes in previous patch versions, see the (10.2) Release Notes.

1.1 Feature Overview

Here are the key reasons to consider whether MyQ X's Desktop Client is the right choice

for your organization.

Printing	MyQ X 10.2 Enterprise / Ultimate
Secure Printing via MyQ X Print Server (with Cross-vendor Support)	✓
MDC's Client Spooling for Direct IP Printing (with Cross-vendor Support)	✓
<ul style="list-style-type: none"> • Modification of Print Options on the Device 	✓
<ul style="list-style-type: none"> • Watermark Support 	✓
Configuration Profiles for Specific Clients (per IP ranges or Hostnames)	✓
Public Mode for Shared Workstations and Release Stations	✓
Local Monitoring of USB-connected Devices	✓
Printing to Device Spooling-enabled MFDs (failover and serverless printing) ¹	✓
Fallback Printer Selection for Server Downtime Period	✓
Auto Location Switching in Multi-Site Environments	✓
Printing Rules and Interactive Printing Prompts	✓
Accounting & Billing	
Quota	✓

Printing	MyQ X 10.2 Enterprise / Ultimate
Credit (Pay-for-Print)	✓
Cost Center Assignment	✓
Project Assignment	✓
Authentication & User Profile	
Sign in with PIN	✓
Sign in with ID Card	✓
Sign in with Sign in with Microsoft	✓
Sign in with Username + Password	✓
Automatic Integrated Windows Authentication for Domain Users	✓
Quota/Credit Balance Status	✓
Generate New PIN	✓
Printer Provisioning	
Remote Printer Driver Deployment in Domain Environments	✓
Print Driver Deployment in Domain-less Environments & BYOD	✓
Print Driver Deployment Based on Security Groups	✓
Print Driver Configuration Profiles (Predefined Printing Defaults Supported)	✓

Printing	MyQ X 10.2 Enterprise / Ultimate
Secure Forward Printing to MyQ X Print Server	✓
Client Spooling for Direct IP Printing	✓
Universal IPP Printer Provisioning	✓
Windows, macOS Support	✓

¹ Support for Kyocera and Ricoh Embedded Terminals

2 System Requirements

You can upgrade from previous versions of MyQ Smart Job Manager and MyQ Desktop Client.

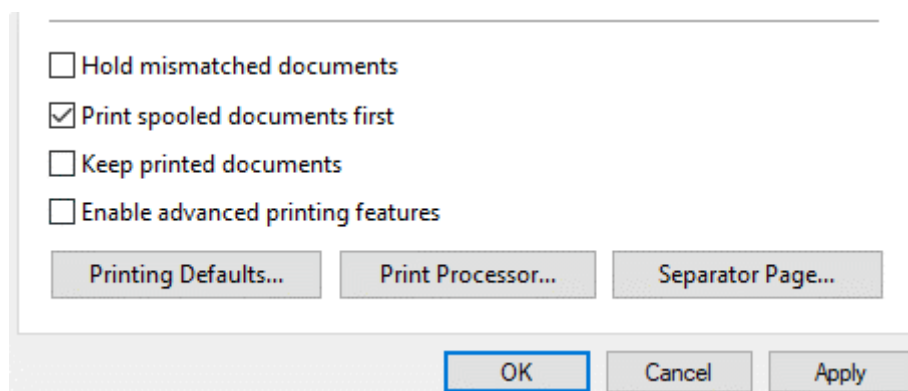
2.1 Server Requirements


The maximum recommended number of concurrent Desktop Clients connected to one MyQ server is estimated to *10,000*.

- MyQ Print Server 10.2 (Patch 3+)
- MyQ Central Server 10.2.

2.2 Client Requirements

- **OS**
Windows 11 (64-bit, ARM 64-bit) / Windows 10 (64-bit, version 1809 and higher)
Windows Server 2019 and later.
- **Memory**
2GB minimal requirement, client consumes 256 MB dependent on the print job load.
- **Hard Disk**
350 MB for installation, with additional requirements in cases where jobs are spooled or if queue deploy is used.
- Microsoft .NET is bundled inside the Desktop Client and does not need to be installed.
- The Windows App SDK runtime is bundled inside the Desktop Client and does not need to be installed.
- To make sure that Desktop Client works properly, deselect the **Keep printed documents** option, and the **Enable advanced printing features** option on the **Advanced** tab of the print driver. They are used for sending jobs to MyQ.




 Built-in IPP Driver is supported only on the following Windows versions:

- Windows 10 22H2 and higher.

- Windows 11 22H2 and higher.
- Windows Server 2022 20348.2849 and higher.

2.2.1 Certificate Management

Before you install Desktop Client, you should install a trusted certificate on the client computer. This will establish a secure connection to the MyQ Server.

 It may only be necessary to generate certificates when using **Strict** security mode, follow the instructions below or use your own preferred method for certificate generation.

To achieve that, first generate a CA certificate on the MyQ Server.

Generate a CA Certificate on the Server

1. Log in to the MyQ Web Interface as an administrator and go to **MyQ, Settings, Network**.
2. In the **General** section, in the **This server hostname** field, add the hostname of the computer running MyQ and click **Save**.
3. In the Certificates section, do the following:
 - a. In **Server alternative names**, add the IP address or hostname of the MyQ Server.
 - b. Click **Generate new Server certificate** and then click **Save**.
 - c. Once your changes are saved, click **Export CA Certificate**.
4. Save the exported certificate to the client computer where Desktop Client will be installed.

Install the Certificate on Windows

1. Double-click on the certificate .crt file, and click **Install Certificate**.
2. Set Store Location to **Local Machine**.
3. Place all the certificates in the following store: **Trusted Root Certification Authorities**.
4. Click **Next** and then **Finish**.

Before you start the installation, first create a queue on the MyQ Web Interface with the **User Detection Method** set to MyQ Desktop Client.

Now you are ready to move on to the Desktop Client installation, described in [Installation](#).

2.3 Upgrading the Client

You can simply run the installer, and it will perform the upgrade automatically if an older version of the client is detected on the system.

2.4 Troubleshooting

The logs can either be accessed via the action menu or can be found in the following locations:

C:\ProgramData\MyQ\Desktop Client\Logs

C:\Users\[Windows User]\AppData\Local\MyQ\Desktop Client\Logs

3 Install and Configure

You can install the MyQ Desktop Client via the setup wizard, with a customized configuration file, or with a command line with parameters. While you can install Desktop Client on a single machine, it is typically deployed across managed environments. Desktop Client support these deployment methods:

- [Intune](#)
- [Microsoft Endpoint Management](#)
- [Remote installation with Apple Remote Desktop](#)

3.1 Before Installation

Customize your installation so that once installed, Desktop Client automatically connects to your server. You can perform a customized installation in these ways:

- Customize the installation package filename.
- Edit the `config.ini` file, then run the installer.
- Perform a silent installation, and pass the server details as arguments.
- Install Desktop Client manually and connect to the server later.

3.1.1 Customize Installation Filename

Edit the installation filename to include your server address, server port, and security mode. The installer can be named with following the structure:

(MyQ-)DesktopClient ServerAddress-ServerPort(-Normal|Strict).msi



Notes

- Values for `ServerAddress` and `ServerPort` are required.
- A value for `Normal|Strict` is optional (defaults to `Strict` when omitted).
- You must include a space before `ServerAddress`!

Examples

- Desktop Client 10.2 contoso.myq.com-443.msi
 - ServerAddress: `contoso.myq.com`
 - ServerPort: 443
 - SecurityMode: Strict
- Desktop Client 10.2 (Patch 2) acme.com-8090-Normal.msi
 - ServerAddress: `acme.com`
 - ServerPort: 8090
 - SecurityMode: Normal

3.1.2 Edit the config.ini File

The **Server Address**, **Server Port**, **Security Mode**, and default system browser can be set by editing the config.ini included in the installation package. The available security modes are **Strict** and **Normal**.



The config.ini must be in the same directory as the installation package when the installer runs. The configuration is applied upon startup.

3.2 Silent Installation

To silently install the application, download the latest available version of the installation file from the MyQ Community portal, open the Windows command line, and use the following command with **Address** stating the server address, **Port** specifying the port, and **Normal|Strict** specifying the security mode:

```
msiexec /i "ClientInstaller.msi" /qn SERVERADDRESS=Address  
SERVERPORT=Port SECURITYMODE=Normal|Strict
```

Preferences after silent installation can be set using **Configuration Profiles**, as described above.

3.3 Manual Installation

You can allow users to manually install Desktop Client on their machines.

To successfully run the installer, one of the methods to define the server to which Desktop Client should connect must be used.

1. Download the latest available version of the installation file from the MyQ Community portal.
2. Double-click on the installation file, and proceed through the installation wizard.
3. Desktop Client is now installed and open.
Desktop Client runs as an application and background service.

If the security mode is set to **Normal**, a connection privacy warning appears after installation.

For information about how to configure Desktop Client, [Configuration Profiles](#) and [Configure Printers and Job Processing](#).

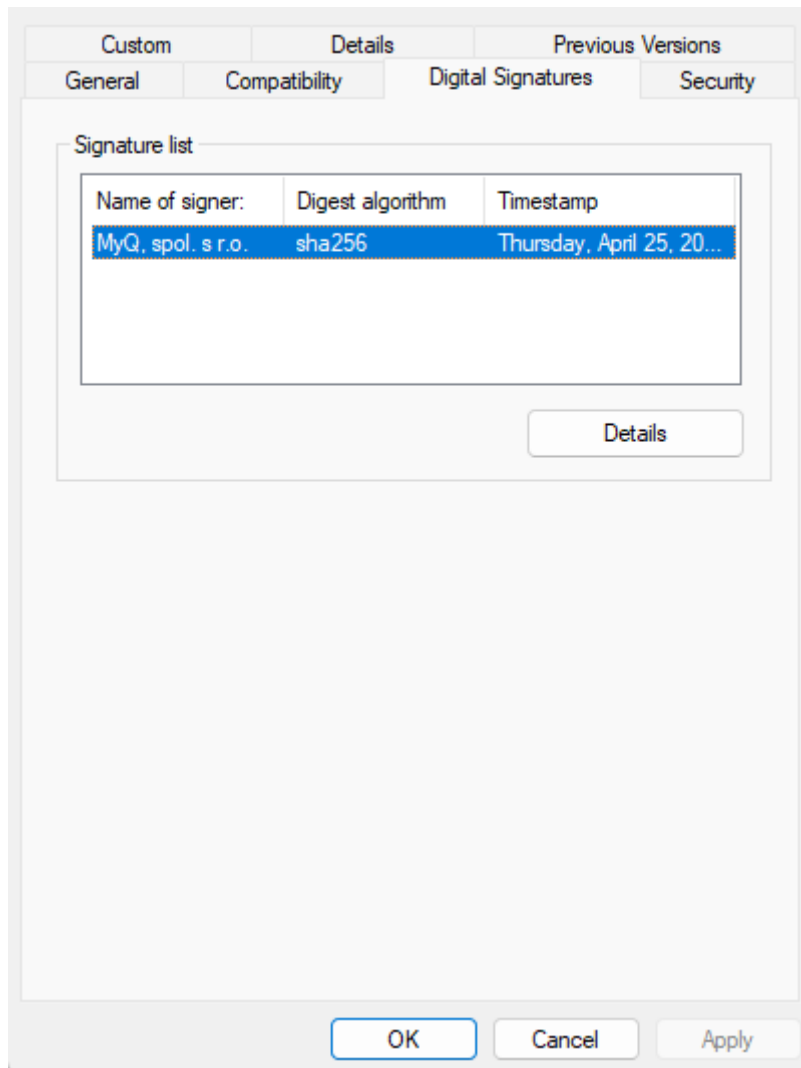
3.4 PowerShell Execution Policy Information

If Windows has set [Powershell ExecutionPolicy](#) to AllSigned, it is not possible to run scripts unless a script is signed and also a certificate added to the Trusted Publishers in a certificate store. If the script is unsigned, it is not possible to execute it at all.

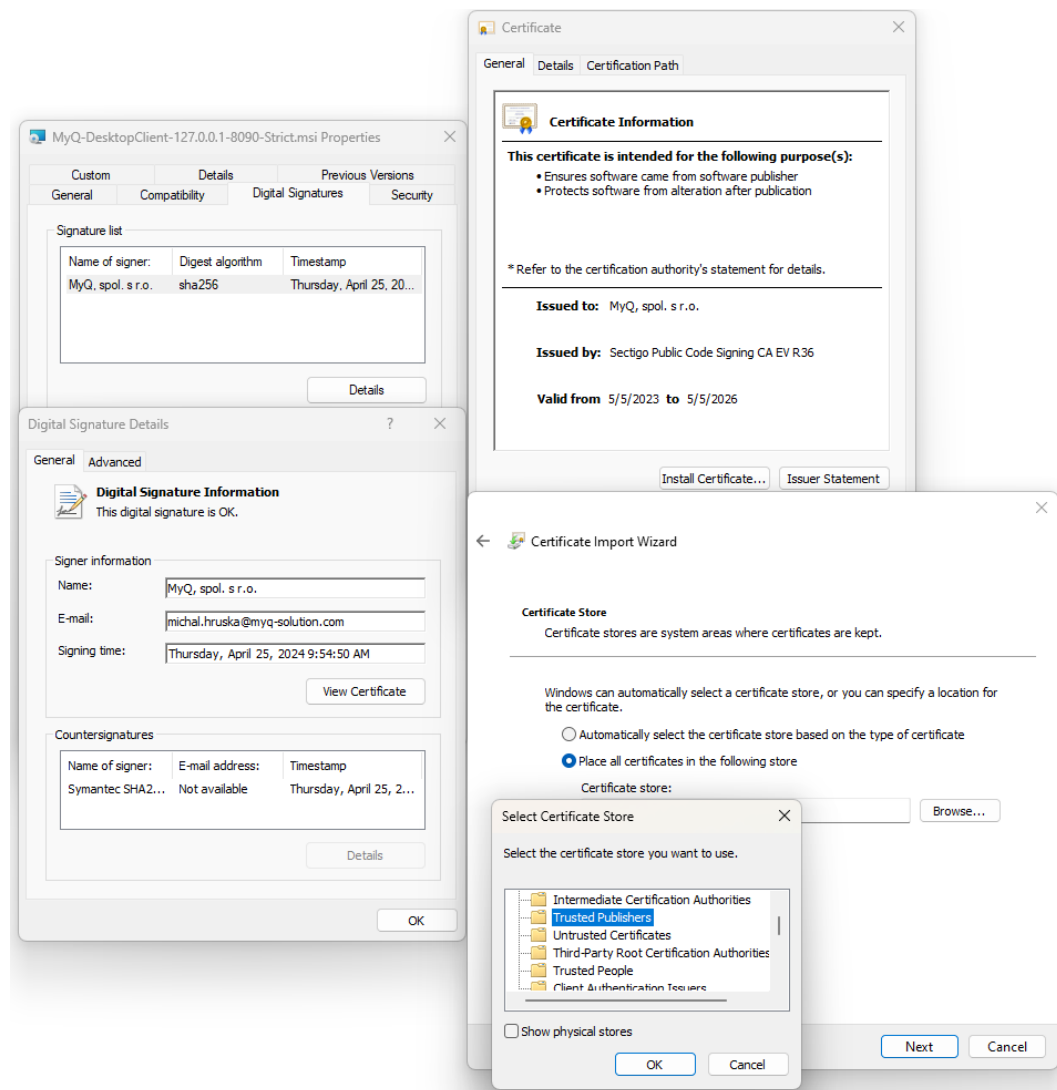
Open Local Group Policy Editor, navigate to **Administrative Templates\Windows Components\Windows PowerShell**, set "Turn on Script Execution" to **Enabled**, and set the Execution Policy to **Allow only signed scripts**. Then export and install the certificate.

To export and install the certificate:

1. Open the signed file properties and select Digital Signatures and open the MyQ Certificate **Details**.



2. Click on **View Certificate**, then click on **Install Certificate** and select the Local Machine store where you want to apply the certificate.
3. Select **Place all certificates in the following store**, click on **Browse**, choose **Trusted Publishers** and click **OK**.



4. Finish the certificate installation.

3.4.1 Skip Executing PowerShell Scripts (10.2 Patch 2 and higher)

Certain company restrictions may prohibit the execution of PowerShell scripts, potentially causing installation failures. To bypass the use of PowerShell scripts during installation, use the parameter **NOPOWERSHELL=TRUE** when initiating the installation process.

There are two limitations if the PowerShell scripts are not executed:

- The printer port "MyQ_MDC" will not be created.
- Detecting parameters from the installer name will not function.

3.5 Configuration Profiles

As an administrator, you can manage multiple configuration profiles for MyQ Desktop Client in MyQ, and deploy them according to your organization's needs. For example, you might want to specify fallback printers per office location, or you might choose to enable client spooling for selected workstations only.

i You can configure profiles before deploying Desktop Client 10.2+. Once Desktop Client connects to the server, it automatically uses settings from applicable profiles if this feature is enabled.

Desktop Clients that are not matched in any of the configuration profiles will use settings from the Default profile. If the client matches multiple profiles, the highest-matched profile in this list will be used.

The screenshot shows the MyQ Desktop Client settings page. On the left is a sidebar with navigation options: Settings, MyQ Desktop Client, Users, Policies, User Synchronization, User Authentication, and Rights. The main content area is titled 'MyQ Desktop Client' and contains a description of configuration profiles. Below this is a section for 'Configuration Profiles' with a 'NEW' badge and buttons for 'Add...', 'down arrow', 'up arrow', 'Actions', and 'Tools'. A table lists the profiles:

Name	Configuration Profile	Clients
Default	Client mode: Private computer Job Processing: Secure print job forwarding Fallback Printing: Disabled Local Print Monitoring: Disabled	

3.5.1 Create a Configuration Profile for Desktop Client

1. Go to **MyQ>Settings>MyQ Desktop Client**, click **Add** in the Configuration Profiles section.
2. On the **General** tab enter a **Name** for your configuration profile.

Desktop Client Configuration: <no name>

General Printing

Name: *

Clients

Assign clients to this configuration profile. Define them by IP address ranges or hostnames. Hostname supports regular expressions.

Method: * ☒ IP range

From To

+ Add

☐ Hostnames

Exclude: + Add

Authentication

Client mode: * Private computer

Use Public computer for public spaces such as libraries, and school printing rooms. One-off authentication and print via MyQ Desktop Client are expected in these environments.

Login methods: * ☒ Sign in with MyQ

☐ ID Card

☐ Seamless Single Sign-On

Select how the user can sign in to the Desktop Client.

Printer Provisioning

When disabled, printers and drivers on clients using this profile will not be updated. Already provisioned printers are preserved.

+ Add Cancel

3. In the **Clients** section specify which clients this configuration profile should apply to, either using an **IP range** or **Hostnames regex**. You can also add exclusions.
4. In the **Authentication** section select a **Client mode**.
 - **Private mode:** Desktop Client offers a more lenient authentication and session management approach, acknowledging the trust level of a personal or assigned device.
 - **Public mode:** designed with communal device security in mind, ensuring that print jobs and user sessions are managed to prevent unauthorized access. Read more about Private and Public mode here.
5. In the **Authentication** section choose an appropriate **Login method**:

- **Sign in with MyQ**
 - **ID Card** (requires a card reader on the user's device)
 - **Seamless Single Sign-On** (Seamless SSO uses Microsoft Entra ID Single Sign-on and [Integrated Windows Authentication](#)). For more information, see (v1) Integrated Windows Authentication in the Deployment guide.
6. In **Printer Provisioning** choose to enable or disable Printer Provisioning. When disabled, printers and drivers on clients using this profile will not be updated, which can be helpful to prevent unwanted changes, while preserving past ones.

Desktop Client Configuration: Default

General
 Printing

Job Processing

Processing method: *

☒ Secure print job forwarding
 All print jobs received by the Desktop Client are automatically forwarded to the MyQ Print Server over a secure port. Desktop client is only used for authentication and accounting.

☐ Client Spooling
 The Desktop Client stores the job data on the computer and releases it directly to a printer upon server's command. This lowers network usage to the server.

Append domain name to username: ☒
 The username will be set as username@domain on the job.

Fallback Printing

With Fallback Printing, users are given an alternative method of printing during server downtime. Configure how the fallback printer is selected, printing method, and release conditions.

Printers or group: * All printers

Release conditions: * Only if user has enough credit/quota

Device port

Protocol: * LPR

Port: * 515

Queue: * default

Local Print Monitoring

Allows accounting of jobs released on local printers not managed by MyQ.

Monitored ports:
 Comma separated list of ports (e.g., USB, LPT). If empty, all ports are monitored.

Release conditions: * Always release the job

Save
 Cancel

7. On the **Printing** tab in the **Job Processing** section select a **Processing method** from:
 - a. **Secure print job forwarding:** All print jobs received by the Desktop Client are automatically forwarded to the MyQ Print Server over a secure port. Desktop client is only used for authentication and accounting.

- b. **Client spooling:** The Desktop Client stores the job data on the computer and releases it directly to a printer upon server's command. This lowers network usage to the server.
- 8. Choose if you want to **Append domain name to username**, if enabled the username will be set as username@domain on the job.
- 9. Enable or disable **Fallback Printing**, which allows users to be given an alternative method of printing during server downtime. Configure how the fallback printer is selected, the printing method, and release conditions.
- 10. Enable or disable **Local Print Monitoring**, which allows the accounting of jobs released on local printers not managed by MyQ.
 - a. **Local Print Monitoring:** If enabled, jobs on printers not managed by MyQ server will be accounted.
 - b. **Monitored ports:** Enter the names of the ports that you want to monitor, separated by comma (.). You can use '*' to monitor all name-related ports (i.e.: USB* for ports USB1, USB2, etc.). Leave the field empty to monitor all ports.
 - c. **Release conditions:** Select one of the available options - **Always release the job, Only if user has enough credit/quota, Only if print server is online.**
- 11. Click **Save**, your configuration profile is created and automatically applied to the Desktop Clients of the specified clients.

3.5.2 Connect to a Central Server

It is also possible to connect Desktop Client to a site via a Central Server.

1. Edit the installer name or config file as described above to correspond to the Server Address and Server Port of the Central Server.
2. Navigate to **Sites**, **Edit** the relevant site, and enter the **IP range** of the devices to be connected to this location with Desktop Client (it is also possible to create exclusions).

3. Desktop Client will now connect to the specified Site server.

3.6 Configure Printers and Job Processing

MyQ Desktop Client has two possible configuration options of Job Processing, configurable in the Desktop Client setup wizard:

1. Secure print job forwarding
2. Client spooling

3.6.1 Secure Print Job Forwarding

If you enable this feature, jobs sent to Desktop Client will be automatically forwarded to the MyQ Print Server over a secure encrypted IPPS protocol. This feature requires significantly more network resources than Client Spooling, as all jobs are forwarded to the MyQ Server.

Setup in MyQ Web User Interface

In the **MyQ Desktop Client** tab of the **Settings** in the MyQ Web User Interface, make sure that the **Job Processing** method of the relevant configuration profile is set to **Secure print job forwarding**.

Printer and Driver Setup

The printer and driver must be installed on the workstation where Desktop Client will be running. The recommended configuration is the following:

- **Printer Name or IP Address:** **localhost** or **127.0.0.1** (this is the address that Desktop Client listens to on port 515).
- **Queue Name** should be your MyQ queue.

Configure Standard TCP/IP Port Monitor

Port Settings

Port Name:

Printer Name or IP Address:

Protocol:

☐ Raw ☒ LPR

Raw Settings

Port Number:

LPR Settings

Queue Name:

☒ LPR Byte Counting Enabled

☐ SNMP Status Enabled

Community Name:

SNMP Device Index:

OK Cancel

3.6.2 Client Spooling

If you enable this feature, jobs sent to Desktop Client are locally spooled and stored in the user's computer. This feature is helpful when the network resources are limited since the jobs are spooled locally and stored in the user's computer; only metadata is sent to the MyQ Print Server.

Setup in MyQ Web User Interface

In the **MyQ Desktop Client** tab of the **Settings** in the MyQ Web User Interface, make sure that the **Job Processing** method of the relevant configuration profile is set to **Client Spooling**.

3.6.3 Refresh Client Configuration

After changes to the Client configuration have been made in the MyQ Web User Interface, use the **Admin Options>Refresh client configuration** option to immediately enact these changes in the Desktop Client.



Only admin users can **Refresh client configuration**.

4 Desktop Client Features

MyQ Desktop Client offers the following features:

- **User Identification** - Users are identified via multiple authentication methods.
- **User Account Information** - Once authenticated, users can view their account information, along with their credit and quota status.
- **Job Management** - Print jobs management related to payment accounts (credit, quota, cost center selection), project management, and user interaction via custom scripts.
- **Client Printing Options** - Client Spooling and Secure print forwarding.
- **Printer Provisioning** - Allows users to get easy access to the right printers that are supposed to be available to them, and the administrator to deploy MyQ queues more efficiently, requiring as little manual configuration as possible.
- **Print Driver Capture** - Allows administrators to take a snapshot of the settings for a print driver and upload the driver to a centralized driver repository on the MyQ Print Server for easy deployment with Printer Provisioning.

4.1 User Identification

One of the essential functions of the MyQ Desktop Client application is identifying the MyQ user on the computer where it is installed. Thanks to this identification, Desktop Client can mediate communication between the user and the MyQ server:

- It can inform the user about the state of their account
- It enables the user to manage their print jobs
- It also enables the server to determine the job sender.

Before a job can be sent to a queue, the sending user must authenticate themselves in Desktop Client.

If the **Append domain name** option was enabled, Desktop Client automatically adds the host computer's domain name to the username. This is often required in environments with multiple domains, where users with the same login may exist. The username format is **login@domainname**. For example, **john.doe@MyQUS** and **john.doe@MyQUK**.

4.1.1 Sign in with MyQ/ID Card

With the **Sign in with MyQ**, or **ID Card** authentication method selected, the user can open the sign in options by clicking the MyQ icon on the system tray. The user can then log in with their MyQ credentials or swipe their ID card at an attached terminal.

4.1.2 Integrated Windows Authentication

With the **Seamless Single Sign-on** method selected, the user is identified as the currently opened OS account user and is automatically logged in Desktop Client.


4.1.3 Authentication in Private vs Public Mode

Depending on the **Client mode** selected in the relevant Desktop Client configuration profile, users will be logged in either in Private or Public mode.

- A user logged in to the client in the **Private mode** of authentication is always remembered after login.
- A client in **Public mode** is automatically logged out after printing a document or one minute of inactivity.

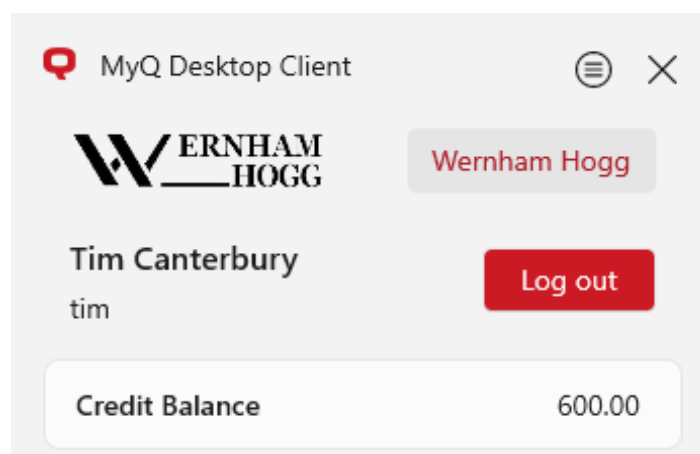
4.2 User Account Information

Once the user signs in, they can click MyQ Desktop Client icon on the system tray to open it. In this window, they can see their username and full name. If personalization settings on the server have been edited, they may also see their company logo and a link specified by their administrator.

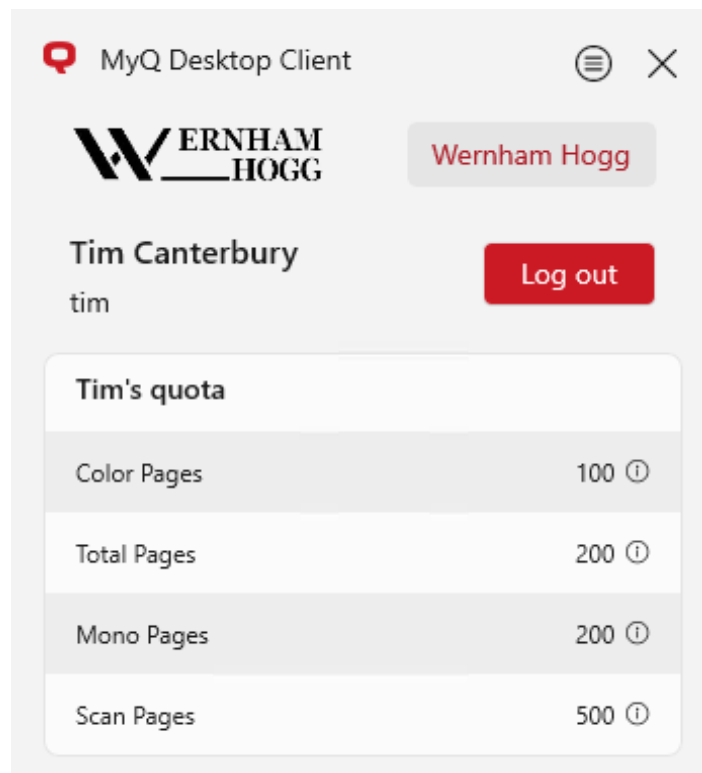
 If a user's rights are edited in the Web UI while they are logged into Desktop Client, these changes are not reflected in the Desktop Client even after a restart. The user must log out and log back in to the Desktop Client for rights changes to take effect.

4.2.1 Credit and Quota Information

If credit accounting is enabled on the MyQ server and applied to the user, they can also see the current state of their credit.



If quota is enabled on the MyQ server and applied to the user, they can also see the current state of their quota.



4.2.2 Generate New PIN

If this option is enabled on the MyQ server and applied to the user, they can generate a new PIN for themselves. To do so:

1. Log in to Desktop Client, click the options button and then select **Generate PIN**.
2. The new PIN is generated and displayed.

4.2.3 About

Clicking **About** in the context menu opens a pop-up which displays:

- The current **Client Version**.
- The **Connected server**.
- The **Configuration profile** assigned on the server.

This information can be copied and relayed to an administrator when a user experiences issues with their Desktop Client.

4.2.4 Additional Options

The **Log out** button logs the user out of the account. If selected in the **Personalization** tab of MyQ settings, a custom link may be shown in the Desktop Client tab.

▼ Custom link in the MyQ Desktop Client

The link is displayed in the MyQ Desktop Client. It can be a weblink, a network path or a local path.

Title:

Link:

✓ Save

Cancel

4.3 Job Management

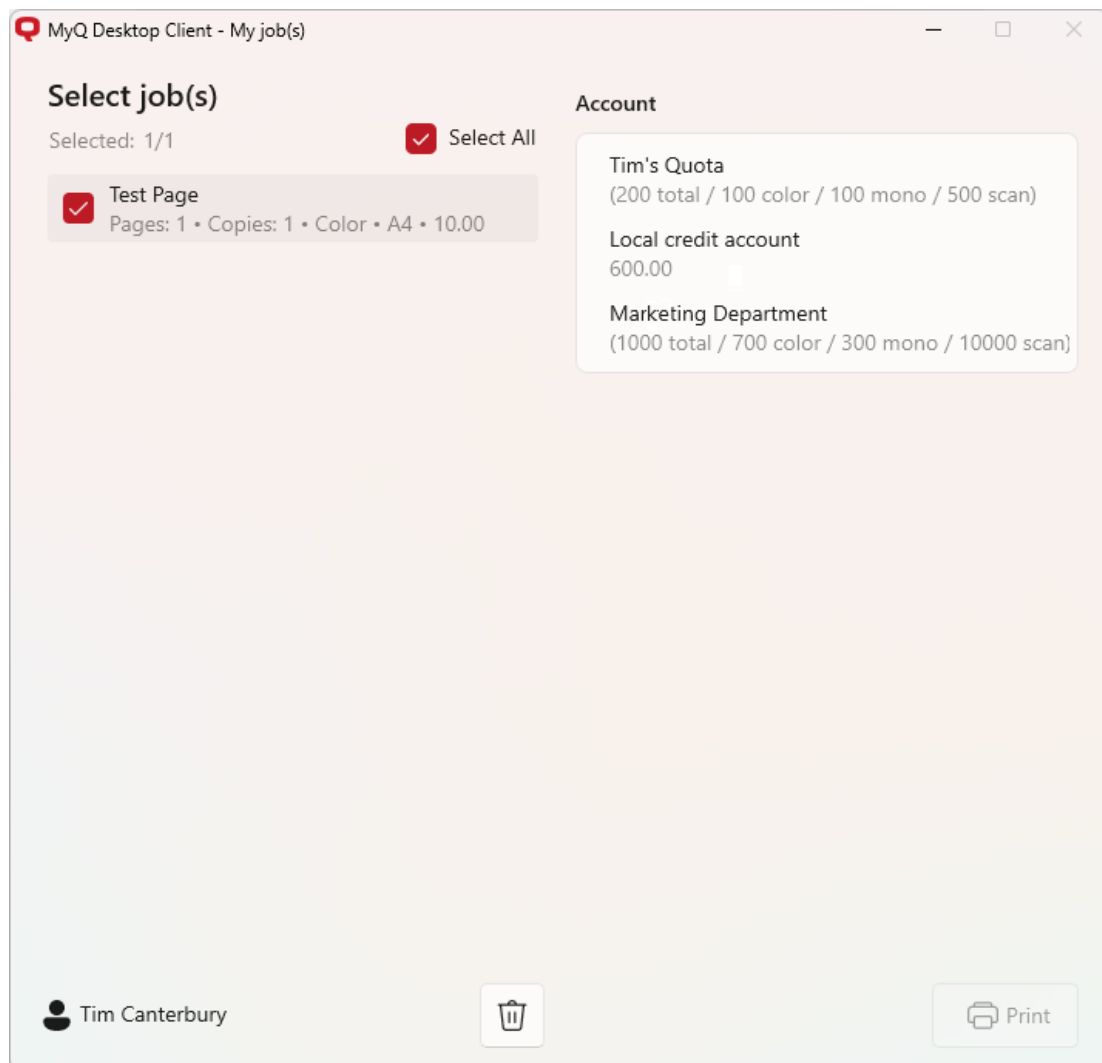
The MyQ Desktop Client application enables the user to simply manage their print jobs on the computer from which jobs are sent. This option is available if at least one of the three following features is enabled on the MyQ server:

- User interaction script is set on the queue where the job is sent to, as described in Interactive job processing.
- Projects are enabled and the sending user has access to more than one project, as described in Project management.

If the user has credit, quota, and projects disabled, the job management window is not displayed, and the print job is directly sent to the server.

Depending on the Accounting settings (accounting group or cost center) on the server, the user may be prompted to select an account where the job will be charged.

- **Accounting Group mode:**
 - Internal credit, external credit, and combined quotas (personal, shared, both) are the possible account options.
 - In case of combined quotas, only the lowest quota value is displayed.
 - If credit is used, no quota is spent (even when the quota is later edited and recalculated).
 - In case the user has personal quota "pages" and shared quota "cost" or vice versa, both pages and cost are displayed. For example: **Quota (10 total/9 color/8 mono/7 scan /3 USD)**
- **Cost Center mode:**
 - Internal credit, external credit, personal quota, and multiple shared quotas are the possible accounts options.
 - Only one (selected) quota is spent, so all quotas should be displayed as separate accounts.



- Cost Center selection in Desktop Client should appear only for **Direct Print** queues.

If there is only one account available for the user, it is selected and charged automatically, thus there is no **Select Account** prompt.

4.3.1 Interactive Job Processing

With this feature, users can be informed about important print job properties and can be asked if they want to change some of them; for example, to print in duplex or in black and white.

To enable this option, the MyQ administrator has to add a PHP script to the queue where the job is sent.

There are four dialog options available for this feature:

- A dialog box with a text content and Yes/No options.
- A dialog box with a text content and Print/No options.
- A dialog box with a text content and Yes/No/Cancel options.
- A dialog box with a list of options the user can select from (selection can be limited to one option or allow checking multiple options).

Jobs sent to a queue with a user interaction script are automatically paused and the job management window with basic information about the job appears on the screen. After the user submits the job, the user interaction dialog box appears.

For example, if a user sends a job with more than 10 pages and submits the job in the job management window, they are informed that the job is large and asked if they want to print it in duplex.

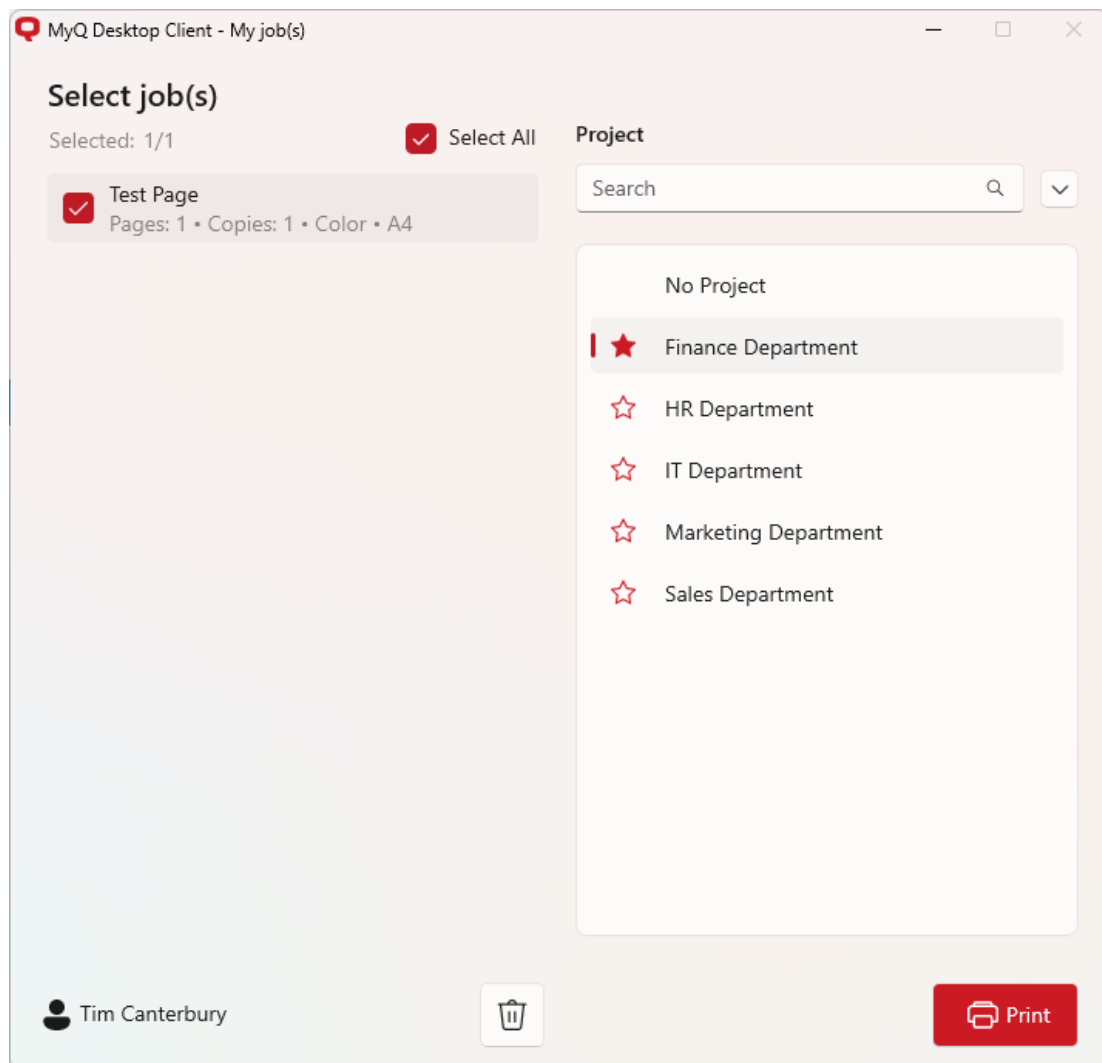


For more information on PHP job scripting, contact support.

4.3.2 Project Management

When project accounting is enabled on the MyQ server, the user who sends the print job needs to select a project (or the **No Project** option) to be allowed to print it. With MyQ Desktop Client, they can select the project directly on their computer.

After the print job is sent to MyQ, the application's pop-up window appears, where they can select the project to account the print job to.



On the job management window, the user needs to select a project (or the **No Project** option), and then click **Print**. After this, the project is assigned, and the job can be printed. The maximum number of items displayed at once is 15. Refreshing the list will deselect a selected item.

If only one project is available to the user, it is automatically assigned to the print job, and the job is sent to the server. The job management window is not displayed.

4.4 Client Printing Options

MyQ Desktop Client (MDC) is capable of monitoring all the print jobs printed over the host computer, and even receiving the print jobs and forwarding them directly to the desired printer.

It uses the same embedded job parser as the MyQ server, so it is able to provide the same level of accounting for locally printed jobs. It can also apply all the rules related to the print job policies, project accounting, and payment accounts.



The job parser supports the majority of available printer drivers in PCL5, PCL6 and PostScript. For more information, see Job Parser in the Print Server guide.

Print Job Security - The print job security feature allows you to set up a time (in seconds) to log the user out as soon as the client gets to the idle state. If the option to delete all the pending jobs once the client is idle is enabled, that's another step to protect your users and their print jobs.

Client Spooling - With the Client Spooling feature enabled, users' print jobs are not sent to the MyQ server but stay stored at the users' computer. For more information, see [Client Spooling](#).

Local Print Monitoring - MyQ Desktop Client is able to monitor the number of printed pages on devices connected locally via a parallel port or a USB port. For more information, see [Local Print Monitoring](#).

Secure Printing (IPPS) - With secure printing enabled, print jobs are sent from Desktop Client to the MyQ server over the secure IPPS protocol. This allows printing over MyQ to be end-to-end encrypted. This is vital in environments where confidential data are often printed.

Offline Operation (LPM and Fallback Printing) - The administrator can set up how the MyQ Desktop Client should behave if the connection to the MyQ server is interrupted:

- Automatically printing all the local jobs despite restrictions,
- Rejecting the jobs if the user had any restrictions before the server was disconnected,
- Strictly rejecting all the jobs.

When using Local print monitoring or Offline accounting in MDC, local printers are automatically created with @ at the beginning of their name.

- In case of Local Print Monitoring, it is the name of the port being monitored by MDC.
- In case of offline accounting, it is the name of the PC.

The purpose of creating these local printers is that the print job can be accounted but since they were not printed on a printer that is monitored by MyQ, a local printer is created.

For more information, see [Local Print Monitoring](#) and [Fallback Printing](#).

4.4.1 Client Spooling

With the Client Spooling feature enabled, users' print jobs are not sent to the MyQ server but stay stored at the users' computer. After they authenticate at a printing device and select the jobs to be printed, the jobs are released from the computer directly to the device. This method dramatically decreases traffic to the MyQ server

and is suitable especially for small offices with limited network connection to the MyQ server.

When a user prints their job while this feature is activated, only the print metadata are sent to the server and the actual print job does not leave the computer (in fact, it is stored there as a RAW file). It waits until the user is authenticated at a printing device and selects to print the job there. Then, the printing device notifies the server, the server notifies the computer, and the computer sends the job to the printing device where it is printed. Release options set on the embedded terminal, print policies, and watermarks are supported when using this method.

There is a dependency on queue types:

- A job from a Direct queue is printed immediately.
- A job from a Pull-Print and/or Delegated queue waits until the user has selected it.
- A job from a queue marked as private is deleted immediately after printing.

Be aware that when Desktop Client receives a job, only the metadata for this job are sent to MyQ. The data file of the job is stored in Desktop Client on the machine.



The protocol used for Client Spooling is decided by the Protocol setting in the corresponding MyQ Queue. Supported protocols are RAW, LPR, IPP, and IPPS.

For further information, see **Client Spooling** in the MyQ Print Server guide.



Limitations

- Job processing:
 - The queue's user detection methods currently supported are "Job sender" and "MyQ Desktop Client". Detection from the job's PJL headers is not supported.
 - Job processing defined on the queue cannot be applied.
 - Prologues/epilogues are not applied to jobs. The print jobs are printed as configured in the print driver.
- If the client computer is offline, the job is not printed, but it is marked as printed on the server. User is not notified.
- Jobs cannot be marked as favorite.
- The jobs are deleted after 7 days. The Delete jobs older than option on the System maintenance settings tab should be set to 168 hours (as it is by default) in order to prevent discrepancy between the data stored in MyQ and the data stored on the client computer.
- Client Spooling is not available on Kyocera Embedded Lite devices.

4.4.2 Local Print Monitoring

MyQ Desktop Client is able to monitor the number of printed pages on devices connected locally via a parallel port or a USB port. In such cases, the number of printed pages is extracted from the print spooler as it is being processed by the print driver.

- If the job is rejected due to breaking the policies or insufficient balance, the reason for rejection is reported to server.
- If Credit or Quota (cost) is used, then a Price List needs to be assigned to the 'No Terminal' configuration profile.

Limitations

- LPM is supported on LPT, USB, TCP/IP and IPP ports. Monitoring of other ports may work, but it is not guaranteed.
- LPM does not work properly with a printer that has the **Keep printed document** option enabled in the Advanced printer properties.
- LPM does not work properly with a printer that has the **Enable advanced printing features** option enabled in the Advanced printer properties. This option is automatically switched off (if possible) for all monitored printers when LPM starts.

For more information, see (10.2) Monitoring Local Printers in the MyQ Print Server guide.

4.4.3 Fallback Printing

With MyQ Desktop Client installed and running on the end user's workstation, you can set a backup printing device to be used for printing when the connection to the MyQ Server is lost. The Fallback printing feature serves as an important backup tool in case of a server outage. After the connection to the server is re-established, the job is automatically accounted.

Fallback printing means that when a job cannot be spooled to MyQ, the job is spooled to a specified network printer.



The compatibility of fallback printing is vendor and device dependent. Some devices may reject print jobs from outside their accounting server or the application operating the device. In some cases, devices may have the option to accept unauthorized jobs or jobs from unknown sources. Make sure this option is enabled on devices you plan to use as fallback. Always test your setup before you roll out fallback printing into production. Ask your MyQ provider for details and support.

Enable Fallback Printing

Fallback printing can be enabled or disabled in any given Desktop Client Configuration Profile in the MyQ Web Interface.

1. In the web interface, navigate to **MyQ, Settings, MyQ Desktop Client** and select the configuration profile for which you want to enable fallback printing.
2. Open the **Printing** tab of the configuration profile and expand and enable **Fallback Printing**.
3. Specify the **Printers or group** which should be used for fallback, and set the **Release conditions**, you can choose to **Always release the job** or **Only if the user has enough credit/quota**.
4. Set up the **Device port** settings which should be used during fallback printing:
 - a. Protocol
 - b. Port
 - c. Queue

Printing Using Fallback

When a user attempts to print a file, but the server is offline, in cases where they're configuration profile allows fallback printing, there are two possible outcomes:

- If the user has only used one printer in the past, and fallback is enabled there, the job will print automatically on that printer, and the user receives a notification.
- If the user has used multiple devices and more than one is available for fallback printing, they will be prompted to choose the fallback printer they wish to use. A search filter can be used to identify certain types of printers (for example, large format, color, or B&W).

Fallback Printing Disabled

If you want to print and the server is offline but fallback printing is disabled, an error messages appears.

Kyocera-Specific Limitations

The following apply when fallback printing on a Kyocera device:

- Fallback printing to Device Spooling ports is recommended.
- Fallback printing to a port other than a Device Spooling port is supported, but may cause print jobs to be accounted twice.
- If **KX Driver Net Manager** is being used as an integration with Desktop Client, only Device Spooling ports are supported for fallback printing. Attempting to use other ports will cause authentication errors.

4.5 Public vs Private Mode

MyQ Desktop Client operates in two distinct modes: **Private** and **Public**. These modes are determined by the configuration profile specified by the administrator in the MyQ Web User Interface in settings. Public mode is suitable for environments such as shared workspaces or public access computers, where multiple users might access the same device. Private mode, conversely, is tailored for personal or dedicated workstations.

4.5.1 Private Mode

In private mode, Desktop Client offers a more lenient authentication and session management approach, acknowledging the trust level of a personal or assigned device.

It acknowledges the trust and security inherent in personal or assigned workstations, allowing for a more seamless and uninterrupted workflow. Users benefit from persistent authentication and the flexibility to manage print jobs over extended periods.

- **Persistent Authentication:** Users remain signed in until the expiry of their refresh token or they log themselves out.
- **Continuous Job Management:** Users can spool jobs before and after authentication, selecting the relevant account/project and confirming the print queue as needed.
- **Job Retention:** Spooled jobs are not automatically canceled on server side as there is no user-session timeout.

4.5.2 Public Mode

Public mode is designed with communal device security in mind, ensuring that print jobs and user sessions are managed to prevent unauthorized access.

It is an essential feature for environments where users access communal devices. It ensures that print jobs are securely managed and that sessions do not remain active beyond their necessary scope, thereby mitigating the risk of job misassignment or unauthorized access.

- **Authentication on Job Spooling:** Upon spooling a job, users are prompted for authentication. This ensures that each job is associated with an authenticated session.
- **Timeout for Authentication and Job Confirmation:** If a user does not complete authentication or job confirmation (including account/project selection) within 1 minute, the pending job is canceled and removed from the local storage of Desktop Client and the user gets logged out preventing abandoned jobs misuse.

- **Automatic Sign-out After Printing:** Post-authentication, users can complete their print jobs. The system then automatically signs them out, securing the session once the intended action is completed.

4.6 Printer Provisioning

Installing printers and print drivers manually can be tedious, especially if you are setting up print for a whole department or an entire company. You need to not only prepare the **correct drivers for devices** you have in your environment but then install Windows or macOS printers on each computer, install these print drivers, and test if everything works as intended.

Printer provisioning allows you to always deliver the right printers to your users. Together with features such as Printer Discovery and Desktop Client configuration profiles, the entire process can be largely automated:

1. Install and Update Printers in Domain Environments.
2. Install and Update Printers for BYOD Devices.
3. Provision printers to Windows and macOS client computers.
4. Update Available Printers as needed.

4.6.1 Set up Printer Provisioning

1 Deploy Desktop Client

To start with printer provisioning, you must start using the Desktop Client in your organization.

Desktop Client is used for creating print driver configuration profiles as well as for installing drivers on target machines.

2 Capture and upload drivers

You install print drivers and assign them to printers, simply configure printers the way you would manually.

With Desktop Client, you then create print driver configuration profiles and upload your drivers.

3 Assign and deploy

Once your print drivers are stored in the MyQ driver store, you can attach these driver profiles to selected queues.

The rest will happen automatically. Users running Desktop Client will be provisioning the correct printers.

4.6.2 Prepare and Capture Template Printers

Install Print Drivers


The first step for this deployment is to collect the print drivers you will want to install and create printers as if you were doing it on a user's machine. Source these drivers from the manufacturers' download pages.

Recommendations for print drivers:

- Use official manufacturer's drivers.
- Preferably, use device-specific or universal drivers in a traditional mode configured on a physical device. Universal drivers in dynamic mode might display prompts to the user to search devices on the network. Also, some drivers, e.g. HP Universal Print Driver may not allow for print in color when not configured on a specific model.
- In a mixed fleet environment, try selecting drivers published for your target devices to achieve the best compatibility. You might be able to print successfully to a device even through a driver of a different manufacturer thanks to MyQ's cross-vendor printing support, but you will not get all the functionalities of the device.

Create Printers and Assign Print Drivers

1. Add your printers as normal:
 - a. **Windows:** Control Panel/Settings>Devices & Printers>Add manually.
2. Select the installed driver in the printer's settings:
 - a. **Windows:** Control Panel/Settings>Devices & Printers - Open a printer – Printer properties – Driver or in the Start menu – search and open “Print Management” – Print servers>Printers.
3. Assign a TCP/IP port to the printer:
 - a. **Windows:** Control Panel/Settings>Devices & Printers – open a printer – Printer properties – Port or in the Start menu, search and open “Print Management” – Print servers>Printers.

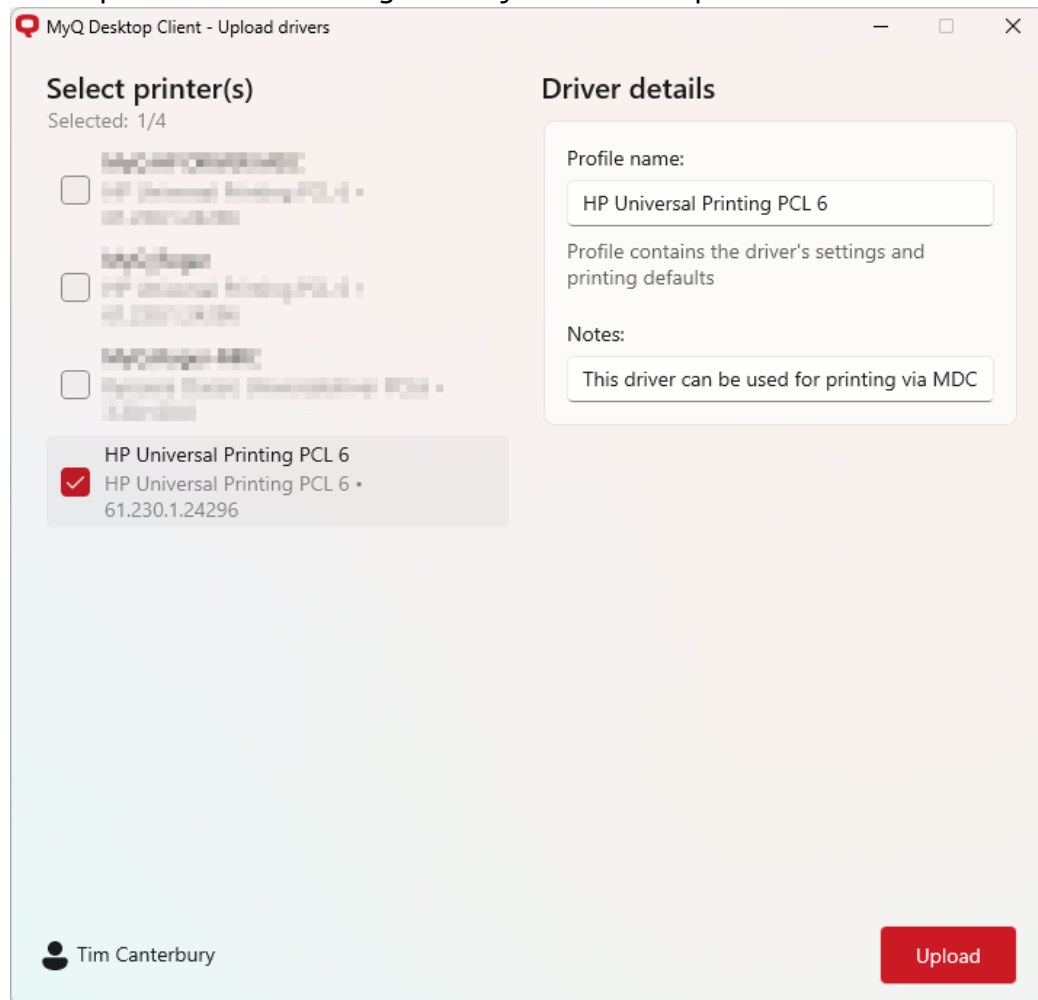
 The queue name in the LPR port can be used to automatically attach the print driver configuration profile to a queue. If a queue with the same name already exists in MyQ, the profile is automatically assigned to it. This way you can instantly deploy or update the driver without further configuration.

4. Configure the desired driver's capabilities and settings such as finishing options:

- a. **Windows:** Printer Properties>General>Preferences or Printer Properties>Advanced>Printing Defaults.
5. Test your configuration.


4.6.3 Capture Driver and Settings

1. Run the Desktop Client on the template computer.
2. Sign in to the Desktop Client as a user with **Administrator** or **Manage settings** rights.
3. Right-click on the Desktop Client icon and then select **Admin Options>Capture drivers**.
A dialogue opens with a list of printers.
4. Select printers that are using drivers you want to capture.



5. Specify the name of the print driver configuration profile; if it does not exist in MyQ already, a new profile with this driver will be created. If you specify an

existing profile, the driver will be added to it. Read about the print driver configuration profiles below.

 By clicking the printer once, you select it for capture and open the Driver details for this printer. By clicking it again, you deselect this printer. If you select another printer (and select it), clicking another printer once opens its details, click again to deselect it.

6. Once you select all required printers and specify the profiles they should be uploaded in, click **Upload**. Drivers will be compressed into ZIP files and uploaded to the MyQ Print Server.

For more information about provisioning and managing driver profiles, see [Printer Provisioning in the Deployment guide](#), and [Print Drivers Settings in the Print Server Guide](#).

5 Uninstallation

The application can be uninstalled via the setup wizard, via silent uninstallation on the Windows command line or via the *Uninstall MyQ Desktop Client 10.2.exe*.

The uninstallation process removes the following:

- Client spooling jobs on the print server.
- Printers deployed by Printing Provisioning.
 - Only printers are removed, the installed drivers such as the KX driver or HP Driver are **not** removed.
- C:\ProgramData\MyQ\Desktop Client
- C:\Program Files\MyQ\Desktop Client
- C:\Users\%User%\AppData\Local\MyQ

5.1 Uninstallation via the Setup Wizard

To uninstall the application via the setup wizard:

1. In Windows Settings, click **Apps**. The Apps and features menu opens.
2. On the menu, select the Desktop Client app and click **Uninstall**. When asked, confirm the uninstallation. The Desktop Client setup dialog box opens.
3. In the dialog box, select the **Remove** option.
4. Click **Remove** to confirm the uninstallation, then click **Finish** to leave the setup wizard. Desktop Client is removed from the computer.

5.2 Silent uninstallation

To silently uninstall the application, open the Windows command line, and:

1. Find the **IdentifyingNumber** of the Desktop Client application via the following command:


```
wmic product where "Name like '%Desktop%'" get Name, Version, IdentifyingNumber
```
2. Uninstall the application via the following command:


```
msiexec.exe /x *{IdNumber}*
```

where ***{IdNumber}*** is the **Identifying Number** of the application.

6 Business Contacts

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