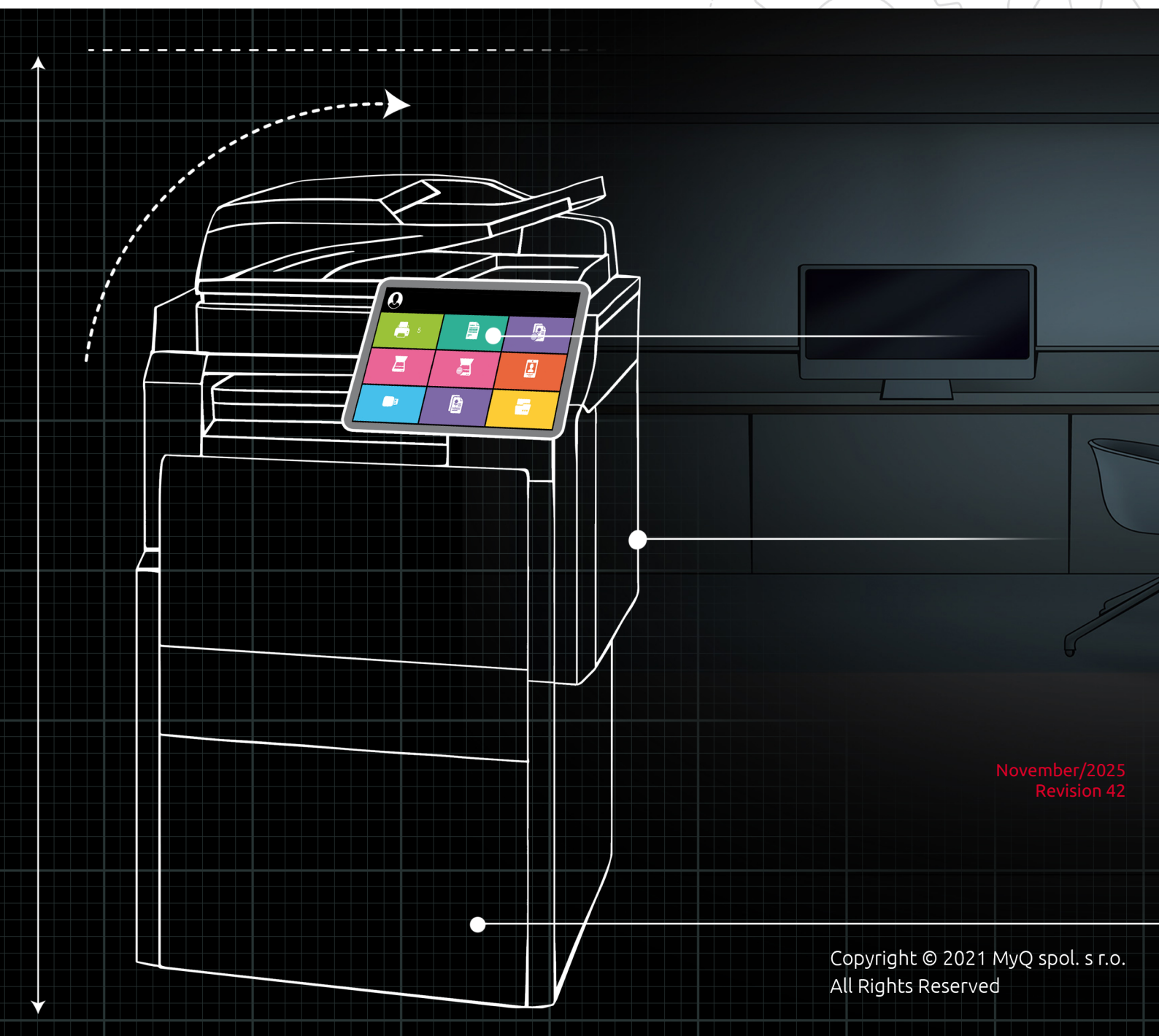




MyQ Desktop Client 10.2 for macOS



November/2025
Revision 42

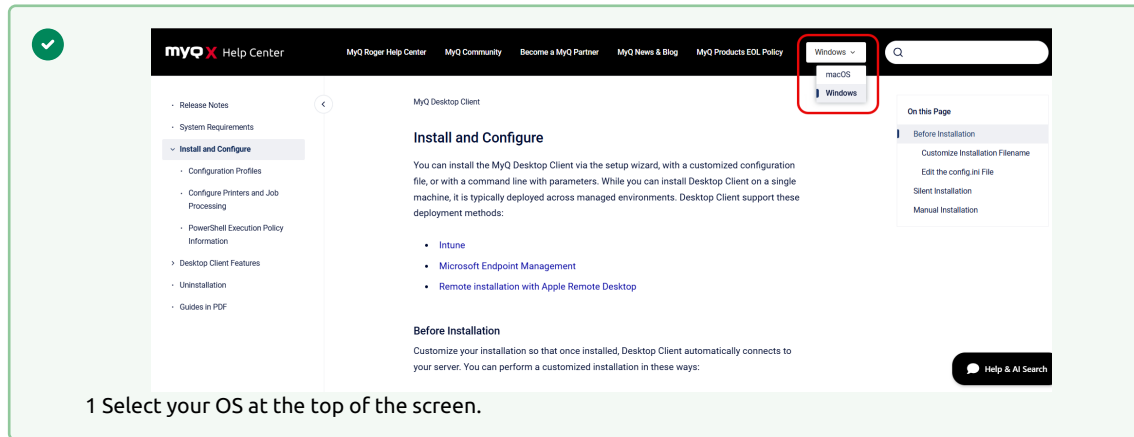
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1 MyQ Desktop Client 10.2 for macOS

Do you need documentation for a different system?



Work happens everywhere - across offices, homes, and on the move. The MyQ 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.

2 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)	✓
Modification of Print Options on the Device	✓
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 ²	✓
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 Only when using Desktop Client for Windows

3 System Requirements

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

3.1 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.

3.2 Client Requirements

- **OS**
Apple macOS 13 (Ventura) and later.
- **Memory**
2GB minimal requirement, client consumes 256 MB dependent on the print job load.
- **Hard Disk**
250 MB for installation, with additional requirements in cases where jobs are spooled.

3.2.1 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, export a CA certificate on the MyQ Server.

Export 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, ensure that the value in **This server hostname** matches the hostname of the computer running MyQ.
3. In the Certificates section, click **Export CA Certificate**.
4. Save the exported certificate to the client computer where Desktop Client will be installed.



If you're using an IP address or a hostname alias to access the server, make sure those values are included in the **Server Alternative Names** field under the **Certificates** section.

Install the Certificate on macOS

1. Go to **KeyChain Access**, locate the certificate .crt file and drag it to the **System** keychain.
2. If prompted, type the administrator name and password.
3. Under **Trust**, in **When using this certificate** select **Always Trust**.
4. Close the window and enter the password again.

You are now ready to move on to the Desktop Client installation, described in [Install and Configure](#).

3.3 Troubleshooting

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

`~/Library/Application Support/MySQL/Desktop Client/logs`

`/Library/Application Support/MySQL/Desktop Client/logs`

4 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:

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

4.1 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 `preference.plist` file, then run the installer.
- Install Desktop Client manually and connect to the server later.

4.1.1 Customize the Installer 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).pkg



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

4.1.2 Edit the preference.plist File

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



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

4.2 Manual Installation

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

In this scenario, preferences are handled by configuration profiles defined on the server.

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](#).

4.3 Remote Installation with Apple Remote Desktop

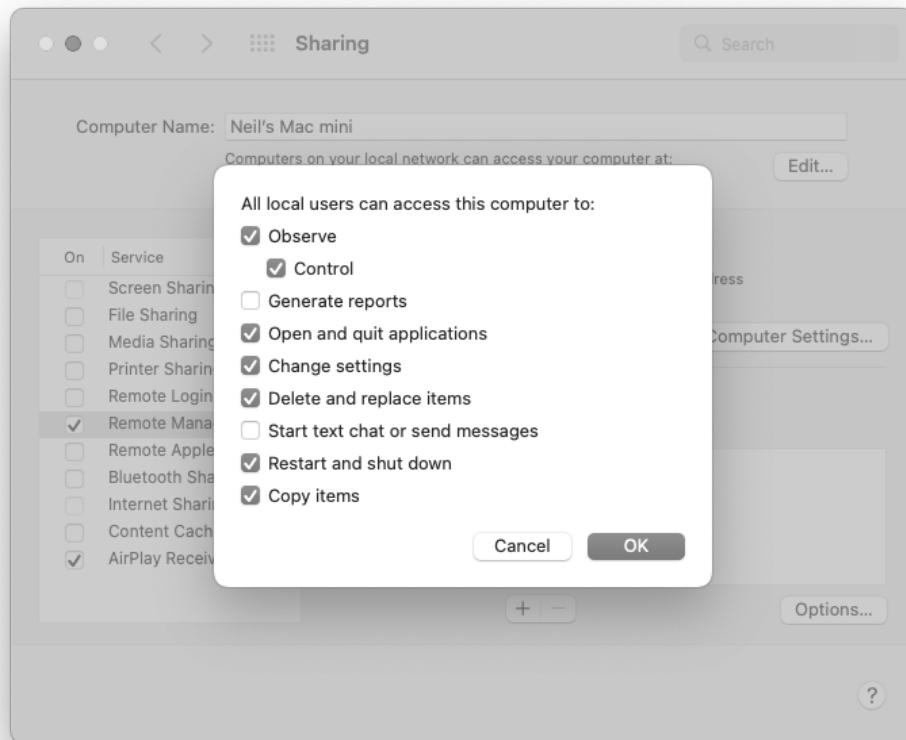
It is highly recommended to go through the manual installation in one workstation before deploying the app to multiple workstations. This way, the administrator can make sure that the installation and configuration is successful. Another advantage is that the administrator can copy the settings file of this manual installation and deploy it to the other workstations before remotely installing Desktop Client. The settings then are applied to all the workstations, without the need to set them up individually after the installation.

The followings options must be enabled in the macOS workstations to allow the remote installation from the [Apple Remote Desktop](#) tool:

1. In OS X, open **System Preferences** and click **Sharing**.
2. In the Service list, select **Remote Management** and then click **Options**.
3. Select the following options:
 - Observe
 - Control

- Open and quit applications
- Change settings
- Delete and replace items
- Restart and shut down
- Copy items.

4. Click **OK**.



4.3.1 Deploying the Settings File

If you have manually installed and setup Desktop Client, you can copy the settings file (available in `/Users/<MacOSUserName>/Library/Preferences/cz.myq.Desktop Client.plist`) to the **System Preferences Folder**, and those settings will be applied to **all the users in the Mac workstations**.

1. On the administrator Mac, open Finder and click **Applications > Remote Desktop** to display the main window of Apple Remote Desktop (ARD).
2. Click **All Computers** in the left section of the ARD main window. The macOS computers connected to your network are displayed in the right pane of the window.

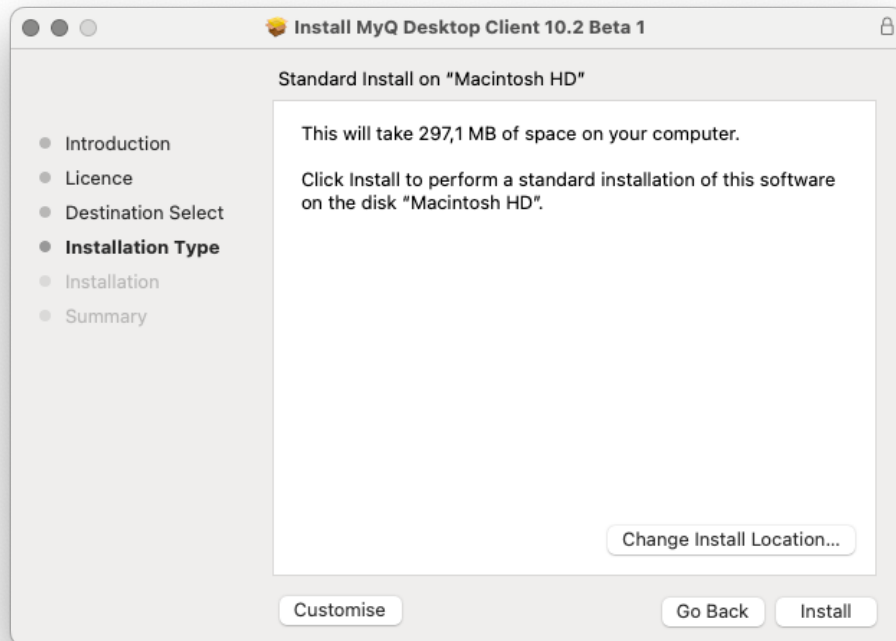
3. Select the desired destination computers and click **Copy** in the ARD toolbar (or select **Manage > Copy Items** menu). The **Copy Items** window opens.
4. Click **Copy** to copy the items to selected computers. The progress is displayed in the main window. The result of the copy to each computer is displayed in the **Status** column.
5. The settings file is copied in: **/Library/Preferences** .

If the settings file is not copied, after the package installation finishes the user can customize Desktop Client manually. The settings file will be created under the user's home folder: **/Library/Preferences** . See [Configure Printers and Job Processing](#) for more information.

4.3.2 Deploying the Package

To deploy the package to multiple macOS workstations:

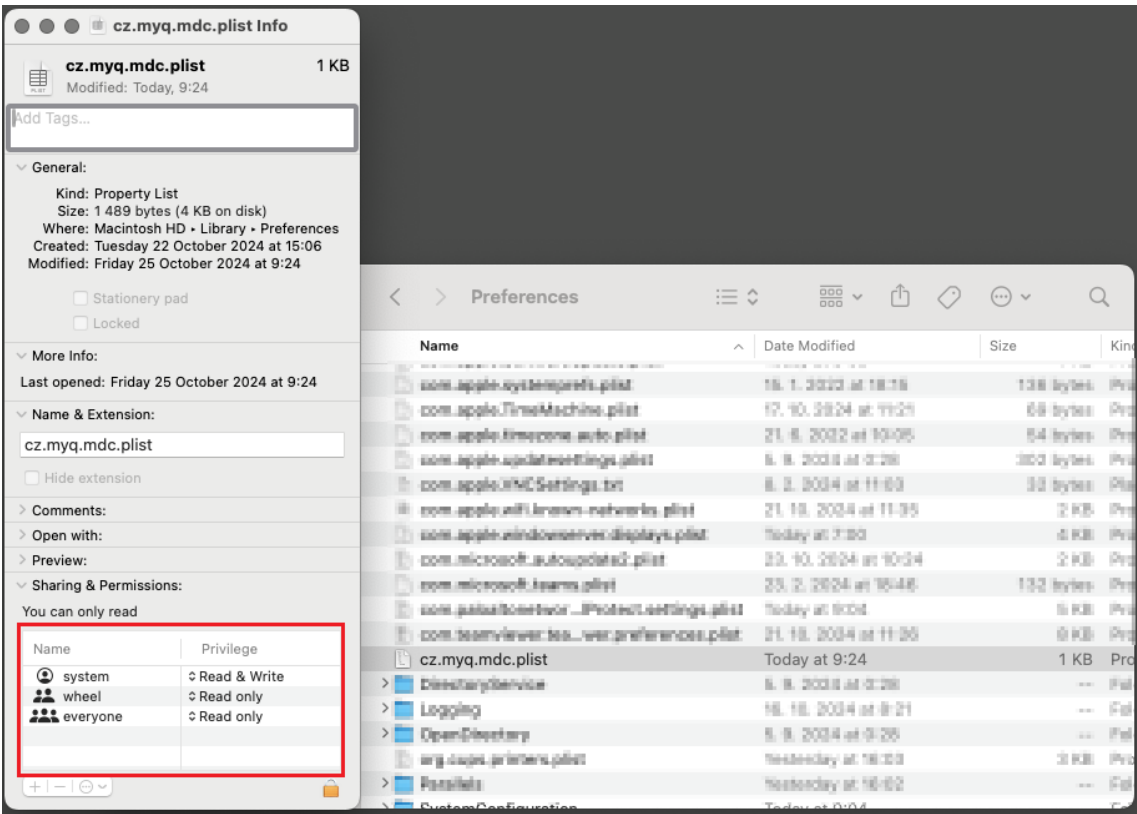
1. On the administrator computer, open Finder and click **Applications>Remote Desktop** to display the main window of Apple Remote Desktop (ARD).
2. Click **All Computers** in the left section of the ARD main window. The macOS computers connected to your network are displayed in the right pane of the window.
3. Select the desired destination computers and click **Install** in the ARD toolbar (or select **Manage>Install Packages** menu). The **Install Packages** window opens.
4. Add the **MyQ Desktop Client.pkg** file (available for download in the MyQ Community portal) to the **Packages** list either by drag-and-drop or by locating the package using the plus (+) button.
5. Click **Install** to distribute the package to the selected computers. The installation progress is displayed in the main window. The result of the package distribution to each computer is displayed in the **Status** column.



4.4 Installation by Admin for Normal User on the same Device

After installation of the Desktop Client, set up the connection to the MyQ server and save it with the admin user. Then navigate to **\Library\Preferences** and find **cz.myq.Desktop Client.plist**.

Modify the permissions on the file - either add the other, non-admin MAC user(s) with Read & Write permissions or change rights of **everyone** from **No access** to **Read & Write**. After this, when logging in as the non-admin user, they will be connected to the MyQ server and after authentication, they can use Desktop Client.



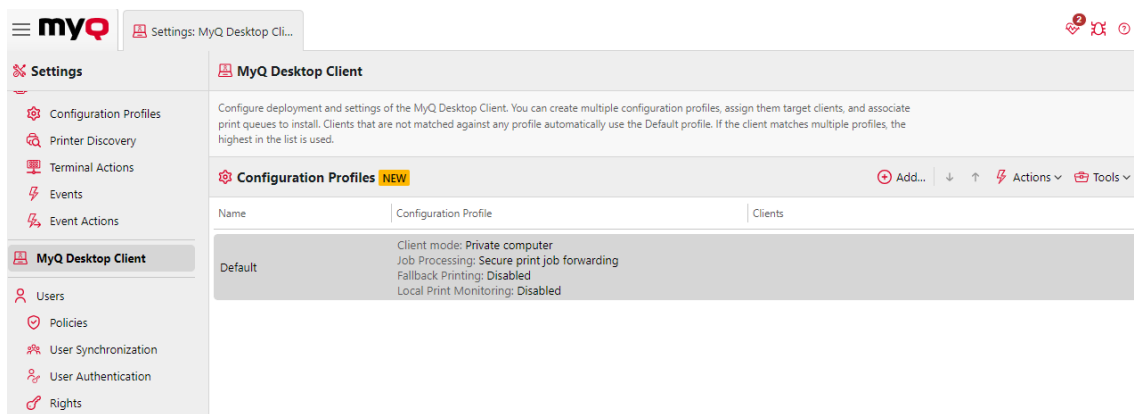
2 Adding Read & Write permissions for non-admin users

4.5 Configuration Profiles

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

 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.



4.5.1 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.

Login experience: * ☒ Embedded Browser

☐ Default System Browser

▼ 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.

For more information, see [Public vs Private Mode](#).

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)
6. In the **Authentication** section, chose which browser to use for client authentication:
 - **Embedded Browser**
Use the built-in browser of the Desktop Client application.
 - **Default System Browser**
Use the default browser of the client OS.
Important: When using Default System Browser on clients in public mode, the administrator must ensure that browser data and cookies are cleared after each user session to prevent unauthorized access.
7. 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

8. 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.
- 9. Choose if you want to **Append domain name to username**, if enabled the username will be set as username@domain on the job.
- 10. 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.
- 11. 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.**
- 12. Click **Save**, your configuration profile is created and automatically applied to the Desktop Clients of the specified clients.

4.5.2 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.

4.6 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

4.6.1 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.

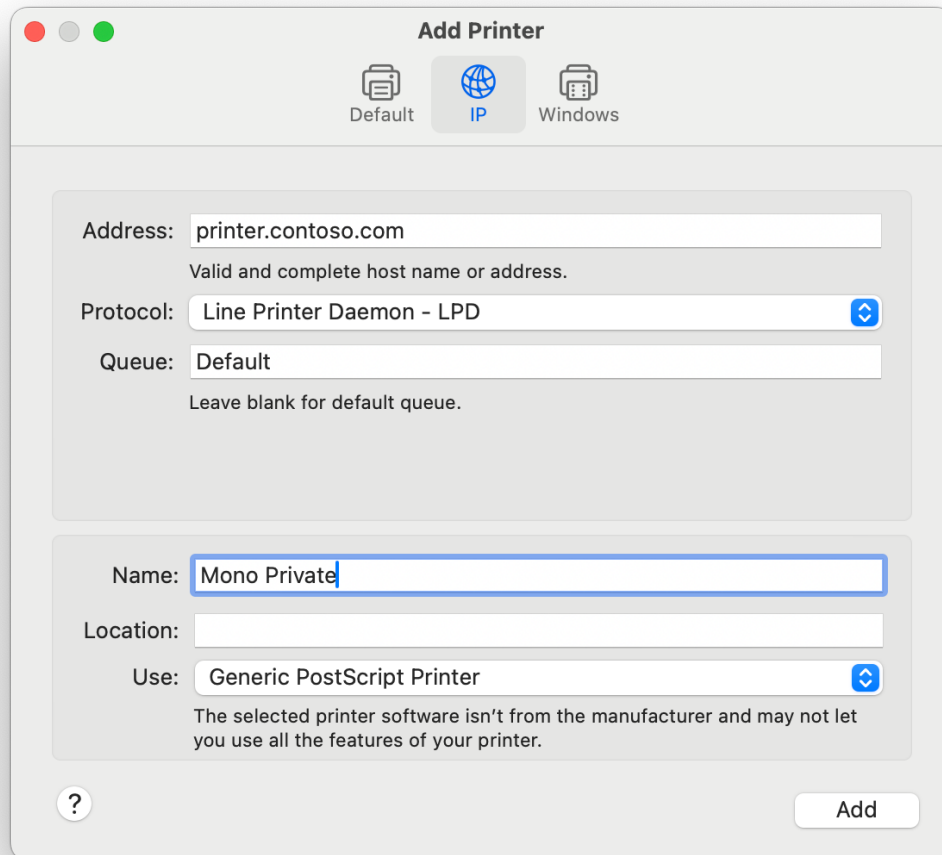
Setup in MyQ Web User Interface

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. This can be automated this with [Printer Provisioning](#), or drivers and printers can be installed manually. The recommended configuration is the following:

- **Address:** **localhost** or **127.0.0.1** (this is the address that Desktop Client listens to on port 515)
- **Protocol:** Line Printer Daemon - LPD
- **Queue Name:** should be the MyQ queue.
- **Use:** **Generic PS Printer** (recommended, or the best drivers for your fleet.



4.6.2 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**.

4.6.3 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**.

5 Desktop Client Features

The MyQ Desktop Client equips users and administrators with comprehensive tools to streamline and secure print management across all client devices.

- **User Identification**
Identify and authenticate users securely, with multiple authentication methods, including MyQ sign-in, and SSO (Entra ID and IWA).
- **User Account Information**
Enable authenticated users to view their account information, and their credit and quota status.
- **Job Management**
Empower users with print job management, enabling them to select the credit, quota, or cost center to use, and assign jobs to billing projects.
- **Client Printing Options**
Enable secure, flexible printing with features like client spooling (local job storage), secure print forwarding (TLS encryption), print job security (auto-logout and pending job deletion), local print monitoring, and offline operation for uninterrupted printing even if the server connection is lost.
- **Public and Private Mode**
Use private mode for personal workstations, with persistent authentication and uninterrupted print job management. Use private mode for shared devices, with strict authentication, session timeouts, and automatic sign-out to enhance security and prevent unauthorized access.
- **Print Driver Capture and Printer Provisioning**
Capture print drivers to a centralized store from where you can manage the deployment of drivers across your client pool. Provision print queues to users efficiently with minimal manual configuration.

5.1 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` .

5.1.1 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.

5.1.2 Seamless SSO with Entra ID

With seamless SSO using Entra ID and a domain-joined computer, the user is identified and authenticated using their operating system user account. The user is logged in to Desktop Client silently.

5.1.3 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. For information about the differences, see [Public vs Private 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.

5.2 User Account Information

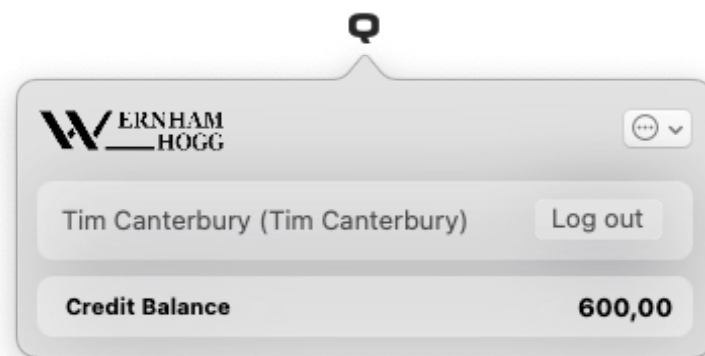
Once the user signs in, they can click MyQ Desktop Client icon on the system tray to open it. In this window, they can see their username and full name. If personalization settings on the server have been edited, they may also see their company logo and a link specified by their administrator.



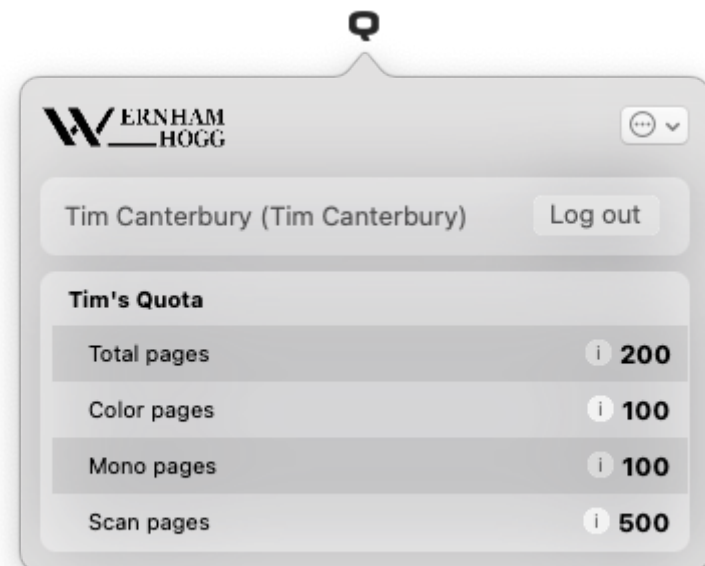
If a user's rights are edited in the Web UI while they are logged into Desktop Client, these changes are not reflected in the Desktop Client even after a restart. The user must log out and log back in to the Desktop Client for rights changes to take effect. For more information, see (10.2) Rights in the Print Server guide.

5.2.1 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.



5.2.2 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.

5.2.3 About

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

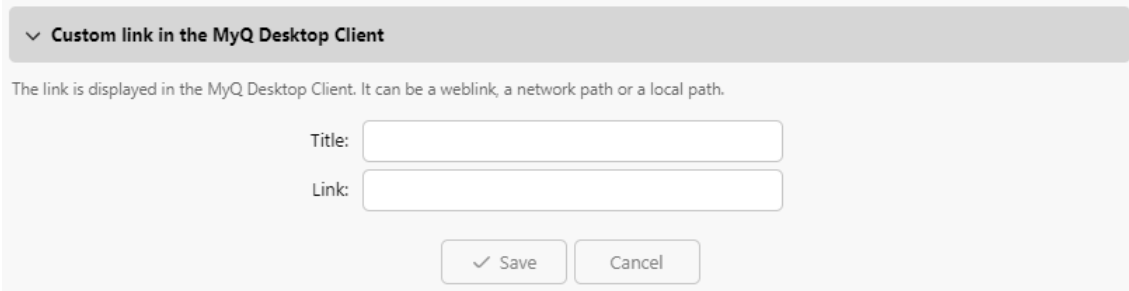
- The current **Client Version**.

- 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.

5.2.4 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

5.3 Job Management

MyQ Desktop Client enables the user to 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](#).

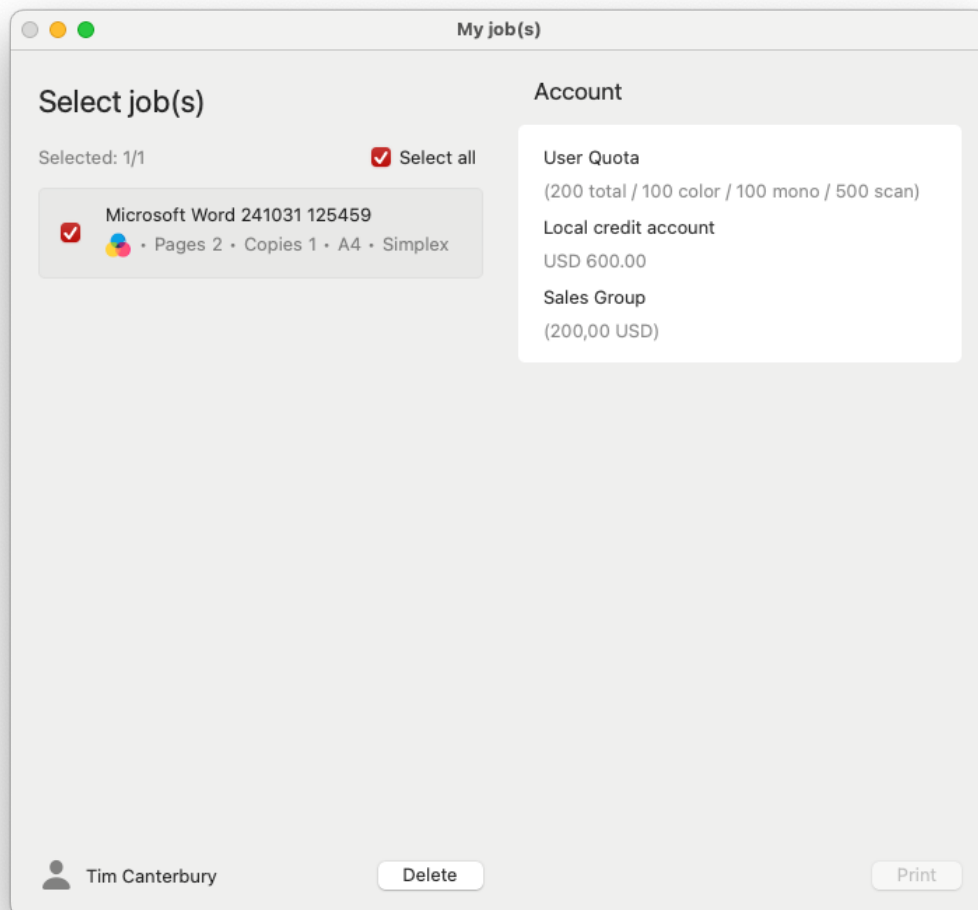
If the user has credit, quota, and projects disabled, the job management window is not displayed, and the print job is directly sent to the server.

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.

5.3.1 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.

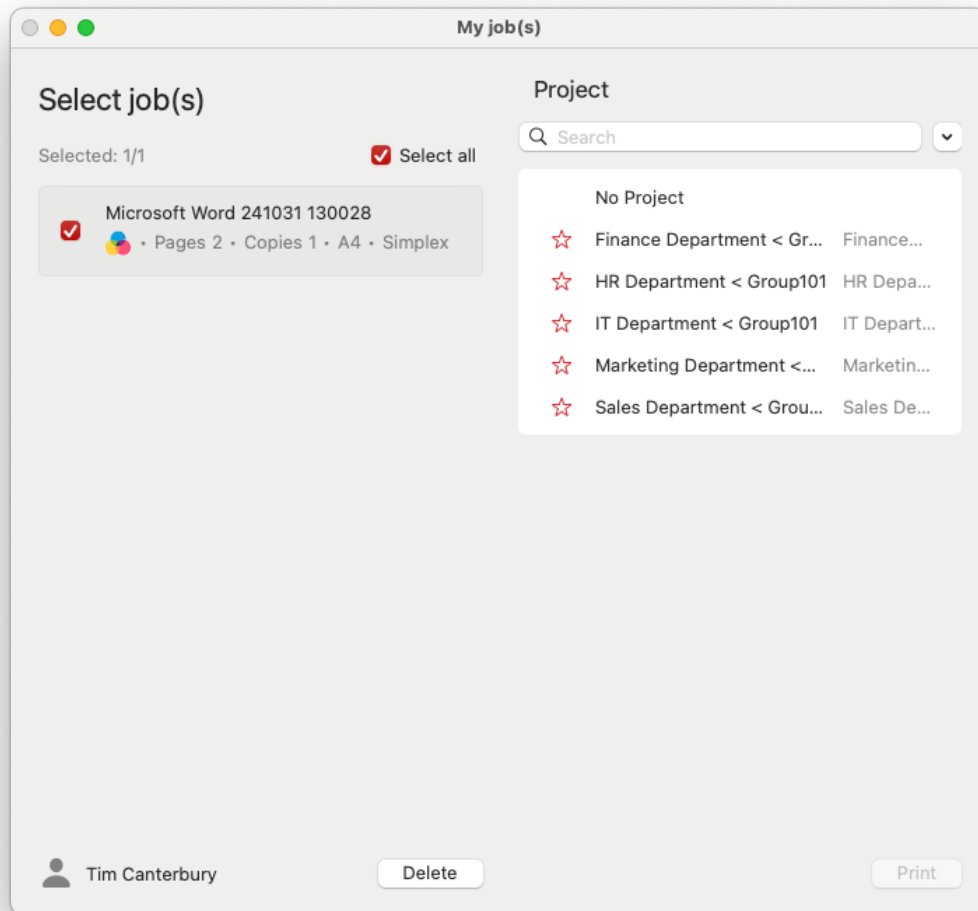
For example, if a user sends a job with more than 10 pages and submits the job in the job management window, they are informed that the job is large and asked if they want to print it in duplex.

 For more information on PHP job scripting, contact support.

5.3.2 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.

5.4 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](#).

5.4.1 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.

You can find the jobs folder location in **/Library/Application Support/MyQ/Desktop Client/jobs**. Check [Job Processing Preferences](#) for information on how to enable the feature in MyQ Desktop Client.

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 (v1) Client Spooling in the Deployment 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.

5.4.2 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.

 LPM requires that the CUPS web interface be enabled and running on Mac workstations.

Limitations

- LPM is supported on LPT, USB, TCP/IP and IPP ports. Monitoring of other ports may work, but it is not guaranteed.

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

5.4.3 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 message 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.

5.5 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.

5.5.1 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.

5.5.2 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.

5.6 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.

5.6.1 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.

5.6.2 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 to the system. Do this in **System Settings**, then click **Printers & Scanners** –  option or via CUPS configuration which you can access at <http://127.0.0.1:631/> (must be enabled first by running the `cupsctl WebInterface=yes` command in Terminal).
2. Select the installed driver in the printer's settings.
3. Assign a TCP/IP port to the printer.

 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 defaults such as finishing options; you can do so during the printer creation in System Settings, or via CUPS configuration – see more information below.

5. Test your configuration.

Configure Printing Defaults

On macOS, print driver presets allow users to save and quickly apply specific print settings, such as specific paper sizes, duplex printing, or color adjustments.

On top of the defaults, during the Capture Driver process, you can select saved presets (both Print Job Presets and Custom), which become part of the driver configuration. Once the printer using this profile is installed on the target computer, the user will see these presets and can use them to adjust how the document will be printed.

Set Printing Defaults and Capabilities

Configure the printer defaults in **CUPS Web Interface** at <http://127.0.0.1:631/> (must be enabled first by running the `cupsctl WebInterface=yes` command in Terminal).

1. On the CUPS Web, go to **Printers**, select a printer, and open **Administrator – Set Default Options**. Based on these defaults and printer capabilities, the compatible and allowed print options will be displayed both in the system Print dialogue and the print driver's native printing application when setting up the driver for capture.
2. On top of the options you see in the macOS's Print dialogue, check the printing application accompanying the driver.

 For example, Kyocera offers the Kyocera Print Panel application, HP has HP Utility, and other vendors will have their own interface for selecting the printing options. These defaults will also be captured when uploading the printing defaults onto the MyQ server.

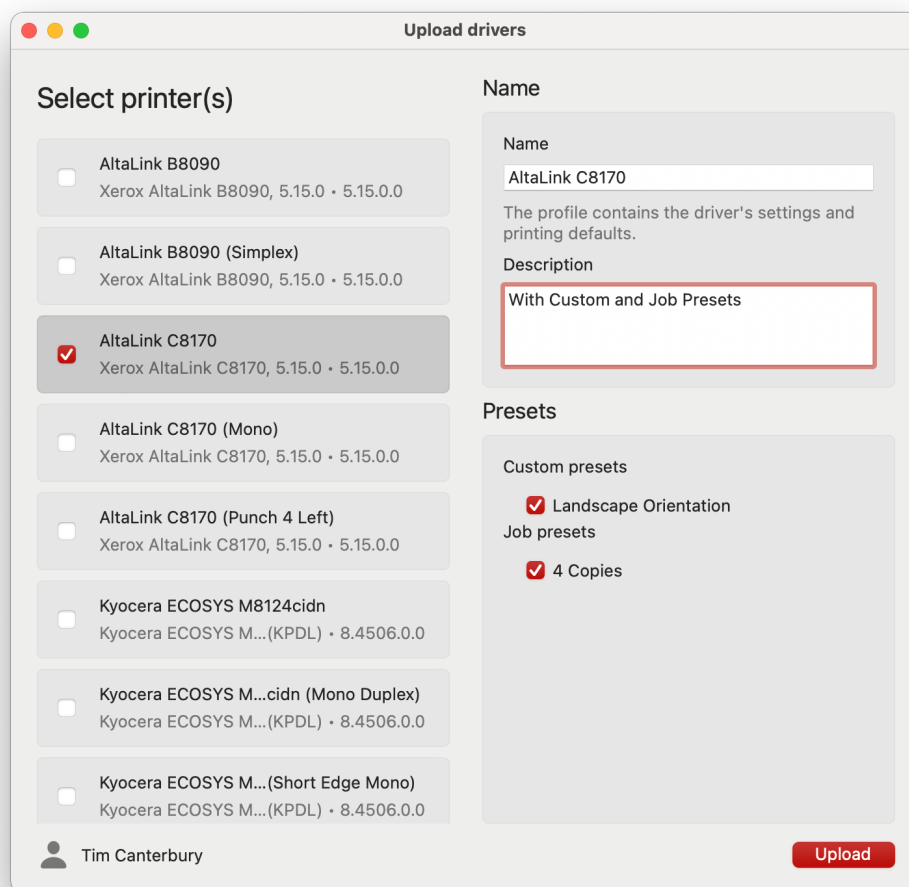
Create Presets

On top of the printing defaults, you can also create presets that will be available to the user for this printer. These are predefined profiles that can be identified with a name. If you prepare these presets, and capture the printer, these presets will also be available to the user where the driver was installed.

 It is important to test the capture with your preferred driver before deployment to users. In most cases, the options shown in the system print dialogue are captured together with the drivers, however, the features are a combination of the driver settings (some drivers may have a separate application where printing defaults can be configured) as well as the default of the selected printer.

5.6.3 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 to open a context menu and select **Capture drivers**.
A dialogue is opened with a list of printers.
4. Select printers that are using drivers you want to capture.



i 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.

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 in the Print Drivers Settings guide.

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.

6 Uninstallation

The application can be uninstalled by running the file `/Applications/MyQ Desktop Client.app/Contents/Resources/uninstall.command`.

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.
- /Applications/MyQ Desktop Client.app
- /Library/Application Support/MyQ
- /Library/Preferences/cz.myq.mdc.plist
- /Library/LaunchDaemons/cz.myq.mdc.plist
- /Library/LaunchAgent/cz.myq.mdc.plist
- /Users/{User}/Library/Application Support/MyQ

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