

# Monotype App - Remote deployment guide and proxy settings

## Table of Contents

<b>System requirements</b> .....	<b>1</b>
<b>Mac</b> .....	<b>1</b>
<b>Windows</b> .....	<b>2</b>
<b>Unsupported scenarios</b> .....	<b>2</b>
<b>Technical notes</b> .....	<b>3</b>
<b>Windows system wide msi installer</b> .....	<b>3</b>
<b>Windows user level msi installer</b> .....	<b>3</b>
<b>Known issues</b> .....	<b>3</b>
<b>Mac</b> .....	<b>3</b>
<b>Win</b> .....	<b>3</b>
<b>local_config.json</b> .....	<b>4</b>
<b>HTTP proxy</b> .....	<b>5</b>
<b>HTTPS Proxy</b> .....	<b>5</b>
<b>local_service_config.json</b> .....	<b>5</b>
<b>Auto update enabled</b> .....	<b>5</b>
<b>Auto update disabled</b> .....	<b>6</b>

## System requirements

### Disk space

- 4 GB or more of free disk space for successful installation
- 2 GB of disk space for the application to operate
  - Additional space is required based on the fonts synced by the users

### Files included in the offering

### Installers

### Mac

- A pkg file
- The pkg will be installed "per system" and therefore will require admin rights
- As a cleanup step, the pkg deletes a transient env variable `MAS_IS_SILENT_INSTALL`
  - For troubleshooting, admin can verify that this env variable is not present before a subsequent installation/reinstallation
- The pkg will install itself and then install the Monotype Application
- Upon redeployment of the pkg, it will uninstall the existing Monotype Application version. During reinstallation the below will be observed
  - User data is removed which includes his/her fonts, configuration, preferences, etc.
  - This data is removed only for the user where the redeployment is done
  - 
  -

For other local users on the machine, the data remains

This will lead to a small "Restart" screen when the app is launched by users who have the stale data  
Upon the restart the application will come up fine

## Windows

### Pre-requisites

Microsoft Visual C++ 2015-2012 Redistributable (x86)

- Check for Microsoft Visual C++ 2015-2012 Redistributable (x86) installation status. if it is already installed in the machine then you can ignore steps b to d.

Organize ▾				
Publisher	Name	Installed On	Size	Version
Microsoft Corporation	Microsoft Visual Studio Code (User)	16-06-2022	308 MB	1.68.1
Monotype Imaging Inc.	Monotype desktop app	16-06-2022	0.98 GB	6.0.2
Microsoft Corporation	Microsoft Visual C++ 2015-2012 Redistributable (x86)	15-06-2022	17.6 MB	14.32.31326.0
Microsoft Corporation	Microsoft Edge	15-06-2022		102.0.1245.41
Adobe Inc.	Adobe Illustrator 2021	15-06-2022	1.36 GB	25.4.6
Google LLC	Google Chrome	15-06-2022		102.0.5005.115
Sentinel Labs, Inc.	Sentinel Agent	14-06-2022	194 MB	21.6.1200

- Review and download the Microsoft Visual C++ 2015-2012 Redistributable (x86) installer exe from Latest supported Visual C++ Redistributable downloads
- You can directly download the Microsoft Visual C++ 2015-2012 Redistributable (x86) installer exe from [https://aka.ms/vs/17/release/vc\\_redist.x86.exe](https://aka.ms/vs/17/release/vc_redist.x86.exe)
- Install Microsoft Visual C++ 2015-2012 Redistributable (x86)

### Steps

- msi file
  - Accompanied by corresponding sample bat scripts
  - We have a "per system" msi installer
  - We have a "user level" msi installer
  - For remote deployment via tools like JAMF/SCCM we recommend to use the per system msi installer
- The msi installer installs itself and then installs the Monotype Application installer
- The msi cannot be passed commands e.g. to install for user level or all users etc.
  - The per system install of the app will be system wide
  - The user level msi will install on the user level only
  - This behavior can not be configured
- To remotely deploy a msi file, the previous msi should be uninstalled first (if present on the machine)
  - This applies both to system wide and user level msi installers
- The accompanying sample bat files can be used to understand the prerequisite to deploy the msi.
- For installing 5.2.3 the earlier version 5.1.0 should be uninstalled for which elevation is needed  
A sample "install\_batfile\_system.bat" or "install\_batfile\_user.bat" is provided to install the app 5.2.3 or newer for system and user level installer respectively.
  - This is for reference and based on the remote deployment tool used by the client a script can be authored or reuse the ones provided by us
- The bat files include important info around setting up a env variable which is needed by the installer
  - `setx.exe MAS_IS_SILENT_INSTALL "true" /M` for system level build and `setx.exe MAS_IS_SILENT_INSTALL "true"` for user level
  - This should be set as "false" post installation process completion
  - bat file example assumes that the msi is in `C:\Temp`

### Unsupported scenarios

- We do not support a single machine to have both user level and system wide installation

- Please note that on Windows platform the font registration and deregistration hence application `uninstallation` can be a bit long

## Windows system wide msi installer

- The app is installed at "`<system_drive>:\Program files x86\Monotype desktop app`"
- Auto updates are not supported for per system install
- To install msi system wide using remote deployment, IT admin should run the installer as "System" or "Admin" with UAC disabled if required
- If on a particular system MSI installer is run multiple times and with different user context (System/Admin/other user), then installation will fail with error that app is already installed on the system.
  - If this happens then IT admin will need to clean the previous MSI installation information from the system registry. To check the MSI in registry, product key is: `0FB46E7A-2897-44E3-8406-AD02B6B6BF23`

## Windows user level msi installer

- The app is installed at "`%localappdata%\Monotype desktop app`"
- Auto updates are supported for user level install
- To achieve this properly the msi must be run in the context of the user for which the package is to be installed
- Themsi must not be run with elevated privileges
- For uninstalling the version prior to 5.2.3 we need to provide elevation using corresponding setting in GPO, Deployment tool that support user level installer etc.
- GPO can be used to deploy 5.2.3 or newer on multiple user account on same machine

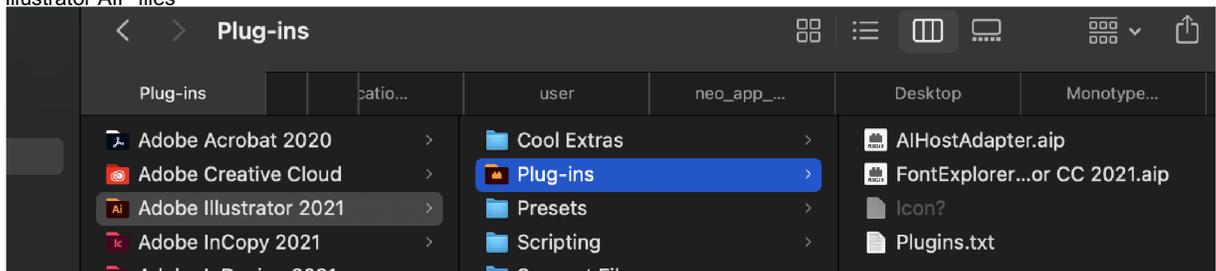
### Known issues

- During uninstallation its possible that a user can open the desktop app, this can cause uninstallation to not fully complete. If this happens the next installation will not properly function.
  - We will address this in next version by making it such that when app is installed again it cleans up previously leftover install files
- During installation and upon OS login the user may see a couple of terminal windows flash and disappear. This is known

### Plugin dependencies

## Mac

- The following files should be deployed separately for seamless user experience
  - Illustrator AIP files



- For each installed Illustrator version e.g., Adobe Illustrator 2020 / Adobe Illustrator 2021 etc. a file named `AIHostAdapter.aip` should be placed in the Plug-ins directory
- For versions 2017-2019 the following [file](#) should be used
  - The whole `AIHostAdapter.aip` file should be downloaded and used
- For version 2020 - beyond the following [file](#) should be used

## Win

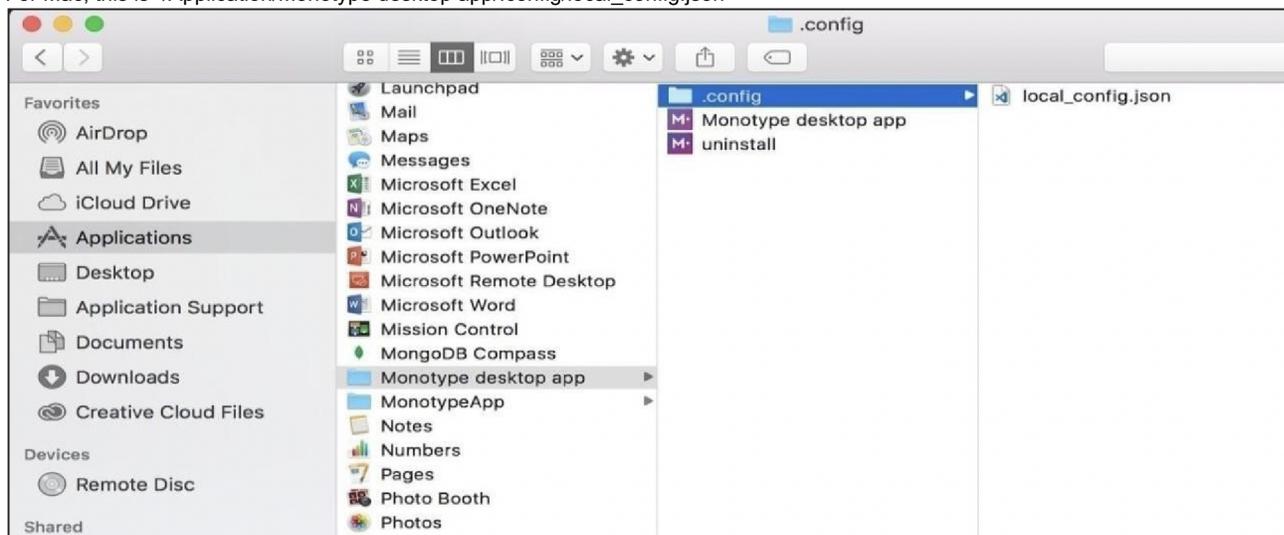
- The following files should be deployed separately for seamless user experience
  - Illustrator AIP files
    - For each installed Illustrator version e.g., Adobe Illustrator 2020 / Adobe Illustrator 2021 etc. a file named `AIHostAdapter.aip` should be placed in the Plug-ins directory
    - For versions 2019 or older with 64 bit version the following [file](#) should be used
    - For version 2020 - beyond the following [file](#) should be used

### Configurations (remotely deployable)

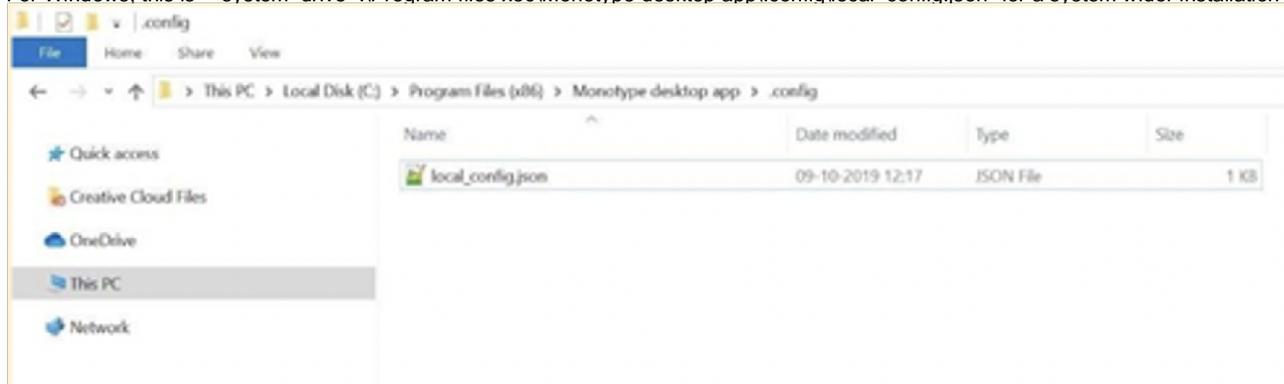
- Two config files are possible
  - <installation\_dir>/config/local\_config.json
  - <installation\_dir>/config/local\_service\_config.json

## local\_config.json

- Currently the following configuration options are supported
  - Reading proxy settings
- This must be a valid UTF-8 encoded JSON placed in a folder .config in the installation folder
- For Mac, this is "/Application/Monotype desktop app/.config/local\_config.json"



- For Windows, this is "<system drive>:\Program files x86\Monotype desktop app\config\local\_config.json" for a system wider installation



- The configuration is case sensitive
- The field "selectedType" is a mandatory field
- The "types" field can have one or more values
- Currently, the allowed values for the "types" field are "HTTP" and "PAC"
- With "type" field set as "HTTP", we can set both http and https proxy applied one at a time.
- All the fields provided in the config section e.g., HTTP, PAC are mandatory
- The fields should have correct format e.g., the IP should be valid IP4 IP, the URL should be proper URL with http/https prefix
- The proxy configuration deployed is detected and prefilled in the network settings section of the Monotype Application

Examples

### HTTP proxy

```
{
  "proxySettings": {
    "types": {
      "HTTP": {
        "hostName": "http://172.28.15.1",
        "port": "9778"
      },
      "PAC": {
        "url": "http://noi-squid-01.agfamontype.org/proxy_auth.pac"
      }
    },
    "selectedType": "PAC"
  }
}
```

### HTTPS Proxy

```
{
  "proxySettings": {
    "types": {
      "HTTP": {
        "hostName": "https://172.28.15.1",
        "port": "9778"
      },
      "PAC": {
        "url": "http://noi-squid-01.agfamontype.org/proxy_auth.pac"
      }
    },
    "selectedType": "PAC"
  }
}
```

### local\_service\_config.json

- The following configuration options are supported
  - Reading if the application should auto-update or not

#### Example

#### Auto update enabled

```
{
  "allowPkgupdate":true
}
```

## Auto update disabled

```
{  
    "allowPkgupdate":false  
}
```

## Network configuration guide

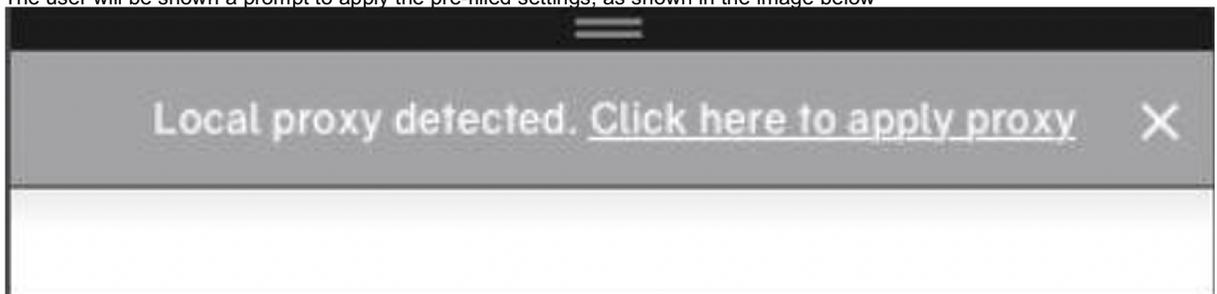
### URL Whitelisting

- Pubnub service - <https://skyfonts.pubnub.com>
- Monotype service - <https://enterprise.monotype.com>
- Monotype Sync service - <https://syncservice.monotype.com>
- Assets delivery service - <https://ads-assets.monotype.com>
- Image Rendering Service - <https://render06.fontshop.com>
- Error reporting services - <https://sentry.io>
- Authentication - <https://accounts.monotype.com>
- Application updates - <http://s3.amazonaws.com>

### Proxy support

#### Behaviour

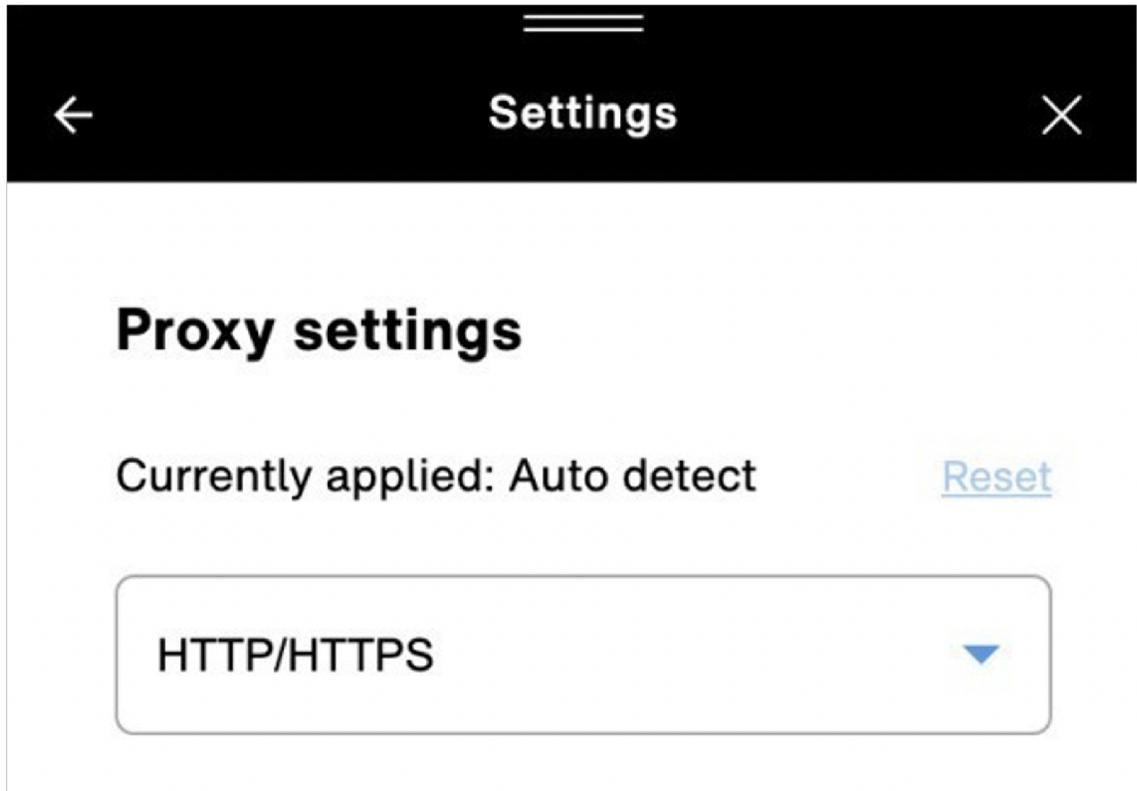
- When there is local proxy configuration values are provided by the admin via application config file
  - If the user have previously configured proxy on the application the prefilled values are discarded
  - The user will be shown a prompt to apply the pre-filled settings, as shown in the image below



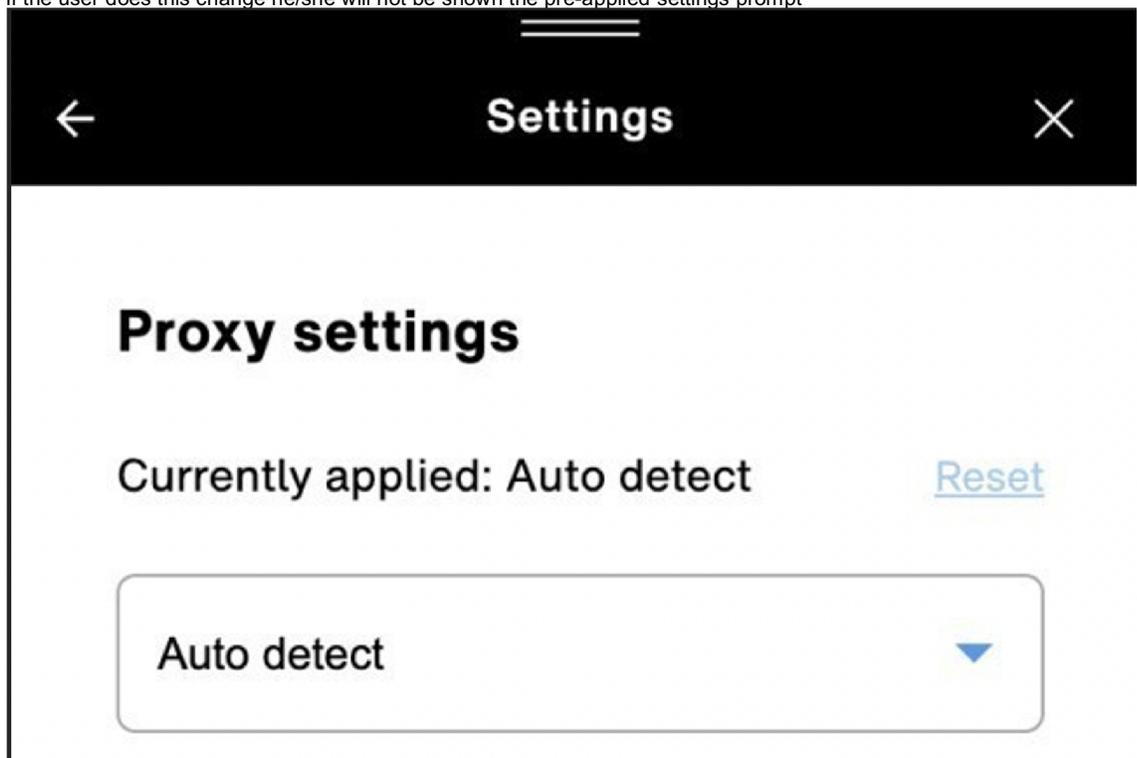
- If the user does not select any values in the proxy settings section, he/she will continue to see the prompt to apply pre-filled values until a selection is made in the application settings
- Until the user makes any selection the application will use auto-detected or previously configured proxy values
- When the user clicks on the link on the pre-filled proxy settings screen, he will be taken to the "Settings section". There he will be shown the prefilled settings with a message that indicates that he needs to update the settings for them to take effect



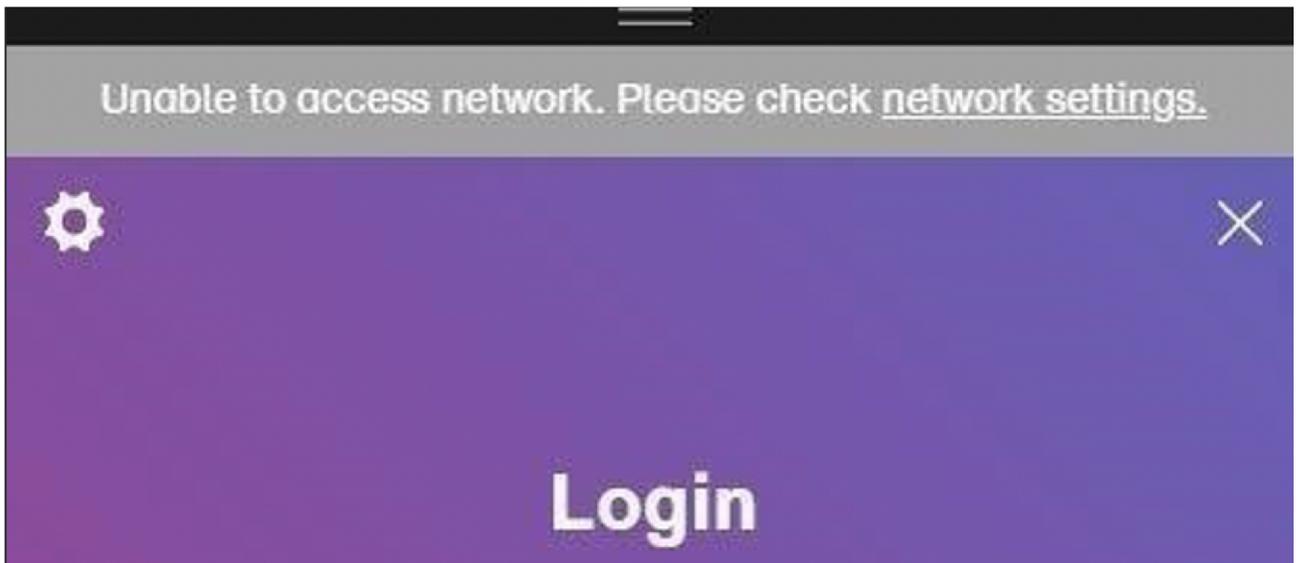
- When the user changes (not necessary to apply) the selected in the proxy settings section, he/she will not be shown the prompt any longer that there are pre-provided settings
- To get this prompt again the user will have to reset his currently selected proxy settings
  - In the below image, the user needs to click on "Reset" to clear his/her selected values and be able to see the preprovided values



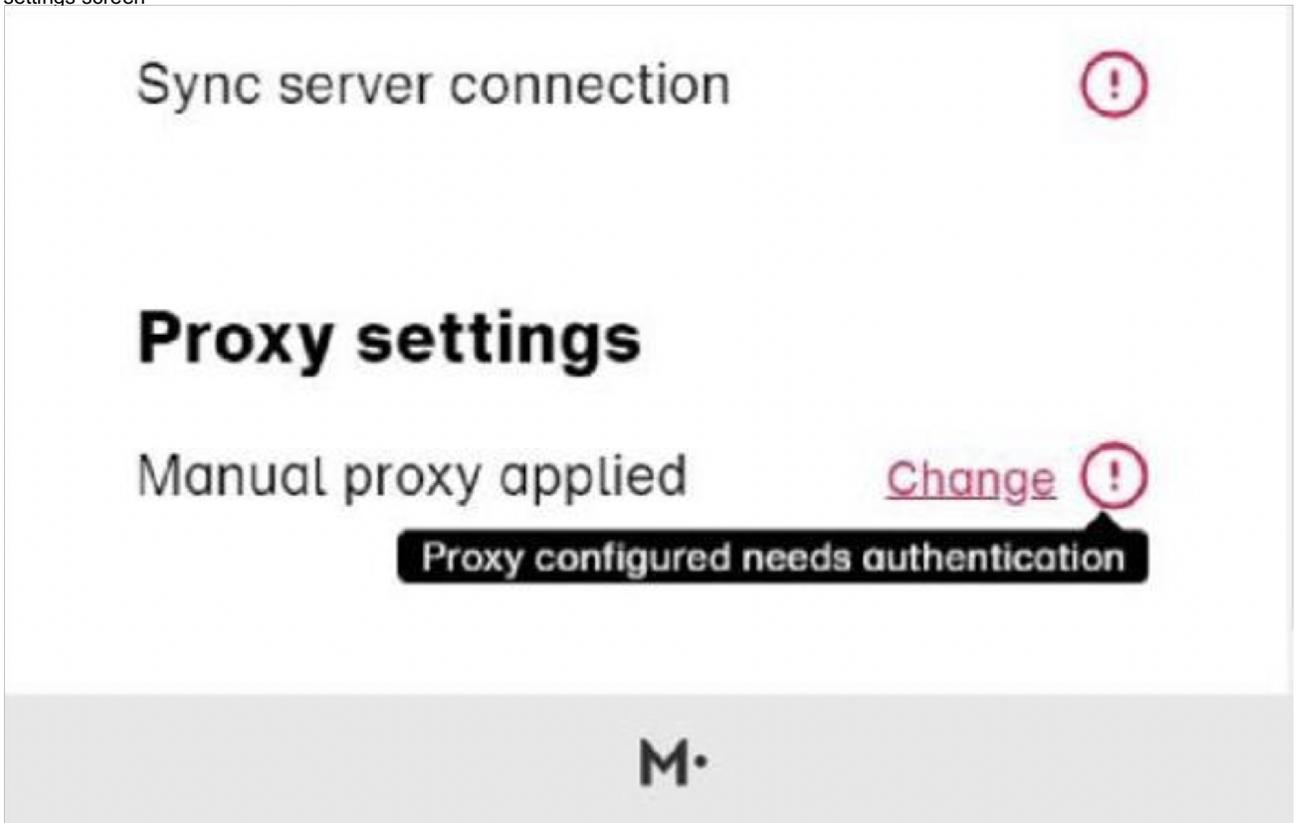
- AUTO-DETECT Option is added in recent release. This is for the case where the user does not want to specify a fixed HTTP /HTTPS setting or have a PAC file URL. But wants the Monotype desktop app to do the autodetection.
  - Now user has the option to go and select AUTO-DETECT in the proxy type dropdown and restart the app
  - If the user does this change he/she will not be shown the pre-applied settings prompt



- PAC file can return multiple proxy values for HTTP/HTTPSURLs, the app will serve by using the first returned proxy value only. If that proxy is down/goes bad, the application will not use the other values. This will be added in a future release
- The proxy being used by the application might require authentication if these values are not provided explicitly by the user, we will show a message in the application that indicates this to the user and directs him to the screen where he can set the values



- The fact that authentication details are required by the user is also present on the diagnostic screen. This is also present in the proxy settings screen



- The Proxy feature of the application does not automatically react to changes in the proxy. These changes can occur in the system network settings, values returned by the PAC file server. When such a change occurs, the user would need to restart the application. To help him with this, our application will show a message that will direct him to the troubleshoot section by conveying him that we are unable to access the network via current settings
- Some limitation regarding HTTPS AUTO-DETECT proxy
  - Monotype desktop app will not auto-detect HTTPS proxy from OS setting, so it needs to add manually either in config or from the UI provided
- One important thing to keep in mind is that whenever there is any proxy change made by the user, he/she needs to restart the application. As shown in the image below

Restart app for network changes to take effect



Settings



## Proxy settings

Currently applied: HTTP/HTTPS

[Reset](#)

HTTP/HTTPS

