# Collaboration Server configuration

Enterprise customers can install Kofax Power PDF Collaboration Server, which is required for the Online Collaboration feature. Online Collaboration works across all remote locations that can access the collaboration server.

**Note**:  
Users should specify the URL of the Collaboration Server in Power PDF before starting the feature.

## Install Collaboration Server

**Note**:  
If you already have an earlier version of Collaboration Server installed, it needs to be uninstalled first. See the “Uninstall Collaboration Server” section below.

To install the Collaboration Server as a service, do the following:

1. Ensure that the console edition of the Collaboration Server is not installed on your computer. To uninstall it, see [the uninstallation instructions for the Console application](file:///C:\Users\alekszandr.szuhoruko\Desktop\Collaboration%20Server_2.0.docx#_Console_application).
2. Download the installation package (KofaxPowerPDFCollaborationServer-1.0.0.3.zip) from the Kofax Network. The actual location is included in the fulfillment email.
3. Extract the .zip file to an empty folder on the server.
4. Open the folder in **File Explorer**.
5. Optionally, modify the installation path in the .bat files.

The default installation path is C:\PowerPDFCollaboration, specified in each batch file, in the coll\_inst\_path variable, in this line:

set coll\_inst\_path=c:\PowerPDFCollaboration

Use a plain-text editor and update the following batch files by editing the value of the coll\_inst\_path variable as you prefer:

* server\_install\_1\_run\_as\_user.bat
* server\_install\_2\_run\_as\_admin.bat
* server\_launch\_as\_admin\_nginx.bat
* server\_stop\_run\_as\_admin.bat
* server\_uninstall\_run\_as\_admin.bat

**Important**:  
Be sure to specify the same installation path in all batch files.

1. Start server\_install\_1\_run\_as\_user.bat.

**Note**:  
During installation, click **Yes** each time the **User Access Control** confirmation appears.

1. Start server\_install\_2\_run\_as\_admin.bat by selecting **Run as administrator** from the context menu of the file.

Now Collaboration Server is installed. You can configure HTTPS (optional) and run Collaboration Server before using the Online Collaboration feature.

## Configure ports and HTTPS for Collaboration Server

Collaboration Server can work with HTTP or HTTPS. HTTPS is recommended for security reasons.

1. Power PDF is shipped with a default self-signed certificate. Optionally, use your certificate to comply with your company's security.
2. Build your certificate. The following batch sample code demonstrates how to use OpenSSL to create certificate files.

rem generate RSA Private key and self-signed certificate:

"c:\Program Files\OpenSSL-Win64\bin\openssl" genrsa -out ca.key 2048

"openssl" req -new -key ca.key -out ca.csr

"openssl" x509 -req -days 3650 -in ca.csr -signkey ca.key -out ca.crt

rem generate client-side Private key and self-signed certificate:

"openssl" genrsa -des3 -out client.key 1024

"openssl" req -new -key client.key -out client.csr

"openssl" ca -config ".\openssl.cnf" -in client.csr -out client.crt -cert

ca.crt -keyfile ca.key

rem ----remove password:

"openssl" rsa -in client.key -out client.key.pem

rem generate server-side Private key and self-signed certificate (these are

the two files we sent):

"openssl" genrsa -des3 -out server.key 1024

"openssl" req -new -key server.key -out server.csr

"openssl" ca -config ".\openssl.cnf" -in server.csr -out server.crt -cert

ca.crt -keyfile ca.key

rem ----remove password:

"openssl" rsa -in server.key -out server.key.pem

rem use server.key.pen ad server.key on the collaboration server

1. Replace the following certificate files on the server:

* server.crt: Server certificate.
* server.key: PEM format key file for server.crt.

The certificate files are located in a subfolder under the installation folder of Collaboration Server. By default, this path is:

C:\PowerPDFCollaboration\web\nginx-1.14.2\conf

1. Replace the following certificate files on the computer where Power PDF runs:

* ca.crt: The certificate used to create or sign server.crt and client.crt certificates.
* client.crt: Server certificate.
* client.key.pem: PEM format key file for client.crt.

The files are located in the bin folder under the Power PDF installation path. By default, this Power PDF path is:

C:\Program Files (x86)\Kofax\Power PDF 50\bin

1. Enable port 443 for HTTPS in Windows Firewall. Refer to [Microsoft firewall instructions](https://docs.microsoft.com/en-us/dotnet/framework/wcf/samples/firewall-instructions) for details.

**Note:**  
Ensure that ports 80 and 443 are free and not used by any other application such as Internet Information Services (IIS).

You should run Collaboration Server before using the Online Collaboration feature.

## Run Collaboration Server

Ensure that Online collaboration is enabled before using the feature.

To run Collaboration Server:

1. In **File Explorer**, open the folder where Collaboration Server is installed.
2. Start server\_launch\_run\_as\_admin.bat with administrator rights. To start with administrator rights, select **Run as administrator** from the context menu of the file.

**Note:**The Collaboration Server continues to run as you log off Windows. If you restart the computer, the Collaboration Server starts automatically.

## Uninstall Collaboration Server

The following sections describe how you can uninstall the different editions of Collaboration Server.

### Console application

If Collaboration Server was installed as a console application (using the package KofaxPowerPDFCollaborationServer-1.0.0.zip or KofaxPowerPDFCollaborationServer-1.0.0.1.zip), do the following to uninstall it:

1. Stop the Redis service. Go to **Task Manager > Services**, right-click Redis, and then select **Stop** from the context menu that appears.
2. Stop nginx.exe. Go to **Task Manager > Details**, select nginx.exe, and then click **End** **task**.
3. Repeat step 2 for all running instances of nginx.exe.
4. Delete the folder in which the Collaboration Server was installed.  
   The default folder is C:\PowerPDFCollaboration.

### Service

* Start server\_uninstall\_run\_as\_admin.bat with administrator rights.  
  To start with administrator rights, select **Run as administrator** from the context menu of the file.