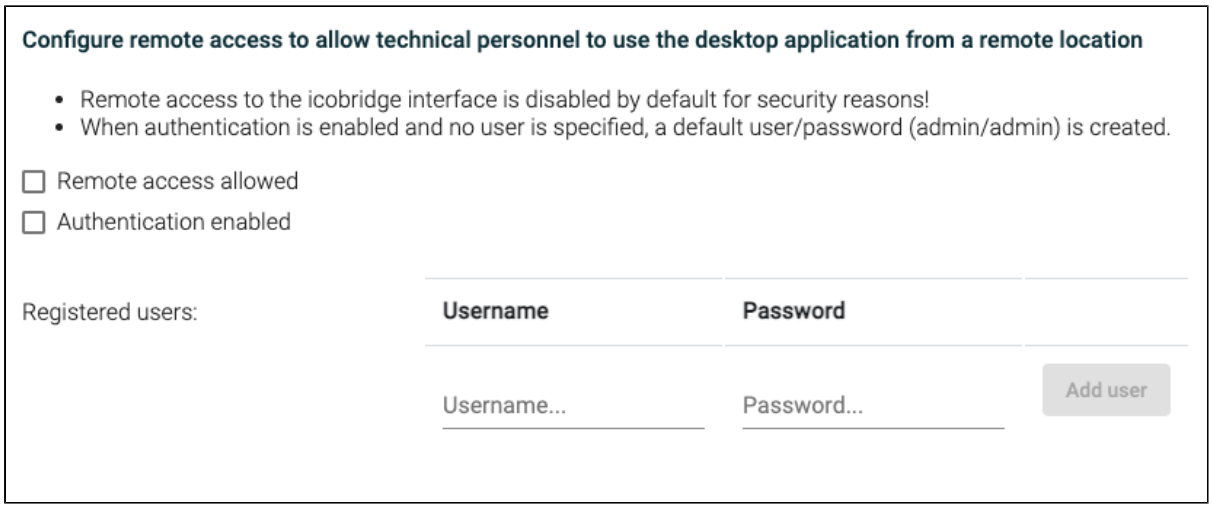
icobridge 4.x: Remote Access

Remote access to the ico**bridge** interface is disabled by default for security reasons. To allow modality operators and other technical personnel to use the client application from a remote location, remote access needs to be configured on the ico**bridge** server.

Step 1: allow remote access

Refer to the localhost:8042 interface to enable remote access and define authenticated users.



Step 2: secure the connection

With password information being transmitted over default http protocol, it is recommended to enable SSL encryption. The following table with keys from the remote configuration file describes their purpose and how to adjust the values to secure the connection.

Changes to be made are done to the remote configuration file, located at C:\icobridge-4x\Configuration\remote.json. In order to safely edit the file, the ico**bridge** service needs to be stopped. For macOS and Docker versions, simply stop the command or Docker container which started the ico **bridge** server. For Windows go to Services, locate ico**bridge** and stop the service. Once changes are made to the configuration file, ico**bridge** can be started again for the changes to take effect. Take extra care in editing the json configuration file to respect the required json syntax. Any syntax errors will prevent the ico**bridge** service to start correctly.

Key	Description	Value type	Original value	New value
`SslEnabled`	Enable SSL encryption on http connection. Note that as soon as this is enabled the https protocol needs to be used.	boolean	`false`	`true`
`SslCertificate`	Absolute or relative path to the SSL certificate in PEM format. To generate a certificate, refer to the Orthanc book: https://book.orthanc-server.com/faq/https.html	string	`""`	`"../Certificates/localhost.pem"`

Step 3: trust the certificate

When SSL is enabled and if you issue a self-signed certificate, you will need to add the certificate to your trusted store or keychain in order to access the ico**bridge** interface either from web browser or client.