

Configuring HTTPS/SSL

A Profound.js server instance can be configured for HTTPS by setting a few options in the instance configuration file. The simplest configuration uses just the `sslKey` and `sslCert` configuration options to specify the location of the SSL certificate and private key. In this example, the server is configured to listen on the standard HTTPS port 443:

Basic Configuration for HTTPS

```
module.exports = {
  "port": 443,
  "staticFilesDirectory": "htdocs",
  "pathlist": [
    "pjssamples"
  ],
  "initialModules": {
    "/hello": "pjssamples/hello",
    "/hello2": "pjssamples/hello2",
    "/connect4": "pjssamples/connect4",
    "/upload": "pjssamples/upload"
  },
  "dbDriver": "IBMi",
  "timeout": 3600,
  "sslKey": "/my_cert/key.pem",
  "sslCert": "/my_cert/cert.pem"
}
```

This example uses the `securePort` configuration option to configure the server to handle both HTTP (port 80) and HTTPS (port 443):

Configuration for Both HTTP/HTTPS

```
module.exports = {
  "port": 80,
  "staticFilesDirectory": "htdocs",
  "pathlist": [
    "pjssamples"
  ],
  "initialModules": {
    "/hello": "pjssamples/hello",
    "/hello2": "pjssamples/hello2",
    "/connect4": "pjssamples/connect4",
    "/upload": "pjssamples/upload"
  },
  "dbDriver": "IBMi",
  "timeout": 3600,
  "sslKey": "/my_cert/key.pem",
  "sslCert": "/my_cert/cert.pem",
  "securePort": 443
}
```

This example uses the `securePort` and `redirectHTTP` options to configure the server to handle both HTTP (port 80) and HTTPS (port 443). All HTTP requests will be automatically redirected to HTTPS:

Configuration to Redirect HTTP to HTTPS

```
module.exports = {
  "port": 80,
  "staticFilesDirectory": "htdocs",
  "pathlist": [
    "pjssamples"
  ],
  "initialModules": {
    "/hello": "pjssamples/hello",
    "/hello2": "pjssamples/hello2",
    "/connect4": "pjssamples/connect4",
    "/upload": "pjssamples/upload"
  },
  "dbDriver": "IBMi",
  "timeout": 3600,
  "sslKey": "/my_cert/key.pem",
  "sslCert": "/my_cert/cert.pem",
  "securePort": 443,
  "redirectHTTP": true
}
```