Oracle® Hospitality Hotel Property Interface

Ifc8Control User Guide



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Oracle Hospitality Hotel Property Interface Ifc8Control User Guide Release 8.17.1.0

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Preface

Purpose

This guide explains the common handling of the Ifc8.Net Ifc8Control module.

Audience

This document is intended for system administrators, support and users familiar with the Hotel Property Interface application IFC8.

Customer Support

To contact Oracle Customer Support, access Customer Support Portal at the following URL:

https://iccp.custhelp.com

When contacting Customer Support, please provide the following:

Product version and program/module name

Functional and technical description of the problem (include business impact)

Detailed step-by-step instructions to re-create

Exact error message received

Screen shots of each step you take

Documentation

Oracle Hospitality product documentation is available on the Oracle Help Center at

http://docs.oracle.com/en/industries/hospitality/

Table 1 Revision History

Date	Description
September 2026	Initial Publication

1 General

IFC8 is used as the primary Property Interface application with Oracle Suite8 PMS and with Oracle OPERA PMS (On-Premises & Cloud).

IFC8 should be installed at the customer site for communication to certain external systems that are utilized by the site.

The Ifc8Control application is part of the Ifc8 version and provides an option allowing display of the status of current installed IFC8 instances – as an application or as service in one panel. It also manages the IFC8 service installation, configuration, and maintenance.

This document will outline the common configuration and handling of the Ifc8Control application.

2

Installing and Uninstalling Ifc8Control

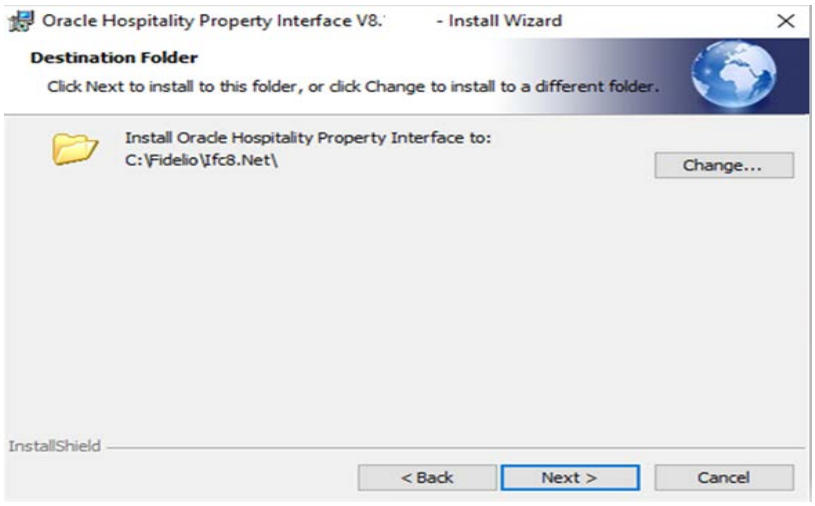
Install Ifc8Control

The IfcControl application is part of the IFC8.Net installer.

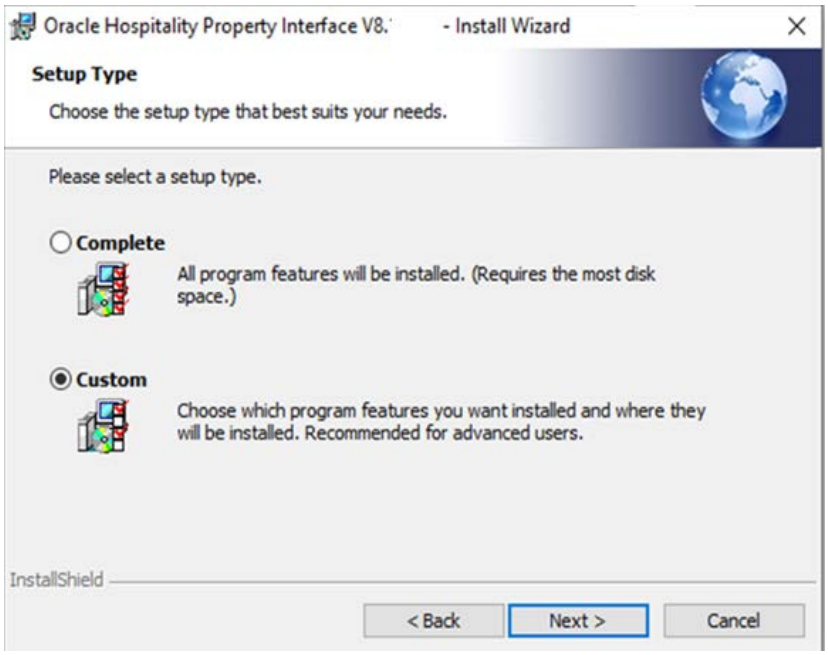
1. Run the IFC8.Net installer.



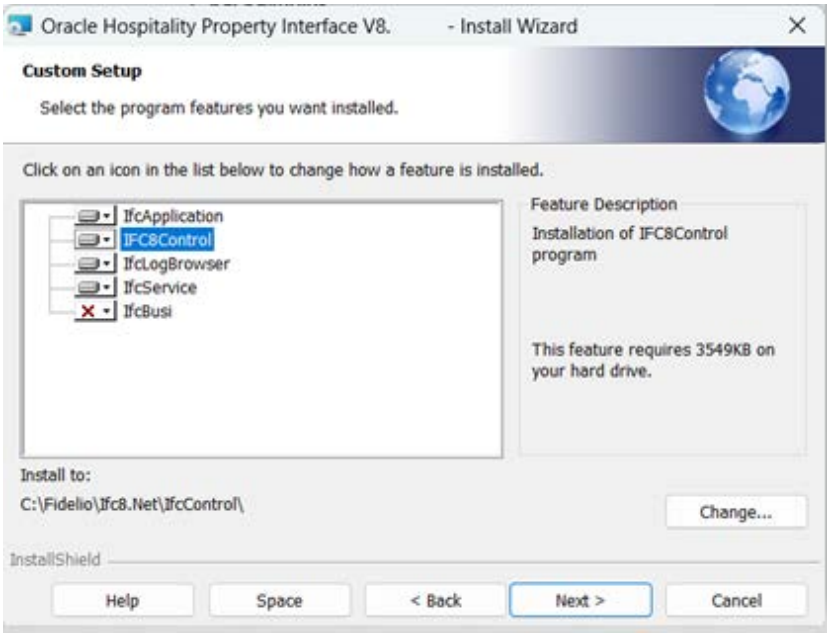
2. Select Next.



3. Select Next.

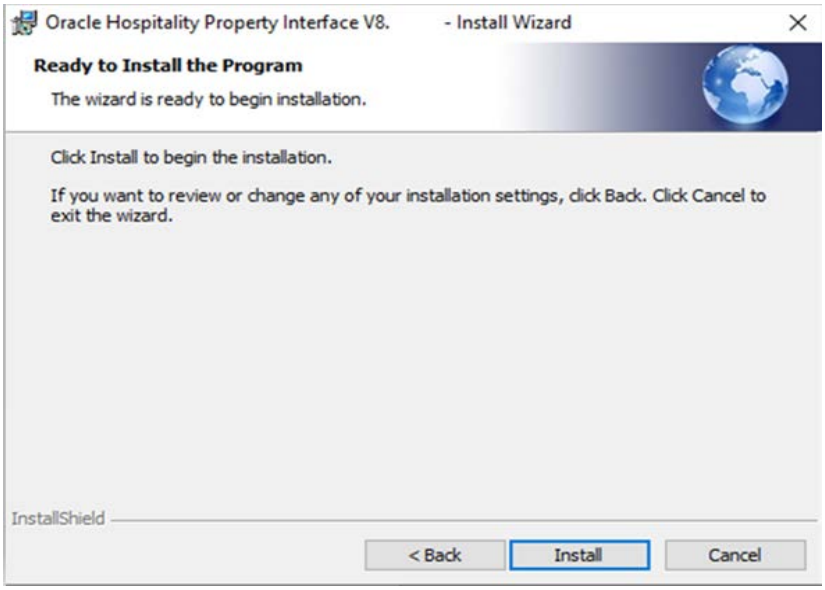


4. Choose Custom and select Next.

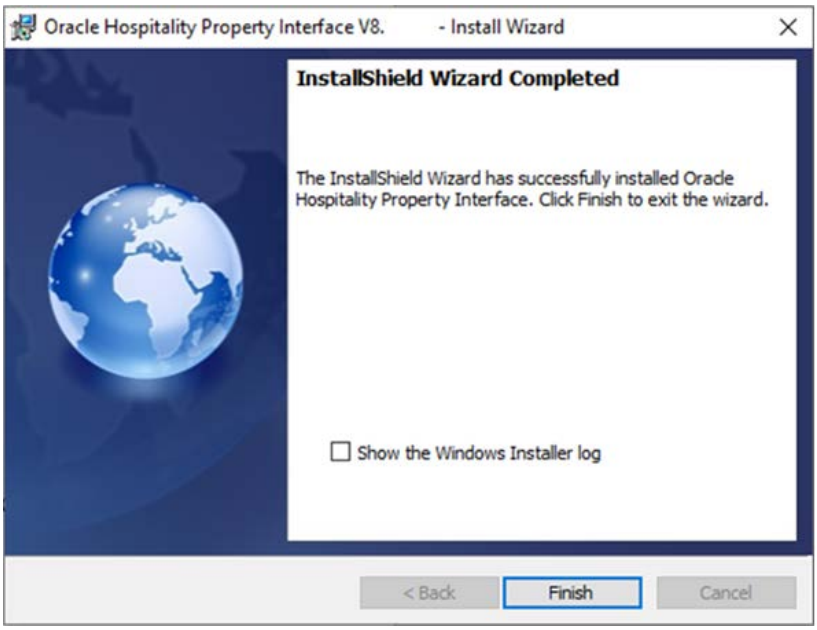


Option Ifc8Control is available for installation by default.
Ifc8Control will be installed to `C:\Fidelio\Ifc8.Net\IfcControl` folder.

5. Select Next.

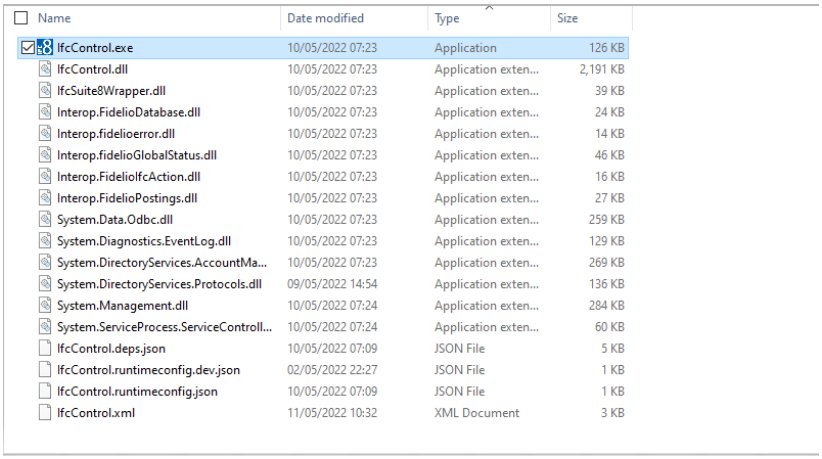


6. Select Install to proceed with the installation.



7. Select Finish to close installer.

After installation you find the related files in `c:\Fidelio\Ifc8.Net\IfcControl` folder:



Name	Date modified	Type	Size
IfcControl.exe	10/05/2022 07:23	Application	126 KB
IfcControl.dll	10/05/2022 07:23	Application exten...	2,191 KB
IfcSuite8Wrapper.dll	10/05/2022 07:23	Application exten...	39 KB
Interop.FidelioDatabase.dll	10/05/2022 07:23	Application exten...	24 KB
Interop.fidelioerror.dll	10/05/2022 07:23	Application exten...	14 KB
Interop.fidelioGlobalStatus.dll	10/05/2022 07:23	Application exten...	46 KB
Interop.FidelioIfcAction.dll	10/05/2022 07:23	Application exten...	16 KB
Interop.FidelioPostings.dll	10/05/2022 07:23	Application exten...	27 KB
System.Data.Odbc.dll	10/05/2022 07:23	Application exten...	259 KB
System.Diagnostics.EventLog.dll	10/05/2022 07:23	Application exten...	129 KB
System.DirectoryServices.AccountMa...	10/05/2022 07:23	Application exten...	269 KB
System.DirectoryServices.Protocols.dll	09/05/2022 14:54	Application exten...	136 KB
System.Management.dll	10/05/2022 07:24	Application exten...	284 KB
System.ServiceProcess.ServiceControll...	10/05/2022 07:24	Application exten...	60 KB
IfcControl.deps.json	10/05/2022 07:09	JSON File	5 KB
IfcControl.runtimeconfig.dev.json	02/05/2022 22:27	JSON File	1 KB
IfcControl.runtimeconfig.json	10/05/2022 07:09	JSON File	1 KB
IfcControl.xml	11/05/2022 10:32	XML Document	3 KB

IfcControl file description

File Name	Description	Notes
IfcControl.exe.config	Mandatory config file	Do not delete or change.
IfcControl.dll	Data Link Library	Do not delete or change
Interop.xxx.dll	Mandatory files	Suite8 only (will always be deployed)
System*.dll	Mandatory files	Additional Libraires
IfcControl.xml	Mandatory files	Configuration file

Uninstalling Ifc8Control

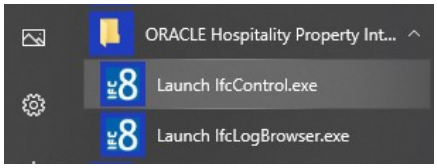
Use the Ifc8.Net installer to uninstall the Ifc8Control application.

After uninstallation the configuration file `IfcControl.xml` will remain in the directory.

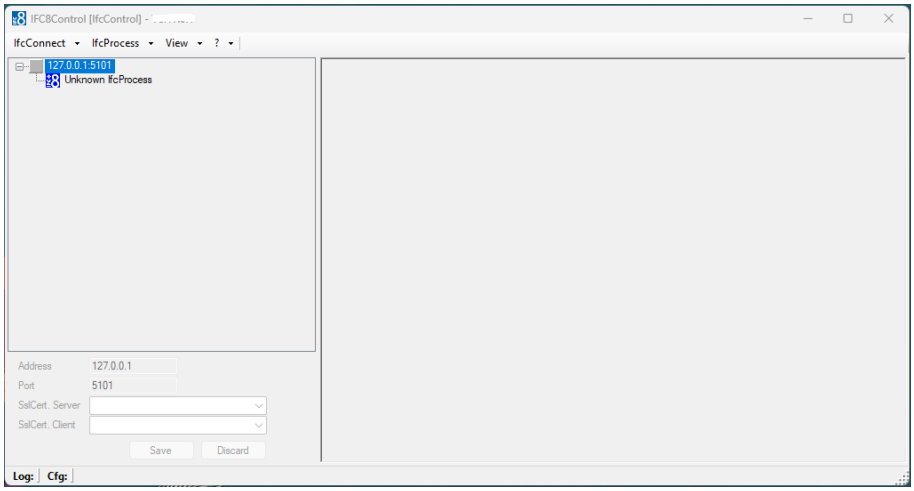
3
Configuring Connections

Starting Ifc8Control and Initial Connection

Execute IfcControl.exe from out the \Ifc8.Net\IfcControl folder or through Windows Start Menu \ ORACLE Hospitality Property Interface folder.

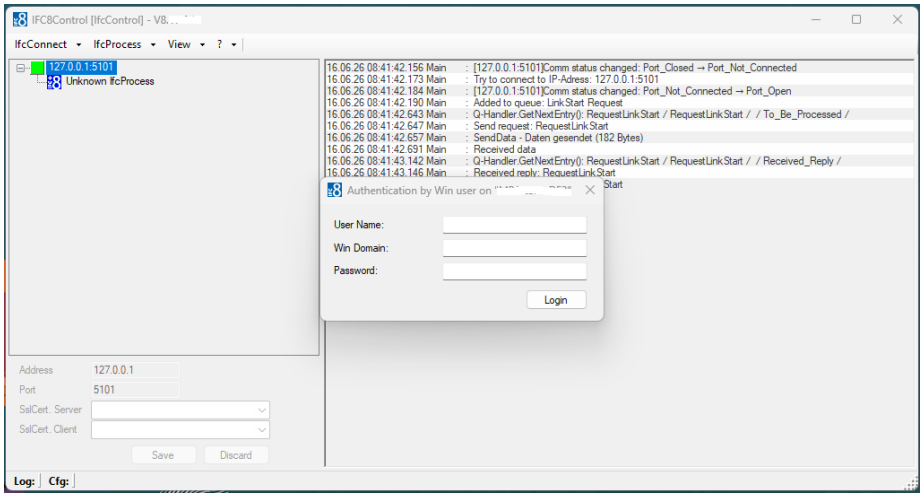


When you first start the IfcControl Program you will be presented with a blank canvas with a default connection, Local Machine (127.0.0.1) and Default Port (5101).

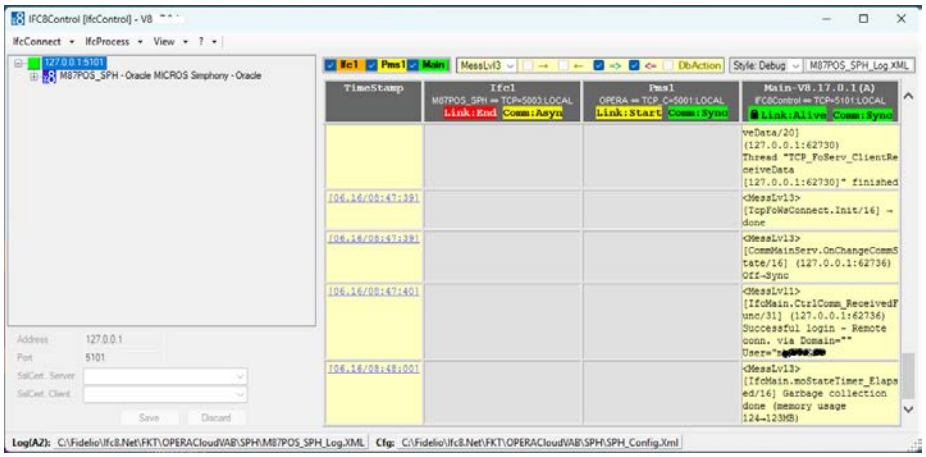


If there is an IFC8 configured with the default port up & running, you can start the connection by a double-click.

A new form will appear requesting the input of your Windows credentials (Win User).



Once the credentials are correctly entered the Ifc Forms will display.

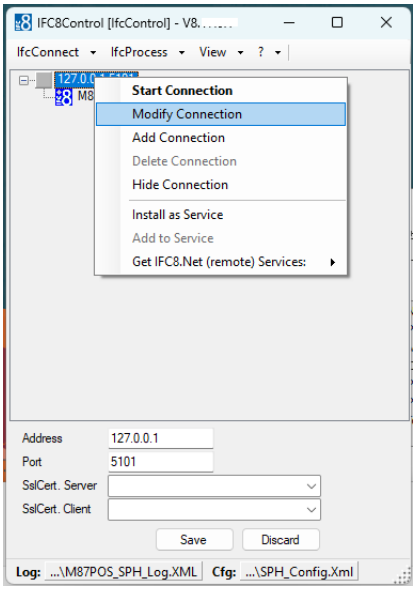


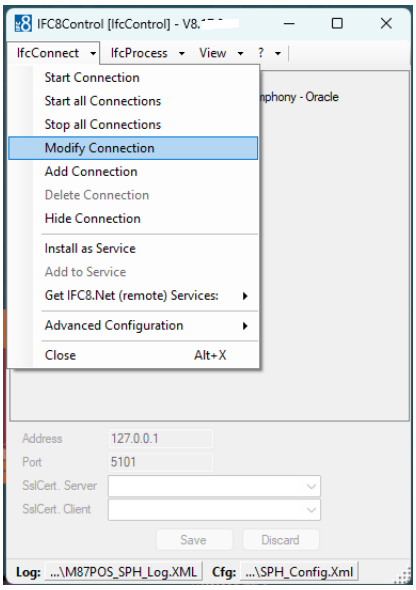
Modifying a connection

If no IFC8 connections exist with a default port or you are connecting to a remote machine you will need to modify the default connection offered.

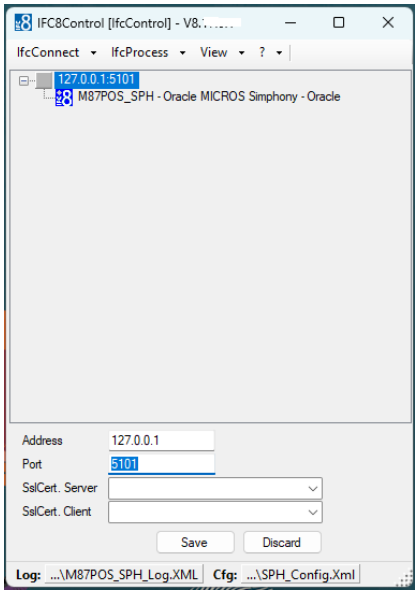
To do this, right click on the existing entry and select Modify Connection.

Alternatively select Modify Connection from the drop-down menu.



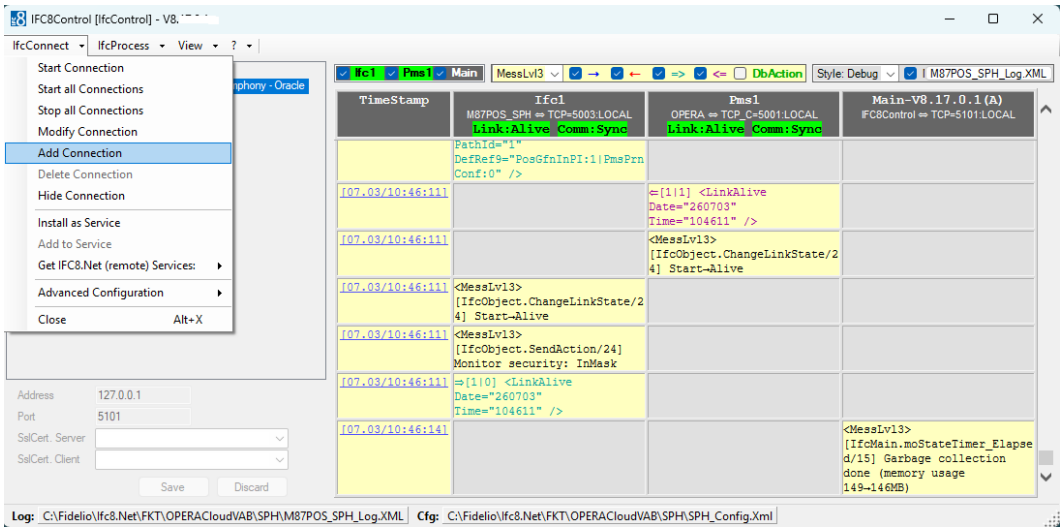


In either scenario a configuration screen will appear where you can adjust the IP Address or Port accordingly.



Adding a New Connection

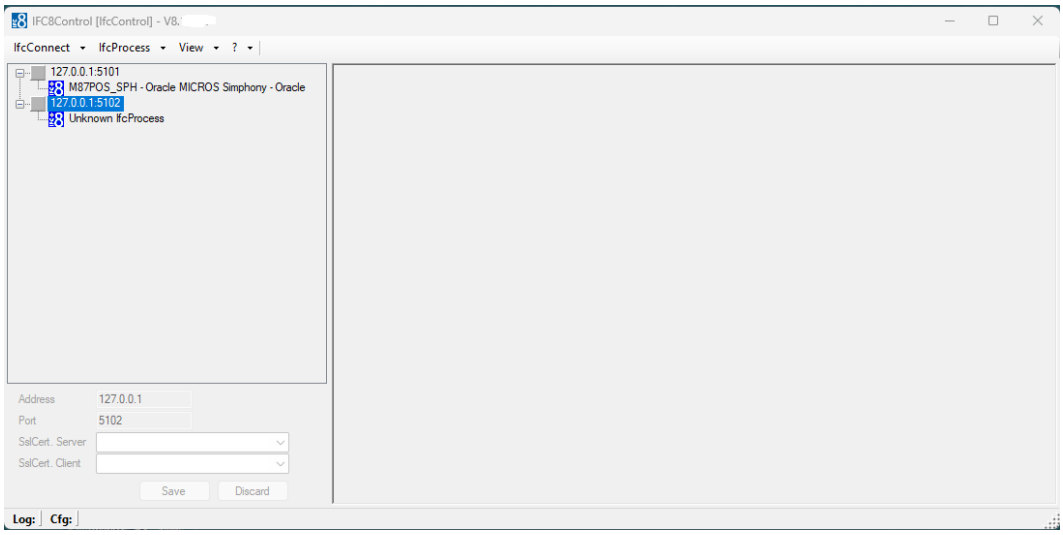
1. Select **Add Connection** from the Ifc8Connect drop down menu.



2. Proceed to enter the IP Address and port of the IfcControl Object to connect to.

   Port and address are separated by a colon (:).

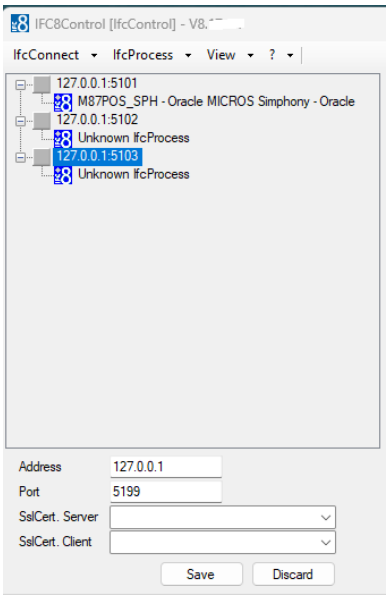
   The Port must correspond to the Port configured in Ifc8.NET MAIN Object of the Instance you wish to connect to.



Adding a New Ifc8OperaConnector Connection

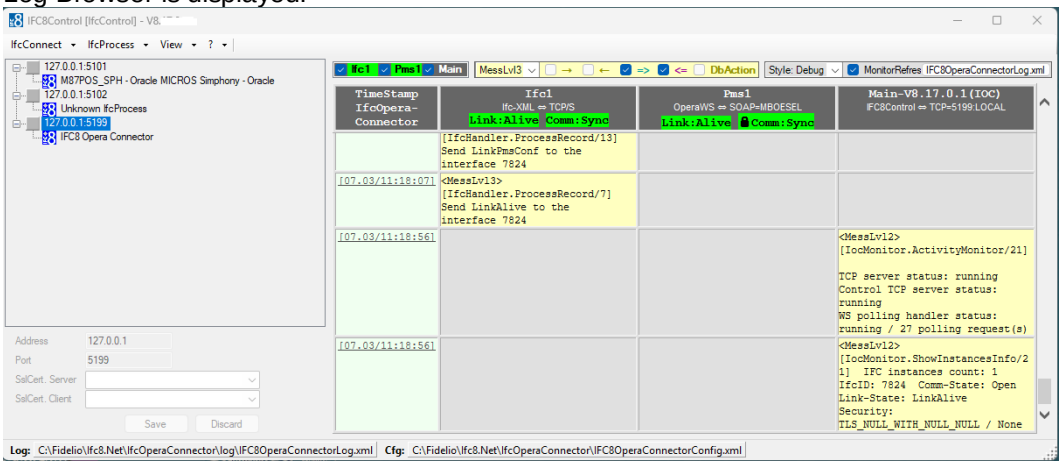
The process of adding an Ifc8OperaConnector to the IfcControl Program is the same as adding a new Ifc Connection.

1. Select **IfcConnect** -> **Add Connection** from the drop-down.



Then add the Ip address and Port to connect to and click “Save”

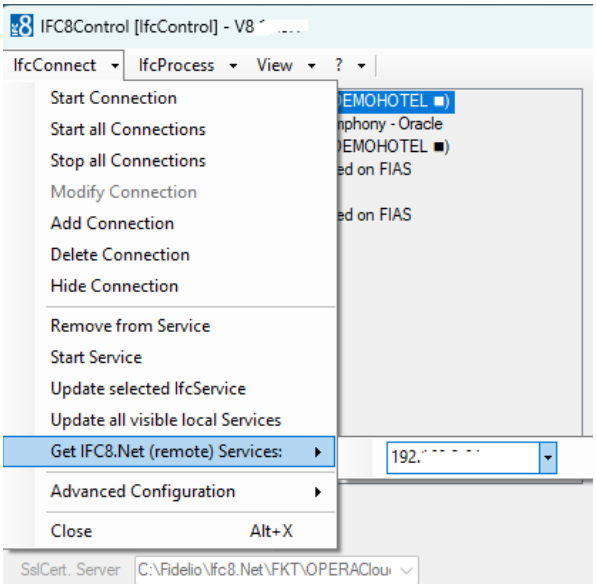
2. Double-click the new entry and enter the login credentials. The Ifc8OperaConnector Log Browser is displayed.



Adding Connection from remote Machines

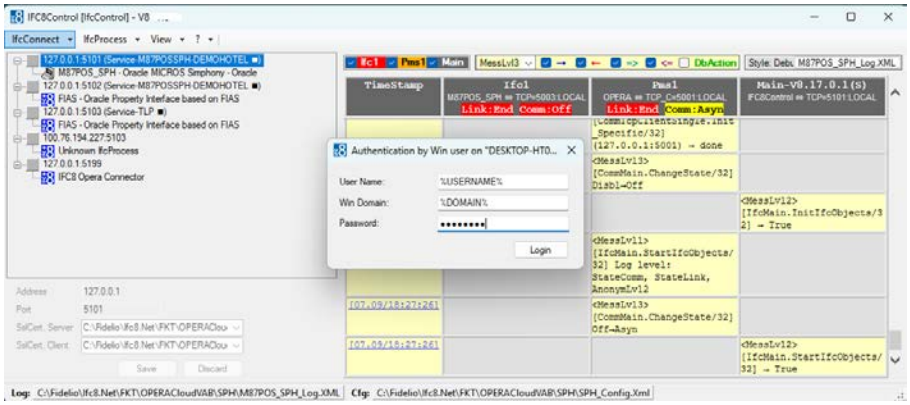
To add connection from remote machines, we have two Possibilities.

1. As a simple connection using the drop-down menu as explained above in the add new connection section.
2. Retrieving the Ifc8 Services on a remote Machine. This is done via the drop-down menu.
3. Select the Get IFC8.Net (remote) Services Option.



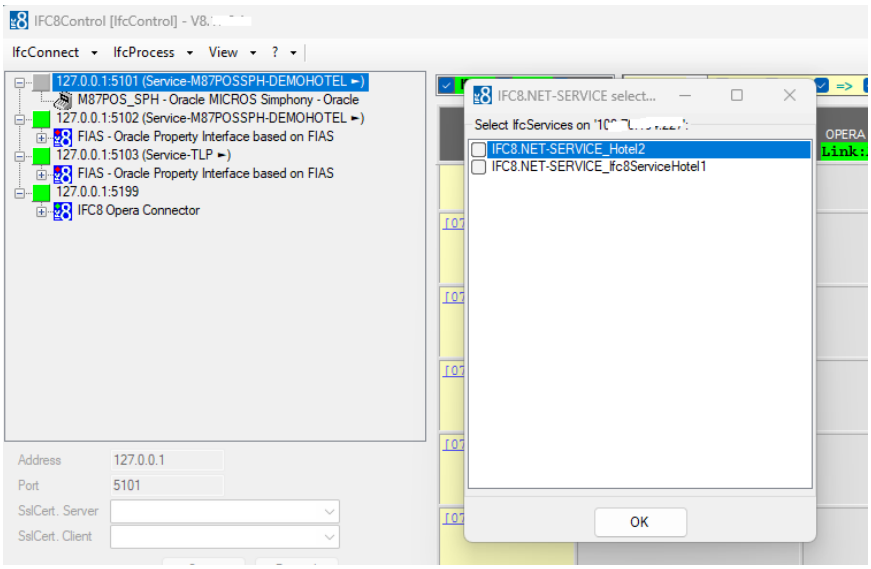
Here the IP Address of the remote Machine is entered and confirmed by enter ¿

A request for credentials for the other Machine will pop up.



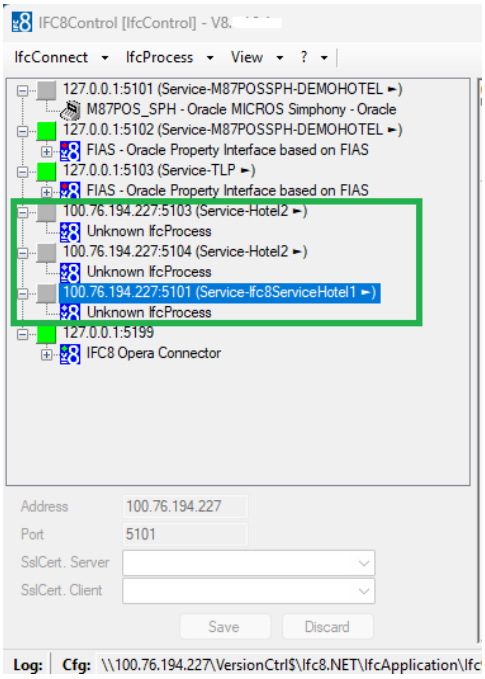
This may take some time depending on your Network / Domain structure.

When the Authentication is successful a screen will offer the services installed on the remote Machine for selection.



Mark the Ifc8 Services you wish to add to your IfcControl Configuration and select OK.

The Ifc8 Connections to the remote Services will then be available on the IfcControl form.



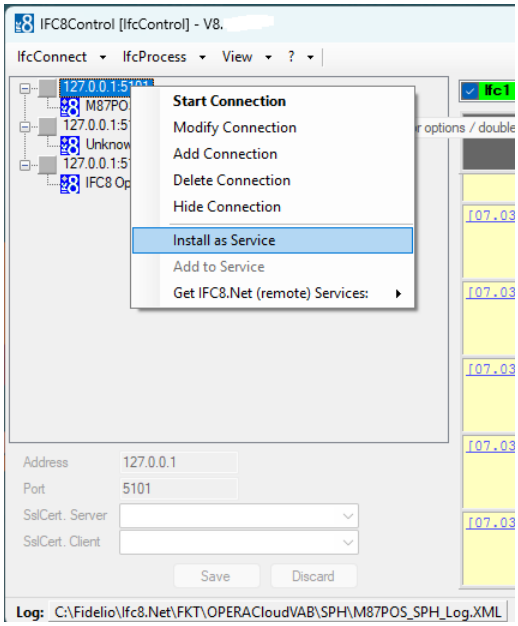
4

Installing Services

If this is the first time you are Installing Services with Ifc8.Net 8.15.x please read all the documentation pertaining to Services before proceeding. In Particular the handling Section, to ensure any choices to be made are done soi on an informed basis.

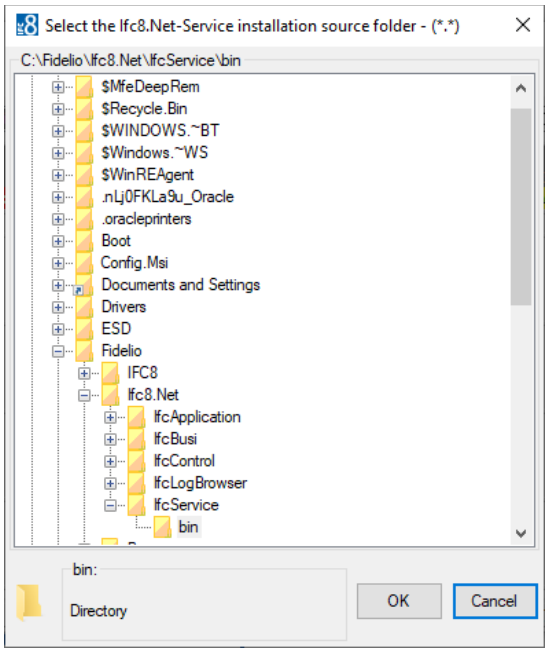
Installing Ifc8 as a Service

To Install Ifc8 as a Service mark the Ifc8 connection of the Interface to be installed as a service. From the drop-down menu “IfcConnect” or by right click select “Install as Service”.



1. Confirm / indicate where the bin sub-directory of the services directory is located. The default would be `\fidelio\Ifc8.Net\Services\Bin`.

   If it is located somewhere else (Non-Standard Installation), it should be linked in this step.

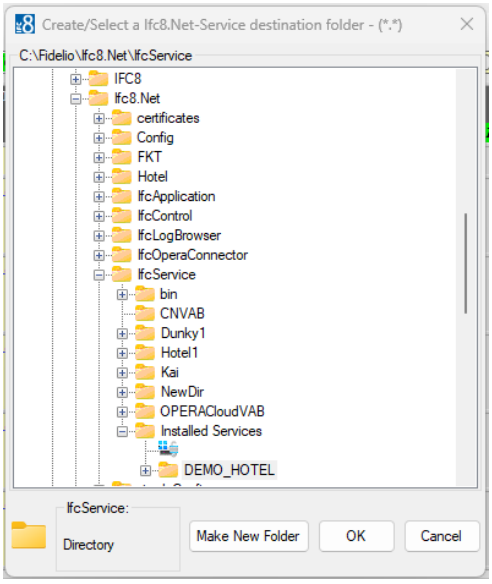


2. Mark the Bin Directory and select **OK**.

3. Indicate in which directory the Services are to be installed.

Recommendation is to have a “Installed Services” Directory where each individual service is installed in its own sub-directory. The Sub-Directory should carry a unique clear name. Either of the FKT_LOGO, HOTEL, MACHINE this depends on if you wish to group Ifc8.Net Instances under one Service or not and if so according to which criteria.

Here the installation will group all Ifc8.Net Instances form one Property “DEMO Hotel” together.



Ifc8.Net offers the ability to configure multiple Ifc8.Net Interfaces under one Service.

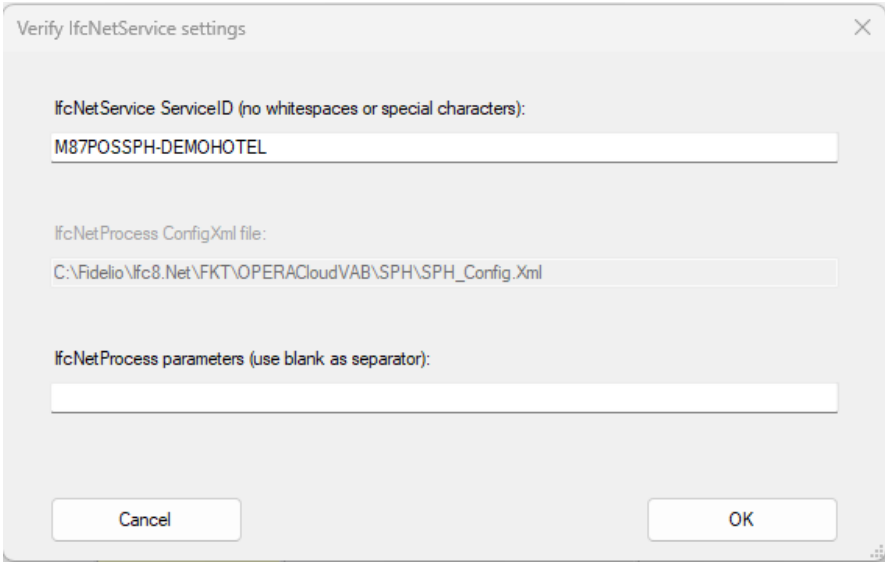
It is therefore recommended that only one Service be installed per machine or Property.

In this example the Services will be installed under

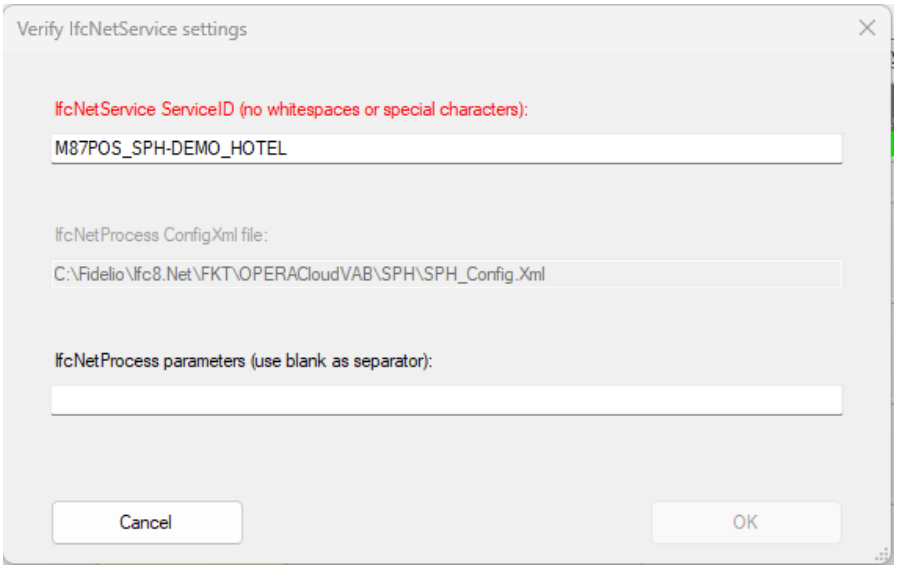
`\Fidelio\Ifc8.Net\IfcService\Installed_Services\Demo_Hotel`
A directory created using the ‘Make New Folder” button.

What happens in the background?
IfcControl will copy the IfcService files from the \IfcService\bin folder into the new folder you created.

Once the directory is defined, the Service Name and parameters need to be entered.



Note that the form will not allow you to proceed with an invalid entry.



IfcNetService Service ID: Freely definable using NO special characters except for a dash / hyphen “- “

IfcNetProcess parameters (Optional)

"+A"

Start All Connections Automatically

This option will start all connections associated with this service automatically

"+C"

Start in Configuration Mode

IFC8 will start in 'Configuration Mode' and will not attempt to connect to the PMS (and subsequently not to a vendor system).

"+V"

Pack IHST Table and rebuild IDRV and IWKC views
For Suite8 PMS Interface only!

Added functionality into IFC8 to rebuild all Interface related views.
To activate this, please add a "+V" to the command line:

This option will as well pack IHST depending on the settings in IDRV and IWKC.

If the Service is intended for an OPERA / CLOUD PMS Installations, please remove if unwanted.

Configuring IfcService

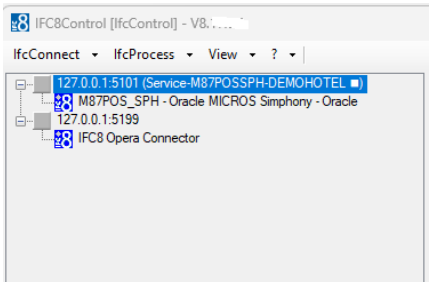
IfcControl module offers the option to configure Ifc8instances as service or remove from an installed service.

It is also possible to maintain Ifc8.Net services by starting and stopping the service.

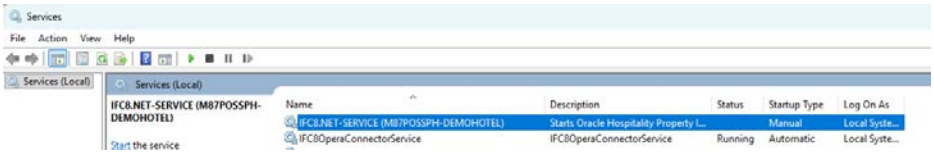
Select **OK** to continue.

The Service will now be installed.

Once done the IfcControl shows the connection being installed as service with updated connection name.



In the Windows Services list the IFC8NET-SERVICE is now visible.



NOTE:

The service will be installed with StartupType = Manual by default.

Please ensure to change this to Automatic afterwards

Adding Ifc8 Instance to Existing Ifc8 Service

As previously stated, it is possible to combine multiple Ifc8 instances into one Ifc8 service.

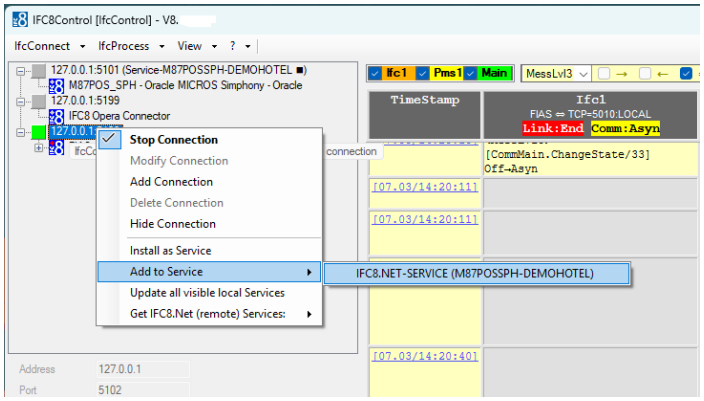
This can be done when, e.g., multiple Ifc8 instances of multiple Hotel properties run on the same PC and shall run as a service.

One can define one Ifc8 service containing all Ifc8 instances for one Hotel property, or One Machine, the logic of which Interfaces are combined is freely definable.

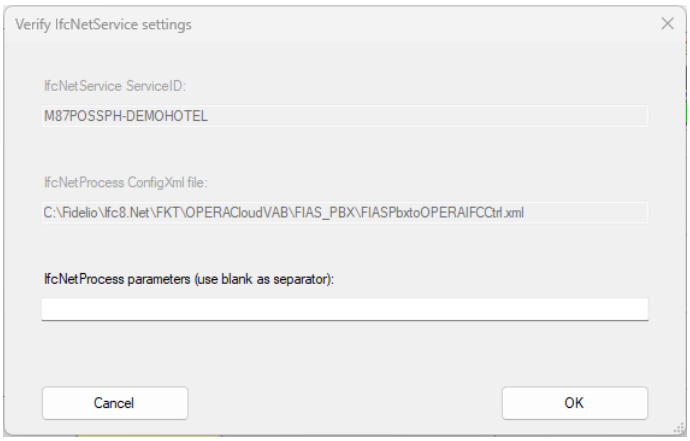
It is also possible to define One Service for One Interface

1. Mark the Ifc8 instance to add to a service.
2. Select **Ifc8Connect** menu and choose **Add to Service** or right click marked Ifc8 instance and choose **Add to Service**.

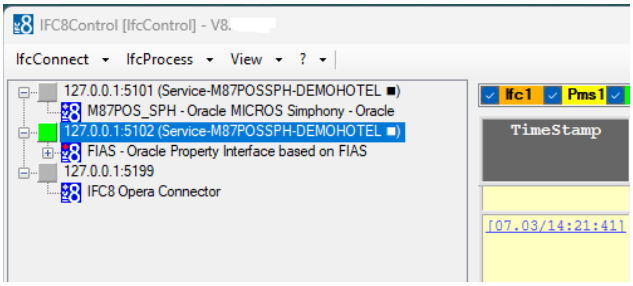
   The menu now offers the service the instance can be added to



3. Select the service and a new form will open.



4. Enter the optional start parameter as required.
5. Click **OK** to confirm adding to service.
6. Click **Cancel** to go back.
7. After you click **OK** IfcControl adds the Ifc8 instance to the chosen Service.



Removing from Service

To remove an Ifc8 instance from an IfcService perform following steps:

1. Mark the Ifc8 instance to remove from service:
2. Select Ifc8Connect – Remove from Service or right-click the marked Ifc8 instance – Remove from Service

After you click on this menu item, the Ifc8 instance will be removed from the Service.

As there is no warning message, ensure to only click on Remove from Service.

Displaying Service Status

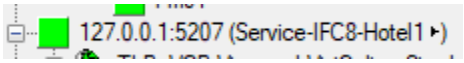
IfcControl will display and icon showing the current Service Status.

It can display if the Ifc Service instance is started, stopped or paused.

Ifc Service Status

Icon	Description
►	Status Service started / running
■	Status Service stopped
▮▮	Status Service paused

The status icon is displayed at the end of the Ifc instance name





> **NOTE**:
> Even the Ifc Service is in status started / running it does not mean that the linked Ifc process is also started and running.

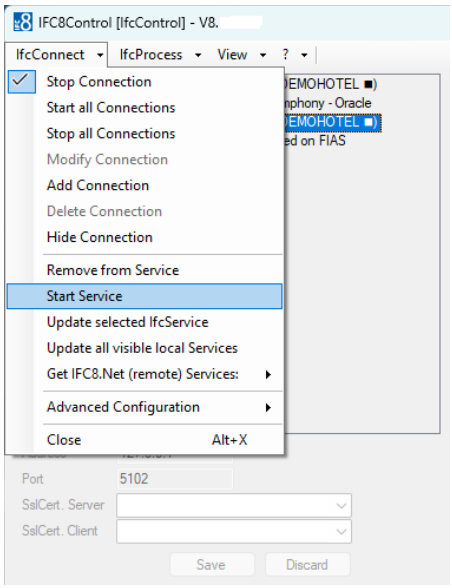
Starting IFC Service Instance

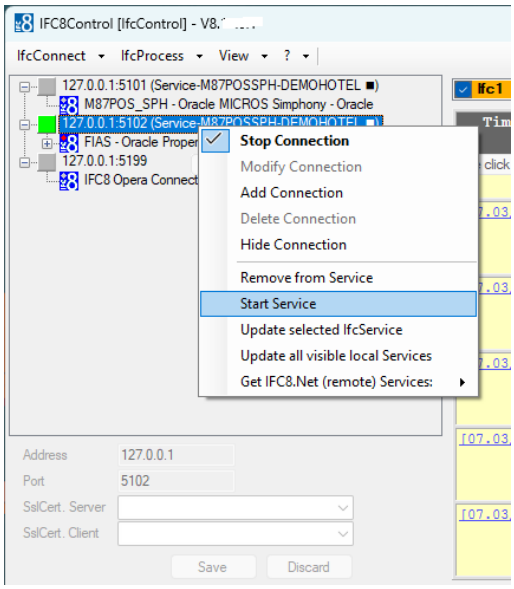
After installation of the Ifc service instance the user can now start the service via IfcControl.

For starting or stopping the IFC8 service no IfcControl connection to the related Ifc8 instance is necessary.

1. Mark one Ifc instance of the IfcService to start.
2. Select IfcConnect menu option or right-click on the marked connection.
3. Select Start Service.

Via IfcConnect Via Right Click



or


The Service starts.

Status can be checked in Windows Services list.

Stopping IFC Service

To stop an IFC8 service via IfcControl

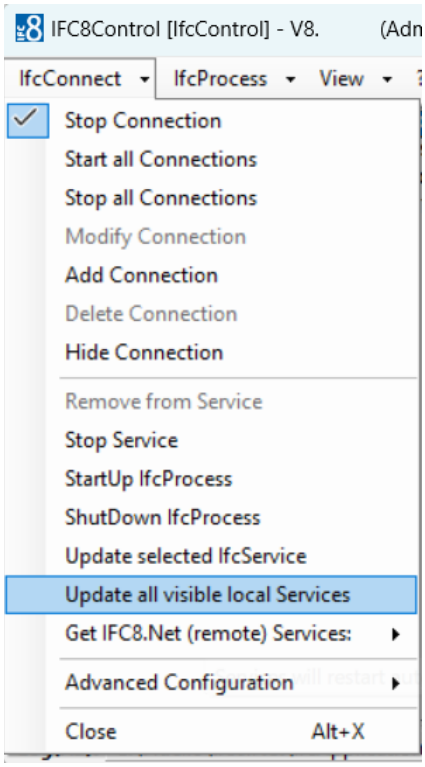
1. Mark the Ifc8 Service to stop.
2. Select IfcConnect menu option or right-click on the marked connection.
3. Select **Stop Service**.

   The Service will stop.

   Status can be checked in Services list.

Upgrading Services

Ifc8Control can upgrade local Services after a general IFC8 software Upgrade.



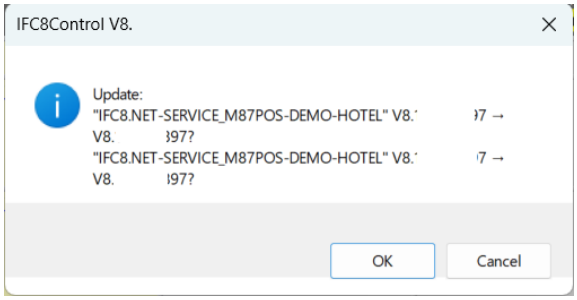
1. Select the Update selected IfcService option for a Singular Service

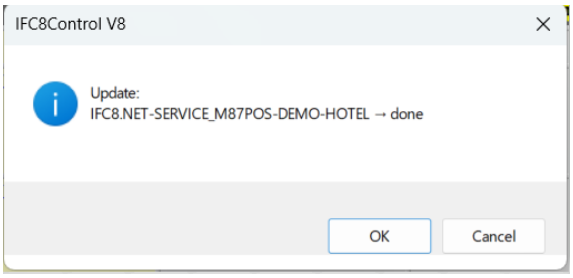
or

2. Update all visible local services.

Then select the source bin to update from:

And Ifc8Control will update the service accordingly.





The Ifc8Control Program will then:

1. Stop The Service
2. Update the Service
3. Update the corresponding XML Configuration File
4. Restart the Service

In the case that one selects update all visible Services this will be done sequentially.

In other words, first service A, then Services B etc. So, to cause the least disruption possible.

> **NOTE**:
> Only Visible Services will be updated!
> Visible is a local Service (This Machine) that is running.

5

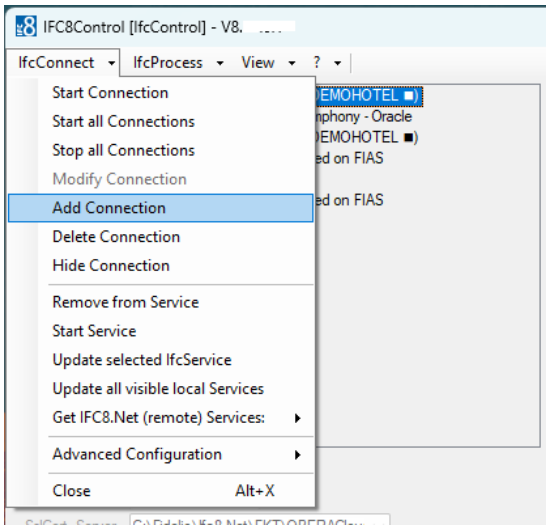
Creating New Interface from Ifc8Control

It is possible to create a new Interface from scratch out of the IfcControl Program.

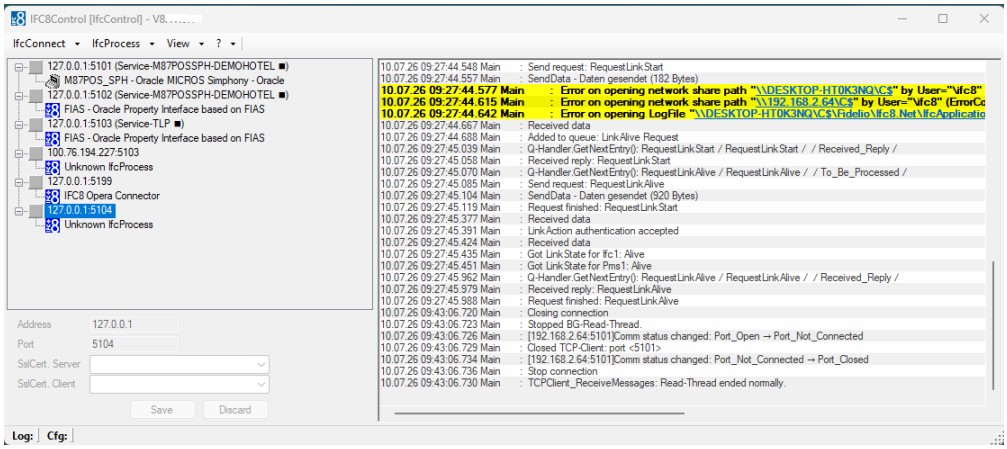
Follow the following steps.

Adding Connection

Click the Menu option IfcConnect, then click Add Connection:

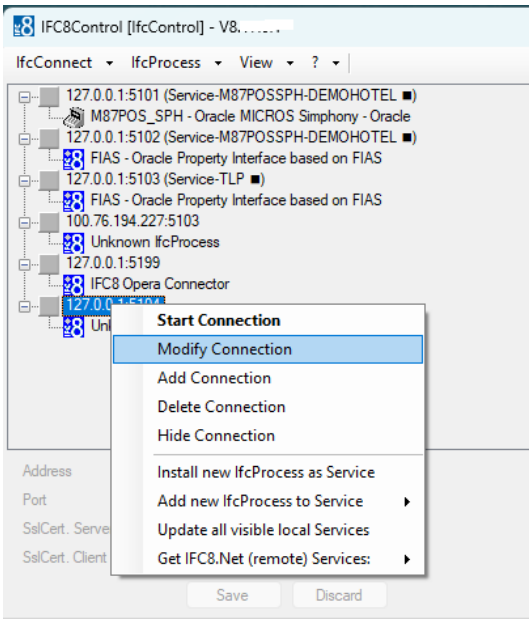


A new entry will be created in the left panel with default settings, local IP address and next available IP Port.

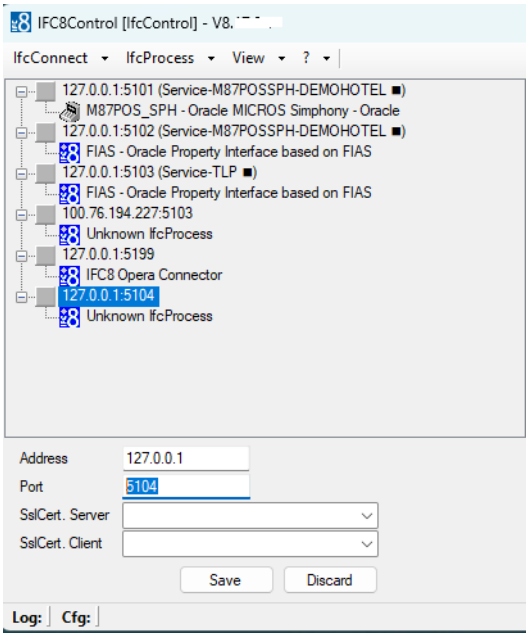


Defining the port to be used for communication.

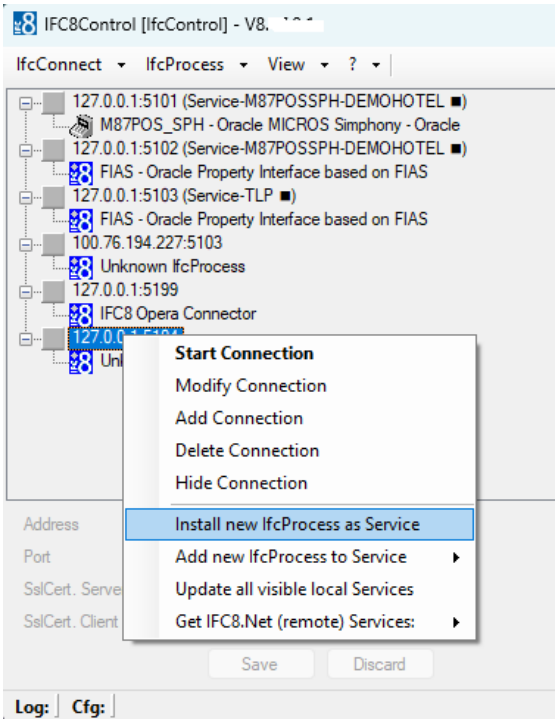
To adjust the IP address or IP Port right click on the marked connection and click Modify Connection.



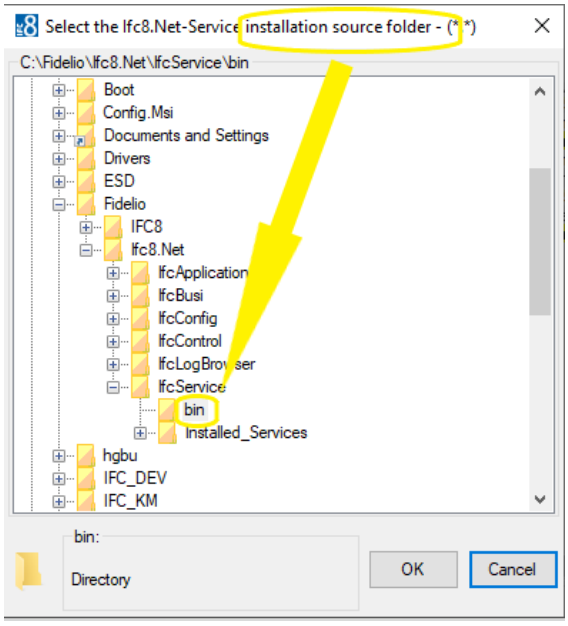
You can now adjust the Ip address or IP Port or adding certificates for the Ifc_Control connection to the IFC instance.
Click Save to store the adjusted settings.



Installing new IfcProcess as Service

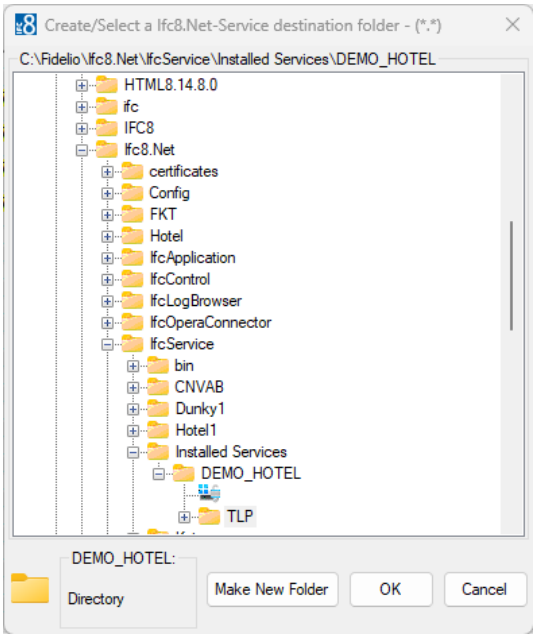


Once selected the service Installation Source Folder needs to be selected.



By default, this would be the bin folder.

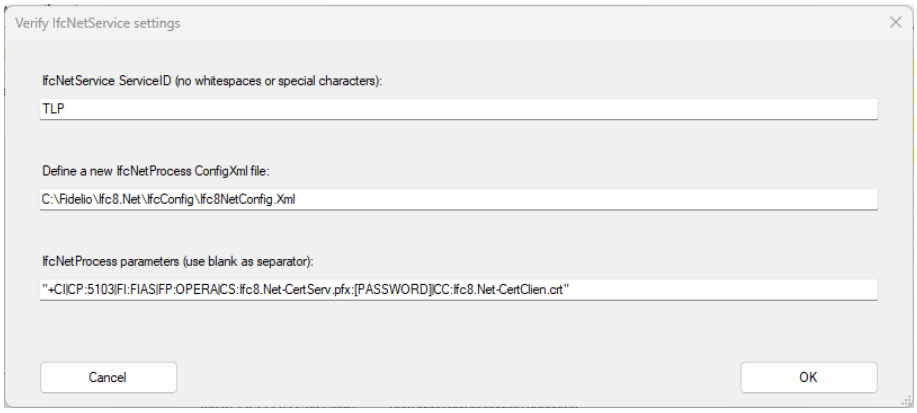
Next the Service destination folder is defined.



This can be any folder you choose. Using the “Make New Folder” one can define the location and tree structure as one wishes. In this case the folder “TLP” has been created.

Verifying Ifc Service Settings

After creating / selecting the folder you wish to use a settings verification page will appear



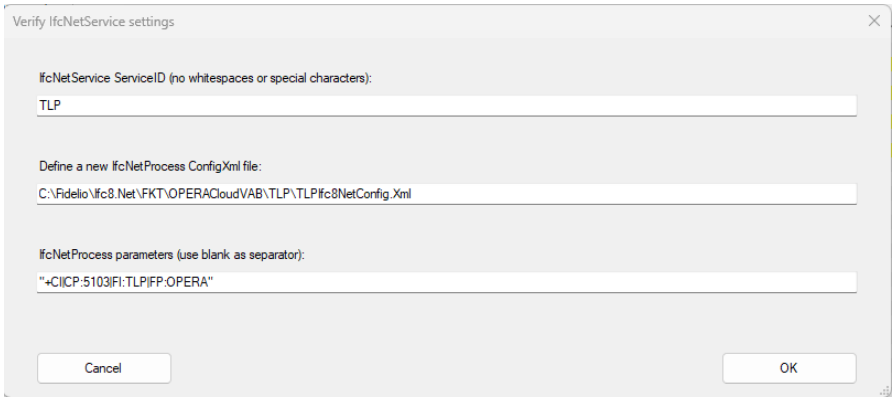
Service ID: Used to identify the Service (Usually the FKT LOGO) default is the folder name selected previously.

Config.Xml file: The absulte path & file name for the xml file that will be saved.

Parameters:

- CP: The port to communicated on. (IfcControl to Service) (Required)
- FI: Interface Object Parser (Default is FIAS) (Required)
- FP: PMS Object Parser: OPERA (Fix for OPERA or OPERA Cloud)
- CS: Server Certificate name with password inclosed in [ ] (Optional)
- CC: Client Certificate name (Optional)

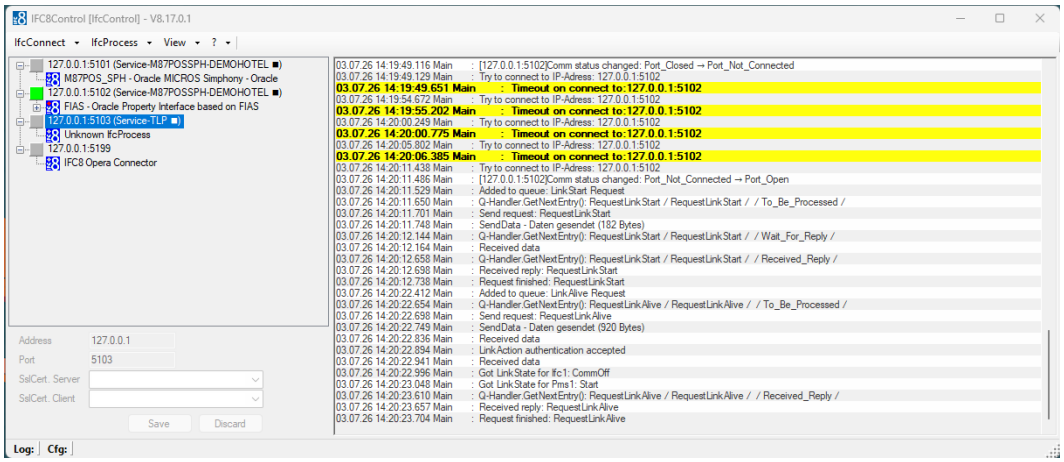
Adjust or remove the optional defaults as required, see example below the select OK.



> **NOTE**:
>
> Parameters are separated by the pipe symbol “| ”
>
> The parameter line / variables are enclosed by quotation marks “ “

Completing the Installation

Once completed the new connection / Interface will be listed like this.

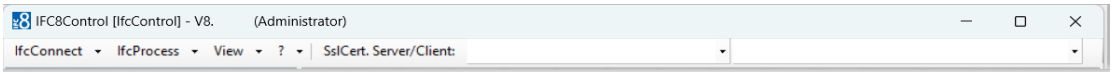


Now proceed to start the service and then the connection.

Access to configuration is now available and one can complete any configuration options that are required.

6
Menu Options

The IfcControl application has following menu options:



Menu Option	Description	Notes
IfcConnect	Options for IfcControl handling	
IfcProcess	Options for IFC8 instance action	
View	Show About / Monitoring	
?	Query Menu	
Ssl Cert. Server/Client	Set local certificate to use	Required for connections from IfcControl on remote PC

IfcConnect

Available Options

Menu Option	Description	Notes
Start Connection	Start connection to marked Ifc8 instance	Available if connection is Stopped
Stop Connection	Stop connection to marked Ifc8 instance	Available if connection is Started
Start all Connections	Start connection to all listed Ifc8 instances	
Stop All Connections	Stop specific connection to marked Ifc8 instance	
Modify Connection	Modify connection settings	Change IP address, IP port Not available for listed Ifc8.Net services Modification is only possible when IfcControl is NOT connected to this instance and Ifc instance is not assigned to an IfcService instance
Add Connection	Add new Connection to IFC8.Net instance	
Delete Connection	Remove Ifc8 Instance or service from IfcControl	

Hide Connection	Hide specific connection which shall not be displayed in this IfcControl instance	
Install as Service	Install a non-service Ifc8.Net instance as a service.	Only available if service not already installed.
Uninstall Service	Uninstall existing Service	Only available if service is installed
Add to Service	Add a non-Service Ifc8.Net instance to existing Ifc8.Net service.	
Update Selected Service	Allow updating IfcService files to related sub folder.	Only available when Service is stopped
Update All Visible Services	Update All Ifc8.Net Services on this Machine	
Get Ifc8.Net (remote) services:	Add Service Configuration from remote Machine to IfcControl instance	Only available for instances installed as service
Advanced Configuration	Access to Adv. Configuration sub-menu	See Adv. Configuration Sub-Menu description
Start Service	Start Ifc8.Net Service	Only available for instances installed as service
Stop Service	Stop Ifc8.Net Service	Only available for instances installed as service
Close	Close Ifc8Control	All connections will be stopped

NOTE:

The menu options display dynamically.

This means one will only be offered the menu options possible at any specific time.

This means:

Un-install service is only available if a Service is installed.

Start Connection is only available if the connection is stopped.

Advanced Configuration Sub-Menu

Menu Option	Description	Notes
Create Certificate	Ability to create a self-signed Certificate	See Working with Certificates
Refresh Encryption	Refresh Encryption	Refresh the key used to secure the Passwords in the configuration.
Check Registry Access	Check User has necessary rights to access registry.	Needed for Security features.

IFC Process

Available options

Menu Option	Description	Notes
Re-init	Let Ifc8.Net reinitialize its` connections	
Configuration	Access the Ifc8.Net instance Configuration editor	
Enable / Disable Config Mode (Stop Ifc)	Set/Release Ifc8.Net instance Config Mode	Dynamic menu option
Collect Logs	Collects a complete set of Logs.	A complete set of logs will be created and stored as a zip file in the ifc directory where the xml resides.
Simulation	Open Simulation form for this specific Ifc8.Net instance	Needs user authentication
Database Swap	Start Database Resynchronization	

View

Available options

Menu Option	Description
Show Logbrowser	Enable or disable IfcLogBrowser view
Show Ifc8Control log	Enable or disable internal IfcControl log monitor
Show Hidden IfcConnects	Enable or disable display of hidden Ifc Connects

About	Company Application notes / Disclaimer

Available options

Menu Option	Description
About	Company Application notes / Disclaimer
Help	Displays URL'S for support and complete Ifc8.Net documentation (All Modules)

SSL Cert. Server/Client

Option to allow connection between Ifc8Control and Ifc8.Net instances via valid SSL certificate only.

Would allow connection of IfcControl from remote PC.

Menu Option	Description	Notes
LOV Box 1	Chose Server certificate	Enter path of .crt certificate
LOV Box 2	Chose client certificate	Enter path of .pfx ertificate (requires password)

7

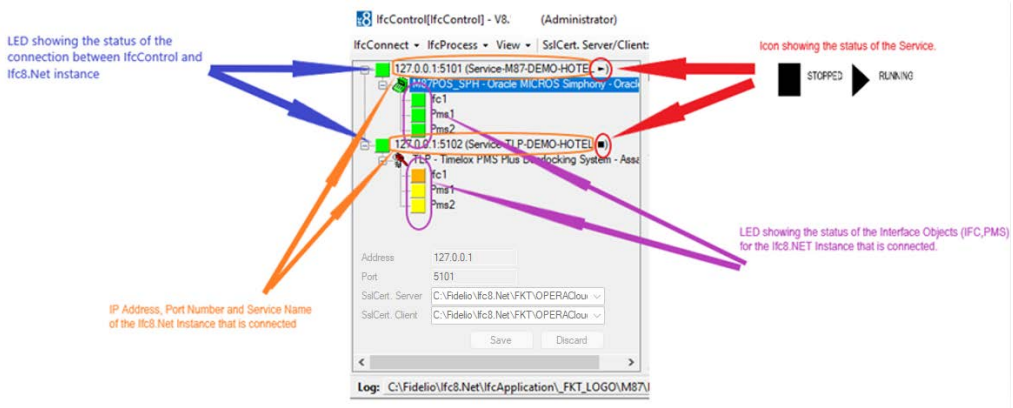
Working with Ifc8Control Form

Understanding Ifc8Control Connections

To get information about the status of the IFC instance IfcControl must have a connection to the related Ifc instance.
This will be defined by adding the connection, enter the connection IP Address and the Port as of Ifc instance Configuration.

Start Connection to let IfcControl connect to the Ifc instance.

The LED's in the tree menu show the status of the Connection of IfcControl to Ifc instance respective, when Connection is established, also the link status of each Ifc instance defined.



Ifc Control Connection status

Icon Colour	Description	Notes
Grey	Not connected	Connection stopped
Yellow	Awaiting connection	
Green	Connection established	

Ifc instance link status

Icon Colour	Description	Notes
Red	Not connected	LinkEnd mode
Yellow	Awaiting connection	LinkStart mode
Orange	Not connected + Comm Async	Link End mode
Green	Link established	LinkAlive mode

Without IfcControl connection to the Ifc instance, no Ifc status information is available.

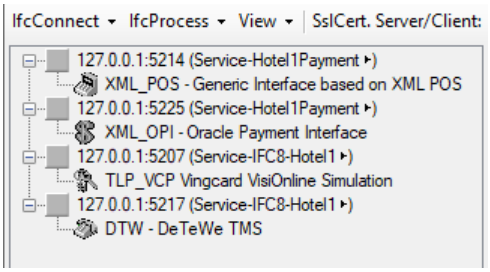
Ifc Service status

Icon	Description
▶	Status Service started / running
■	Status Service stopped
▮▮	Status Service paused

> **NOTE**:
>
> Even the Ifc Service is in status started / running it does not mean that the linked Ifc process is also started and running.

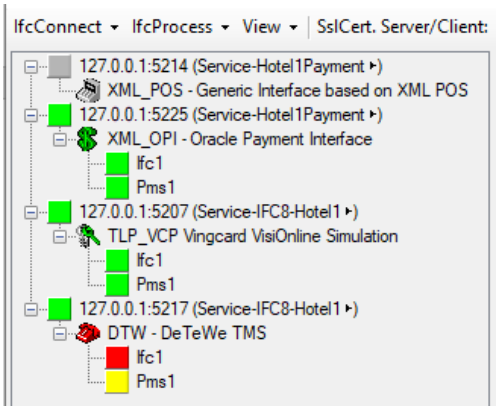
Status Examples

Example 1



When starting IfcControl tool all defined connections will be shown, but without current Ifc link status.

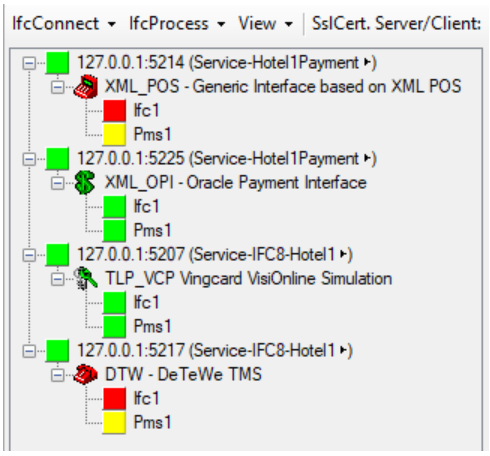
Example 2



The first Connection does not show any Ifc status information as IfcControl has not connected with this Ifc instance.

IfcControl has connection to the other three instances, two of them are properly initialized with the vendor system, one has no connection with the vendor system.

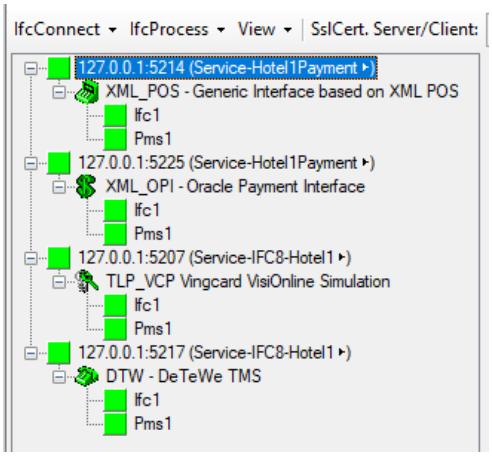
Example 3



IfcControl has connection to all defined Ifc instances.
The first and the last Ifc instance are not connected with the vendor, thus show the red and yellow link status.

The second and third Ifc instance are properly connected with the vendor system and the PMS.

Example 4



IfcControl has connection to all defined Ifc instances.

All Ifc instances are properly connected with the vendor system and the PMS.

Connecting to an IFC Instance

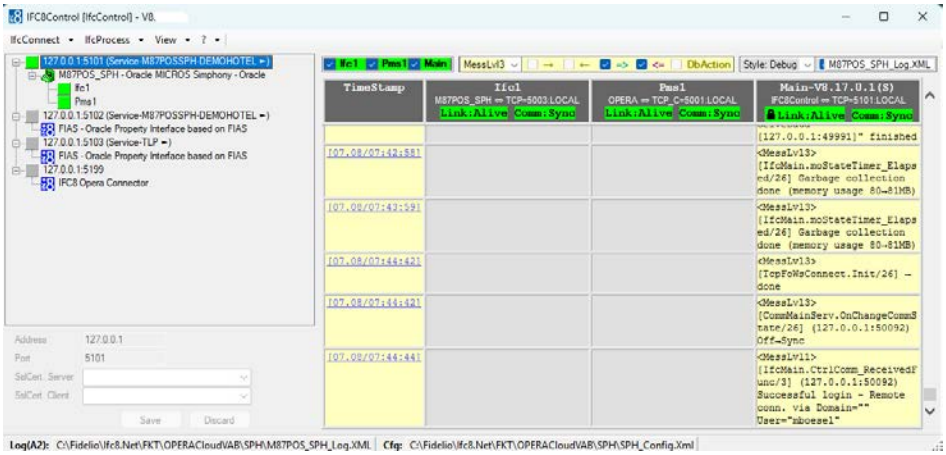
Start Connection

To start to connect to a specific IFC8 instance select the IfcConnect Menu or right-click on the IP address of the connection and then select Start Connection

At very first connection after creation of a connection authentication is required by entering the local Windows user (user of IFC PC) credentials.

Authenticate with local Windows user.

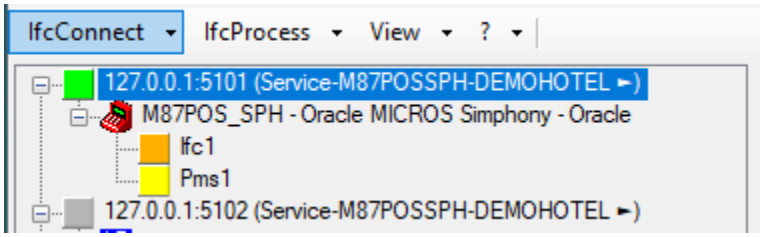
When connection to Ifc8 instance via defined port is successful then the Ifc8 monitoring will appear showing current communication and status



Also, on the left side in the connection tree following happens:

1. The Name of the Ifc8 instance will be shown

2. The IFC and PMS objects will be shown
3. The instance icon and the IFC object icons will be red, yellow or green colored depending on the Ifc8 instance link status.



Ifc instance link status

Icon Colour	Description	Notes
Red	Not connected	LinkEnd mode
Yellow	Awaiting connection	LinkStart mode
Orange	Not connected + Comm Async	LinkEnd mode
Green	Link established	LinkAlive mode

When the PMS and the vendor system are properly connected to IFC8 the status icons in IfcControl will become green and the monitoring status shows proper connection.

Remember that the status of the Ifc instance on the left side of the IfcControl form will only show when IfcControl relates to the Ifc8 instance it relates to.
The Ifc8 instance monitoring is always present, even IfcControl has no connection to the Ifc8 instance.

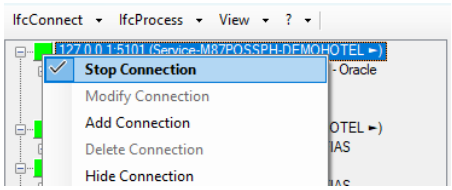
Stopping Connection

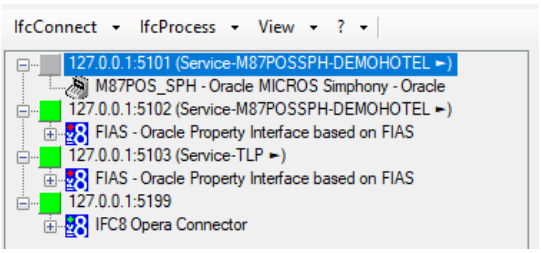
While the IfcControl has established connection to the IFC8 instance it is not possible to modify or delete a connection configuration.

In case of necessary changes first stop the connection with the instance.

For this select the IfcConnect menu or right-click on the connection to stop and then select Stop Connection.

Stop Connection only means that the Connection of IfcControl with the IFC8 instance will be stopped/closed. The IFC8 instance itself will remain in its connection status with PMS / vendor.



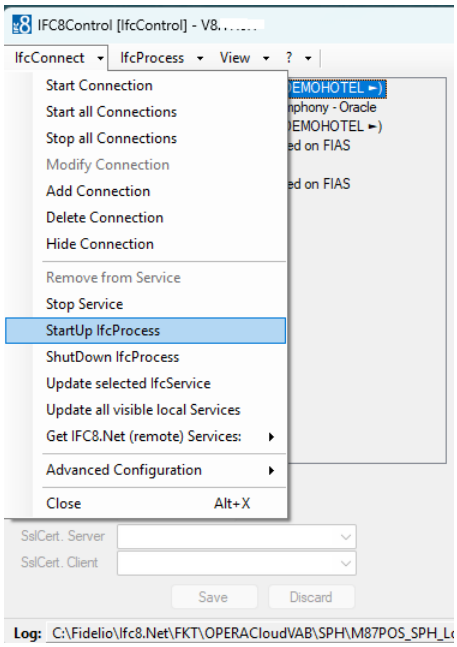


Starting and Stopping Individual Interfaces

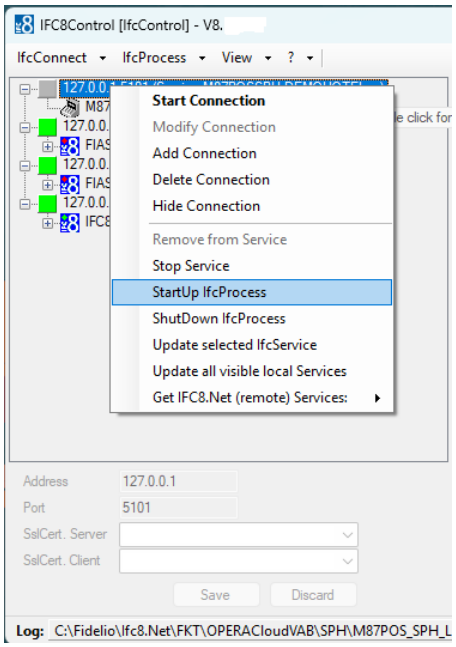
Starting Individual Interface

To start individual interfaces, mark the Interface and through the Ifc Connect menu select StartUp IfcProcess or right-click on the Interface and select Start IfcProcess.

Via IfcConnect

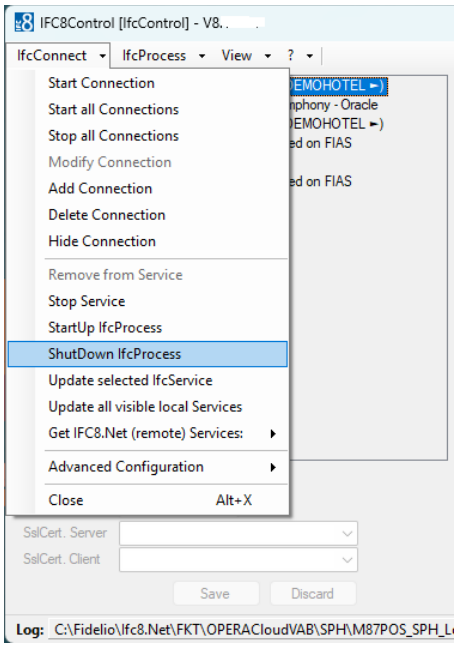


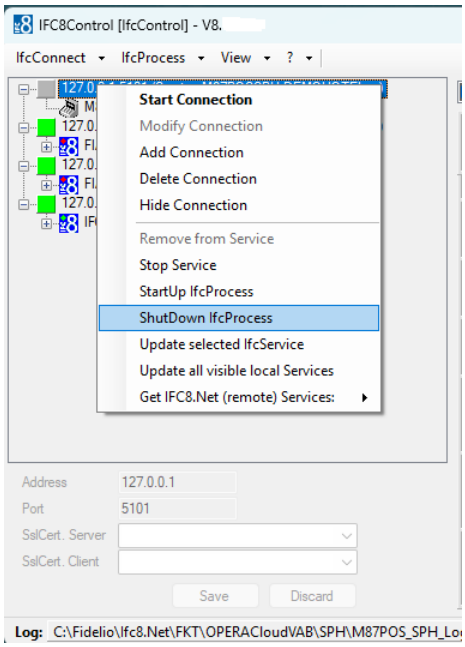
Via Right Click



Stopping Individual Interface

To stop individual interfaces, mark the Interface and via the IfcConnect menu select ShutDown IfcProcess or right-click on the Interface and select ShutDown IfcProcess.





Starting and Stopping Individual Remote Interfaces

> **NOTE:**
>
> To execute this remotely the Connection must be secured by SSL (Secure Socket Layer).

Starting Individual Remote Interface

To stop individual interfaces, mark the Interface and via the IfcConnect menu select Startup IfcProcess or right-click on the Interface and select Startup IfcProcess.

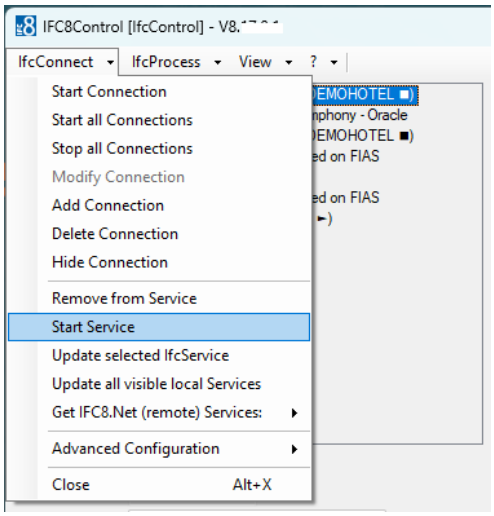
Stopping Individual Remote Interface

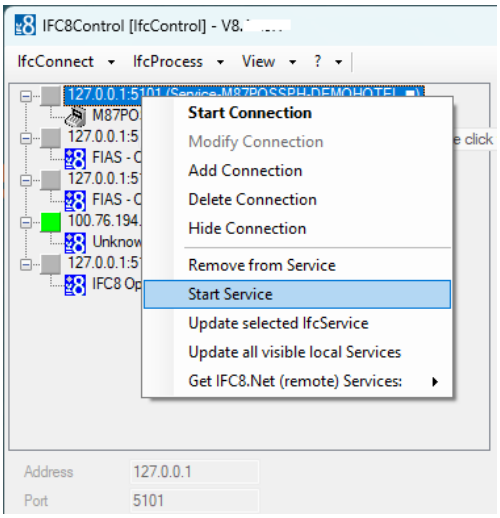
To stop individual interfaces, mark the Interface and via the IfcConnect menu select ShutDown IfcProcess or right-click on the Interface and select ShutDown IfcProcess.

Starting and Stopping Services

Starting Service

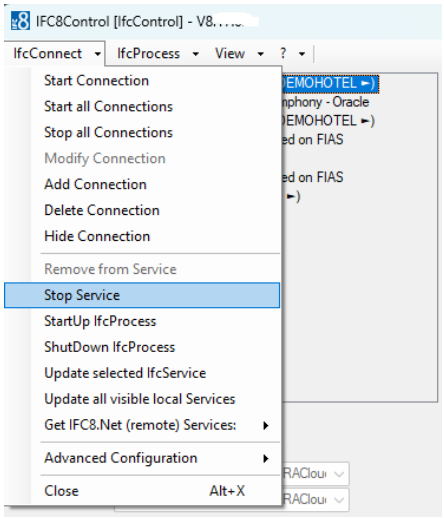
To stop individual interfaces, mark the Interface and via the IfcConnect menu select Start Service or right-click on the Interface and select Start Service

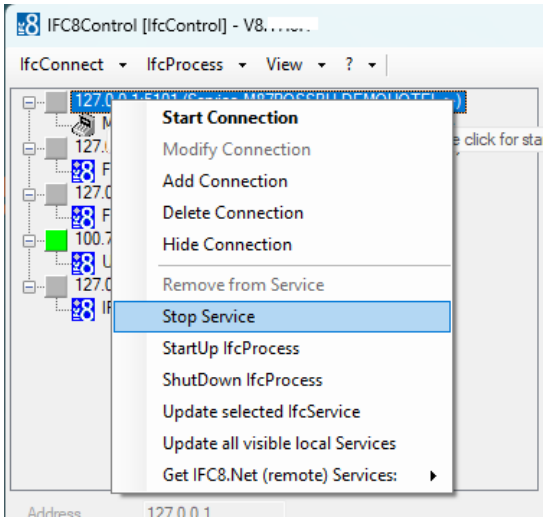




Stopping Service

To stop individual interfaces, mark the Interface and via the IfcConnect menu select Stop Service or right-click on the Interface and select Stop Service.



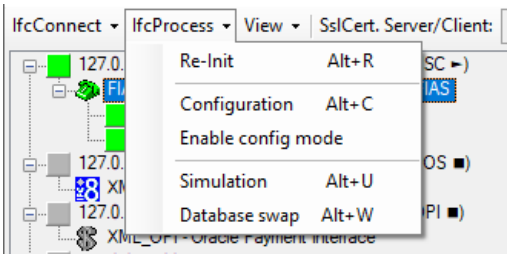


> **NOTE:**
>
> The ability to Start / Stop a remote service is controlled by the Windows domain user rights. This must be allocated to the user who wishes to do this.

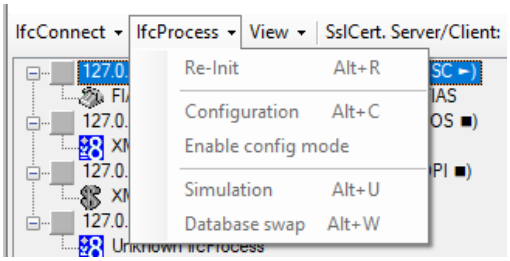
IfcProcess Options

Used to perform available action as per connected Ifc8 instance.

To use IfcProcess options requires IfcControl connection to the specific Ifc8 instance.



Ifc Process options are not available when IfcControl is not connected to the Ifc instance.



The following are available options:

Re-Init

1. Select Re-Init option to disconnect IFC instance from current connections and perform internal initialization.
2. Use the Re-Init option to restart an Ifc8 instance without need to shut down the application or stopping the Ifc Service.

Configuration

1. Select Configuration option to access the Configuration Editor if the specific Ifc8 instance running either as Service or as application.

2. Access to the Configuration requires user authentication with local Windows user credentials.

Enable Config Mode

1. Select Enable Config mode option to set the current Ifc8 instance into Configuration mode for longer configuration changes.
2. Config mode will disable any connections from or to Ifc8 instance.
3. Select Disable Config mode option to set current Ifc8 instance back to status to allow connections from and to Ifc8 instance.

Simulation

1. Select Simulation option to access the internal IFC8 simulation module.
2. Access to the Simulation module requires user authentication with local Windows user credentials.

Database Swap

1. Select Database Swap option to start a Data Resync process for the specific Ifc8 instance.
2. Use this option to start a DataResync process for IfcService instances or for IfcApplications running on remote Server.

IfcProcess and View Options on a Remote Machine

To execute IfcProcess Options on a Remote Machine.

The following pprerequisites must be fulfilled:

1. Win User with local admin rights to the remote Machine.
2. A secure SSL connection from the IfcControl to the Ifc8.Net Instance
3. The Remote Registry Service must be activated on the remote Machine

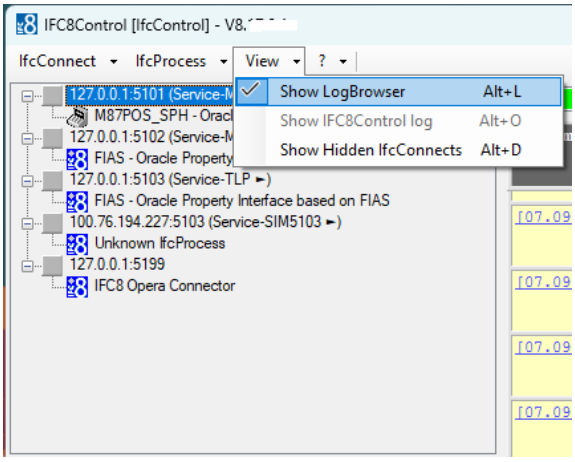


Viewing Options

Menu options to disable or enable the display of current IFC8 communication or to display hidden connections.

Showing LogBrowser

1. Enable or disable displaying the current IFC8 LogBrowser Monitoring.
2. Select the “View”- Menu and then select “Show LogBrowser”.

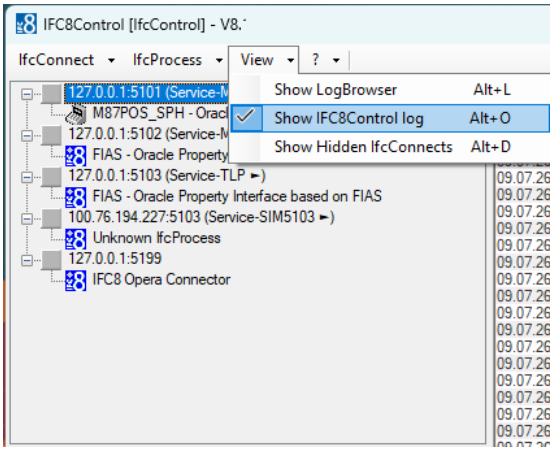


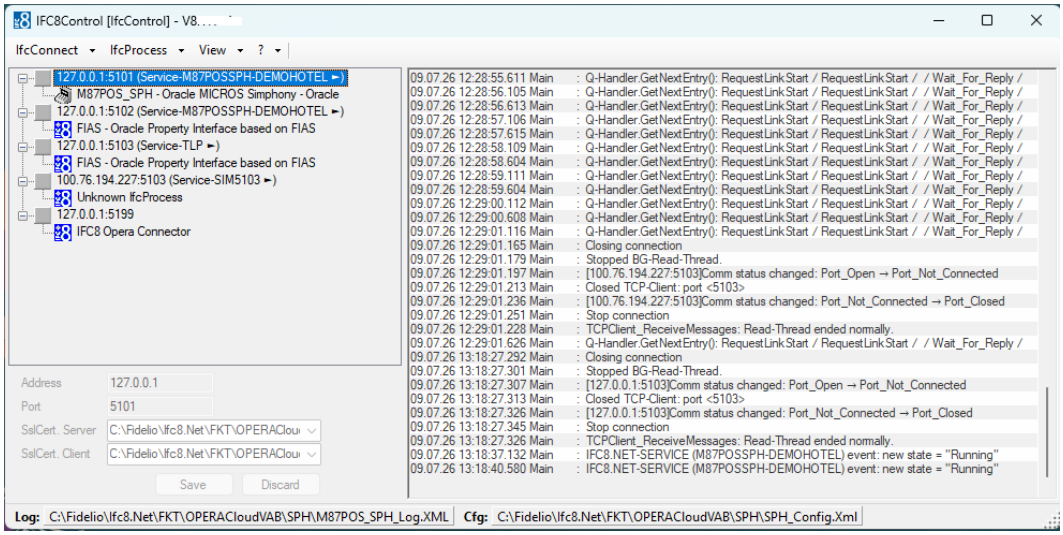
By default, the Ifc8.Net instance monitoring window is enabled once IfcControl has initial connection to the Ifc8.Net instance.

Unchecking the Show LogBrowser menu will either show no monitoring or the internal IfcControl log – when it is marked to display.

Showing IfcControl log

1. Enable or disable displaying the internal IfcControl log.
2. Select the “View” – Menu and then Select “Show IfcControl log.





NOTE:

This is only possible when Show LogBrowser option is unchecked.

Unchecking the Show IfcControl log will show no monitoring.

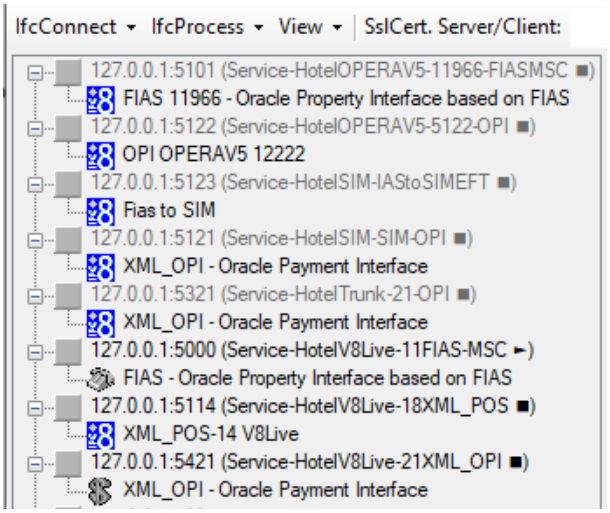
Showing Hidden IfcConnects

Displays all IfcConnections marked as “hidden” for this IfcControl instance using the “Hide Connection” option.

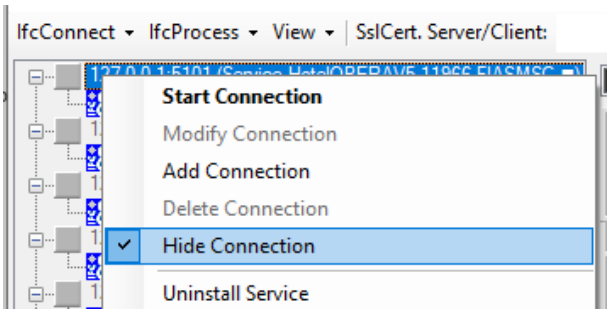
This is the only way to change back a hidden connection to unhide.

Select the Show Hidden IfcConnects to display all hidden Ifc Connections in this IfcControl instance.

Hidden IfcConnects are displayed in light grey color.



Uncheck the Hide Connection option under IfcConnect or context menu of the marked hidden Ifc Connection to show the connect in the IfcControl panel list.



Uncheck the Show Hidden IfcConnects to hide the IfcConnects marked as hidden.

About

The About option shows the legal Oracle disclaimer text for this version of IfcControl.

Help

The Help option opens a window with links to public Oracle Hospitality Interface Documentation and to Customer Support Portal for for Hospitality and Food & Beverage

8

Creating Secure Connections (SSL Certificates)

It is possible to run IfcControl tool on a remote computer (not the IFC computer) within the customer network and manage IFC instances or IFC Services installed on the IFC computer from a different computer.

Connection is only possible using SSL certificates linked in the IFC configuration and in the IfcControl configuration.

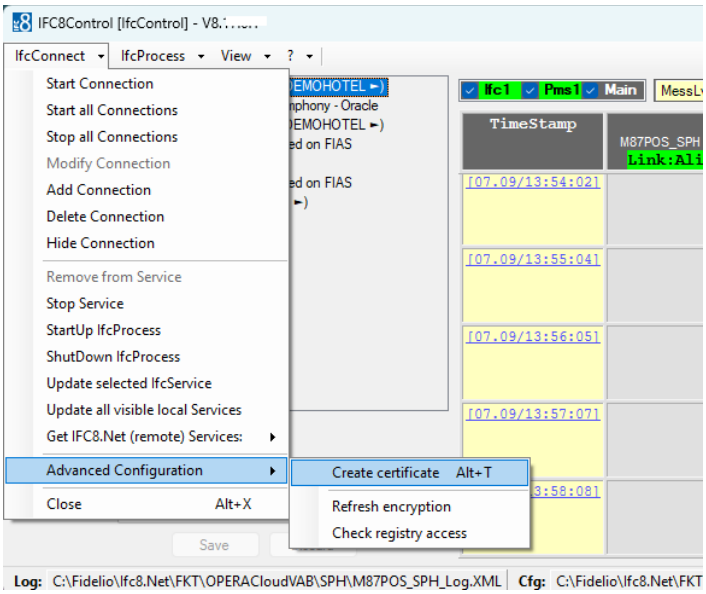
IfcControl offers one the ability to create and implement self-signed certificates.

> **NOTE:**
>
> Oracle encourages the use of certificates signed by a Certified Authority.
>
> Oracle does not accept any legal responsibility for the use of self-signed certificates, this lies with the customer. Accordingly, please verify the local legal requirements and obligations.

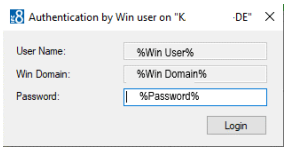
Generating Certificates

IfcControl

1. Create a Self-Signed Certificate by selecting Create Certificate from the Advanced Configuration Sub Menu.



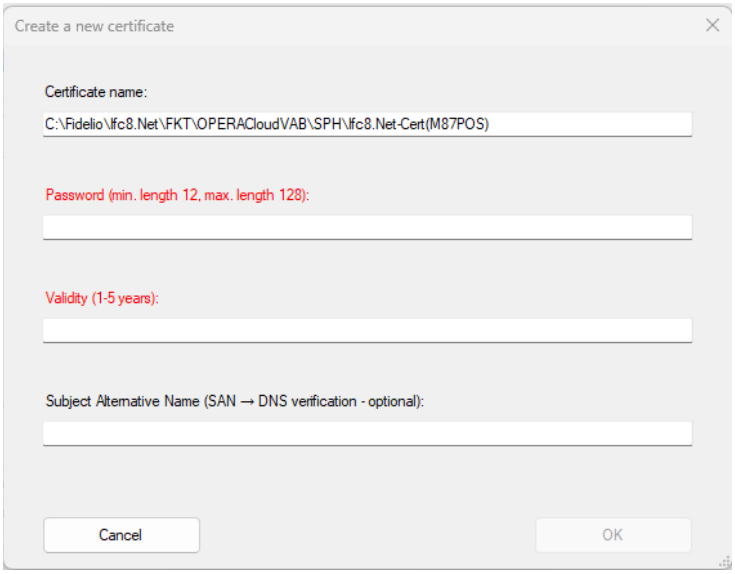
Local computer user authentication is required.



2. Enter password for the current local user logged in to the computer.

   The Create Certificate form will open to define the certificate path and name, password, and certificate validity.

   For an IfcConnect which did not have a connection with the Ifc instance the default path is the IfcControl directory and a * * place holder name.



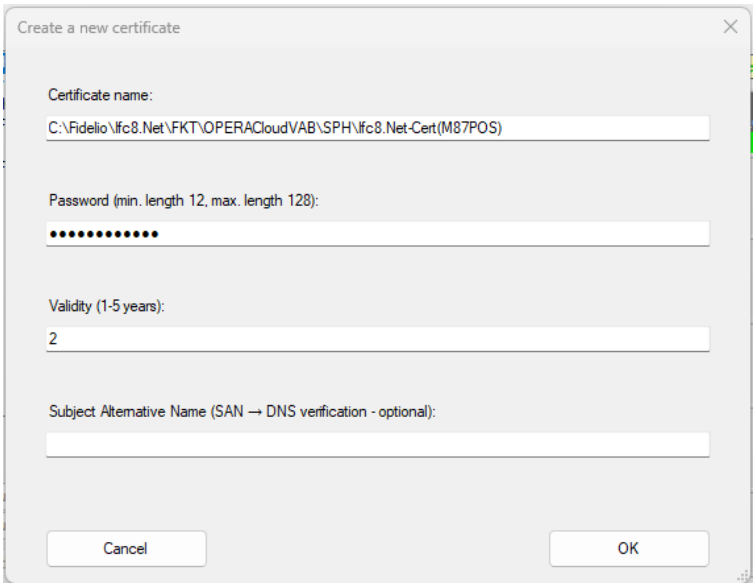
3. Adjust the directory and the certificate name as desired.

Do not take over the default certificate name.

It is not possible to create the certificate with the above default name containing the (*).

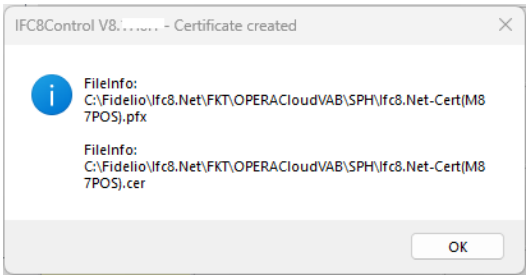
4. Enter required password.

5. Enter required certificate validity (in years).



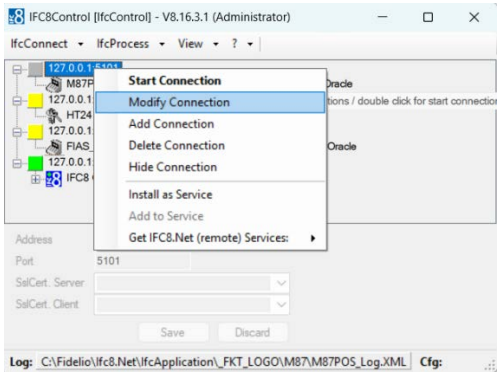
6. Click **OK**.

Certificates are generated and stored in the defined directory.

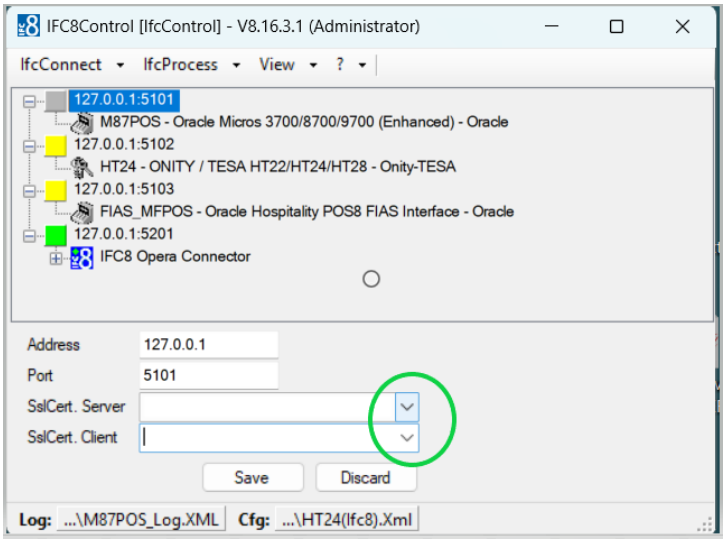


Adding Certificate to Ifc8.Net Instances and Local Ifc Control

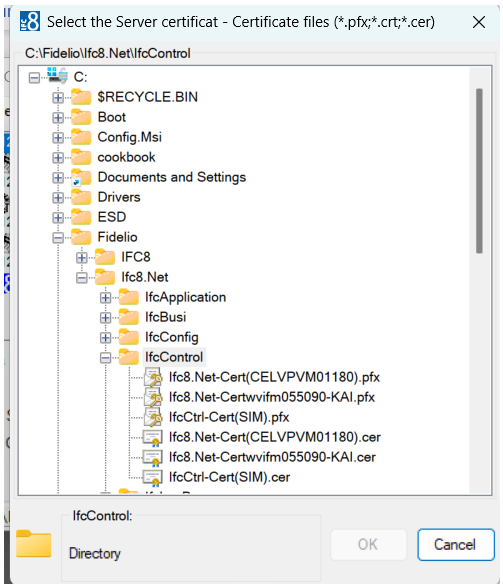
Mark the related Ifc / Ifc Control Connection and make sure the connection (and the Ifc Service) are stopped.



1. Mark the Interface in the Ifc / Ifc Control GUI and select Modify Connection
2. Select the arrow to open the select file form.



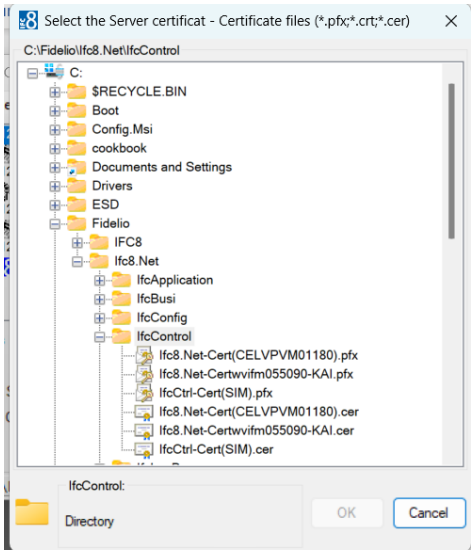
3. Choose the desired .crt certificate which has been created and click OK.



Certificate has now been linked to the Ifc connection Instance.

It is now optional to enter also the .pfx client certificate to gain mutual authentication – depending on the setup of mutual certificate in IFC instance configuration (client certificate)

4. Repeat the Process this time selecting the Ssl. Client dropdown.Select on the arrow to open the Select file form:

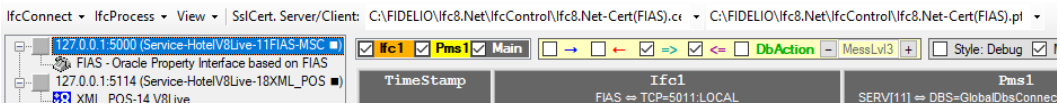


5. Enter the password generated for the certificate.
6. Click **Enter**.

   When password is correct the certificate information will be displayed in red.

   When password in incorrect related message will display.
7. Select **OK** to confirm the choice.

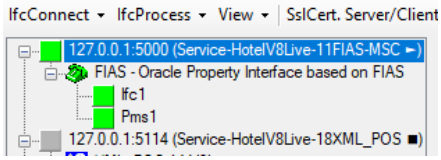
   (Select **Cancel** to close without change.)



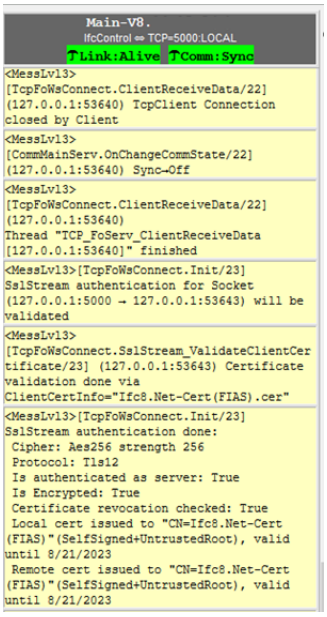
Second certificate has now been linked to the Ifc connection Instance.

8. Double-click on the defined Ifc Connection to see if certificate and password are valid for this connection.

   If Ifc Connection is linked to a IfcService first start the Service.



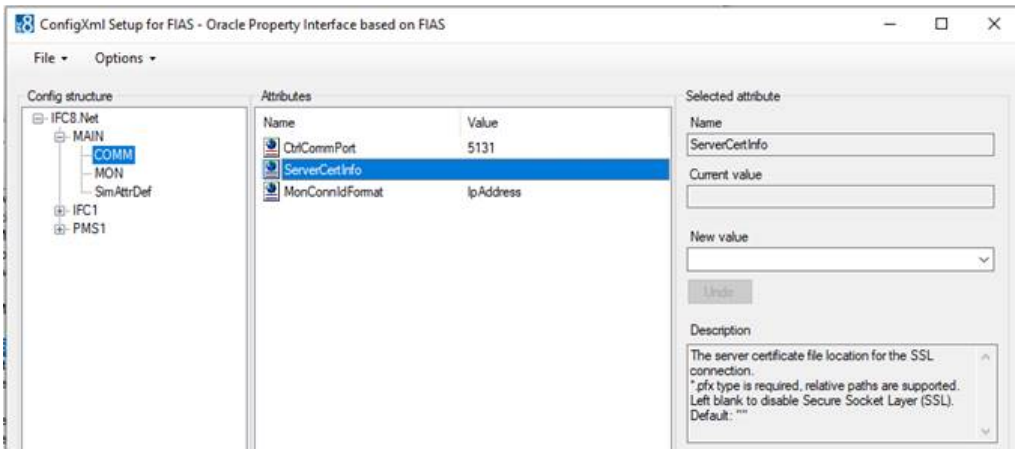
In the MAIN log you can see the validation of the certificate being correct (or not).



Repeat the above on the remote IfcControl application.

Adding a Certificate to IFC8.Net Instance

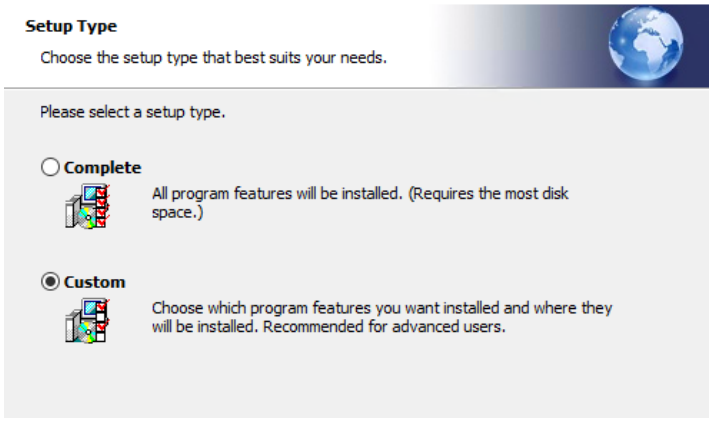
The *.pfx certificate is added to the IFC8.Net configuration in the MAIN->COMM section.

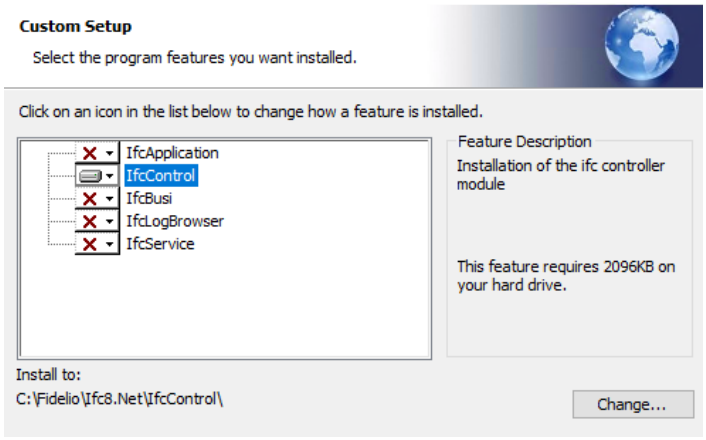

ConfigXml Setup for FIAS - Oracle Property Interface based on FIAS
File
Options
Config structure
IFC8.Net
MAIN
COMM
MON
SimAttrDef
IFC1
PMS1
Attributes
Name
Value
CtrlCommPort
5131
ServerCertInfo
MonConnIdFormat
IpAddress
Selected attribute
Name
ServerCertInfo
Current value
New value
Undo
Description
The server certificate file location for the SSL connection.
*.pfx type is required, relative paths are supported.
Left blank to disable Secure Socket Layer (SSL).
Default: ""

9

Installing IfcControl on Remote PC

Use the Ifc8.Net Install wizard and choose Custom Setup to only install the IfcControl tool.



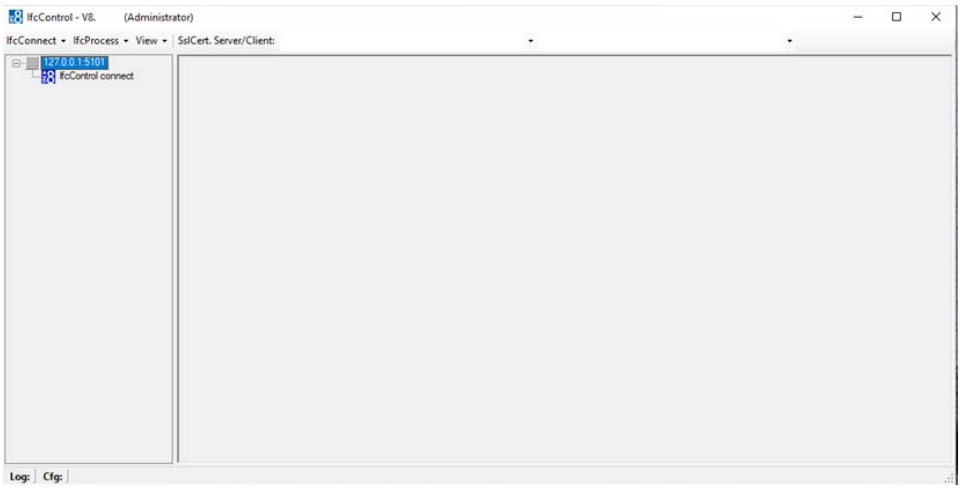


Example where only IfcControl shall be installed.

Execute the installation and after finishing, close the wizard.

Start IfcControl.exe as administrator from out the IfcControl directory.
It is recommended to create a shortcut which will start as administrator.

IfcControl executes.



It generates a default connection record you can now use.

Configuring the Remote IfcControl

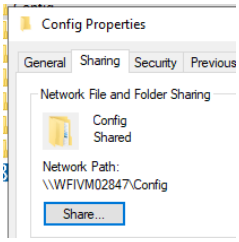
Requirement

Ensure you have created a valid network connection to the the local IFC PC.

Local IFC PC has windows share drive activated for the IFC Configuration and log paths.
example folder

```
c:\fidelio\Ifc8.Net\Config\FKT1\
c:\fidelio\Ifc8.Net\Config\FKT2\
c:\fidelio\Ifc8.Net\Config\FKT3\
```

Folder Config has an active share.



An active network share between IfcControl PC and IFC PC

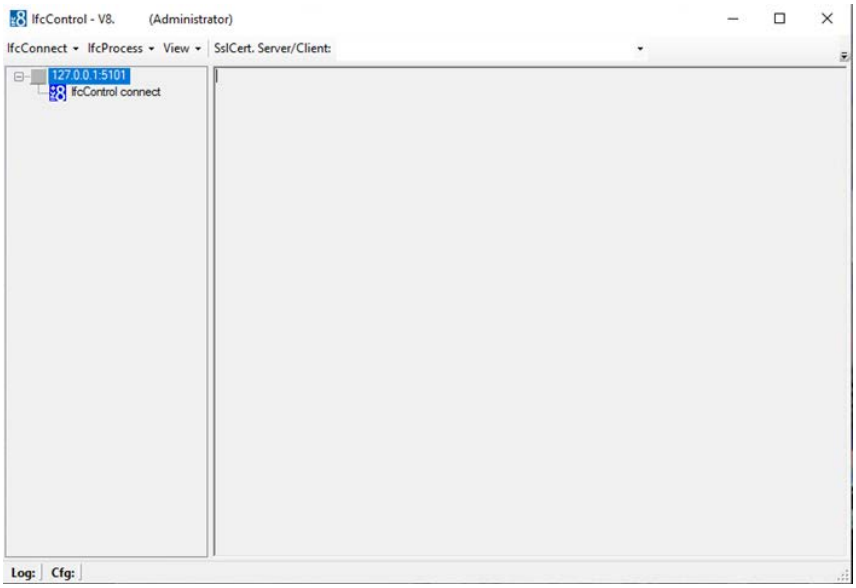
(A pair of) certificates between IfcControl and local IFC8.Net instance

Configuration

1. Execute `IfcControl.exe`

   IfcControl will open with a default connection to 127.0.0.1 Port 5101.

2. Select IfcConnect / Modify connection.

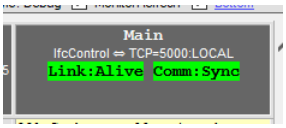


3. Enter the IP Address or DNS name and Connection IP port for the desired IFC instance on the host PC.

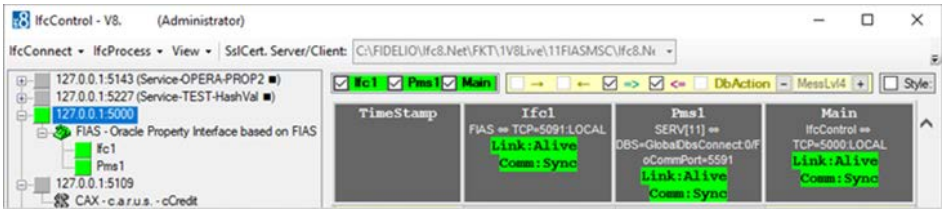
How to find the Connection IP Port?

On the IFC PC check for the IP port defined for the IfcControl connection.

This is shown in the Logbrowser of the related IFC instance in Main log header

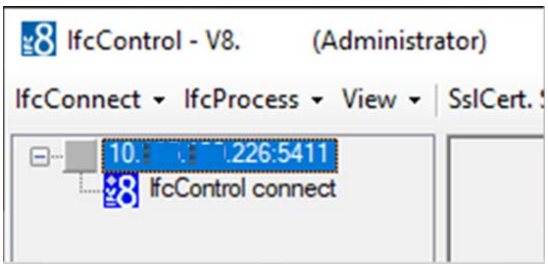


or in local IfcControl tool on the IFC PC – if already configured.

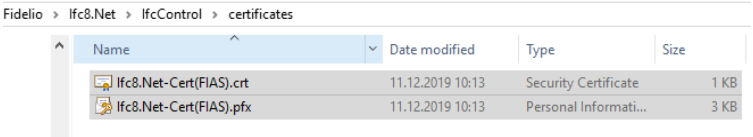


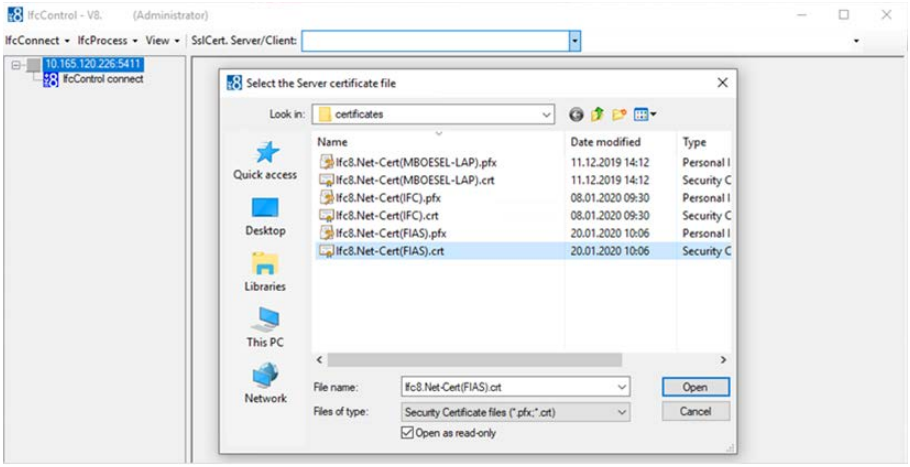
Here = 5000

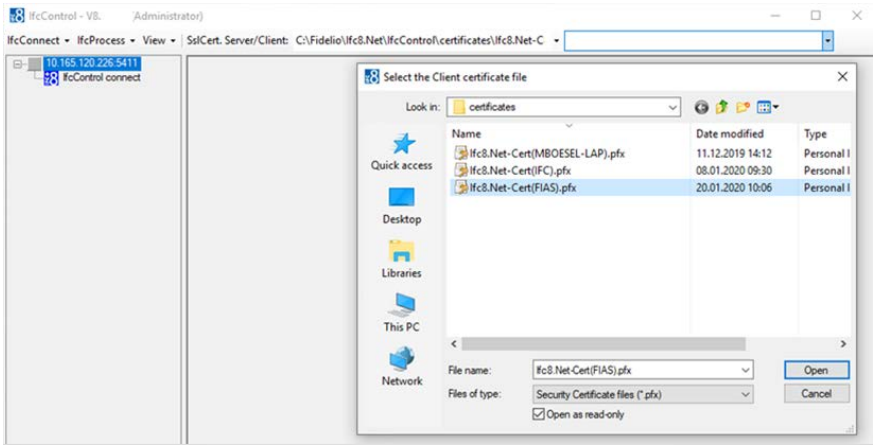
Final entry should look like this:

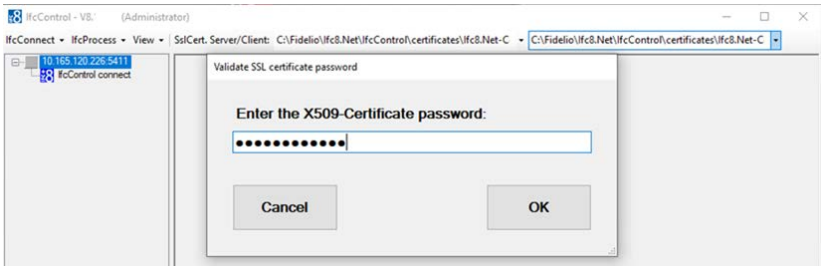


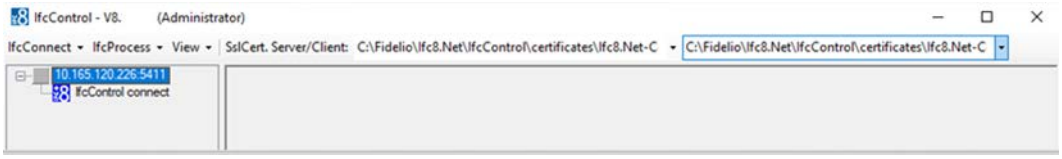
4. Add the certificates to this connection as shown above.
5. Copy both certificates to the remote PC and store them in a defined directory



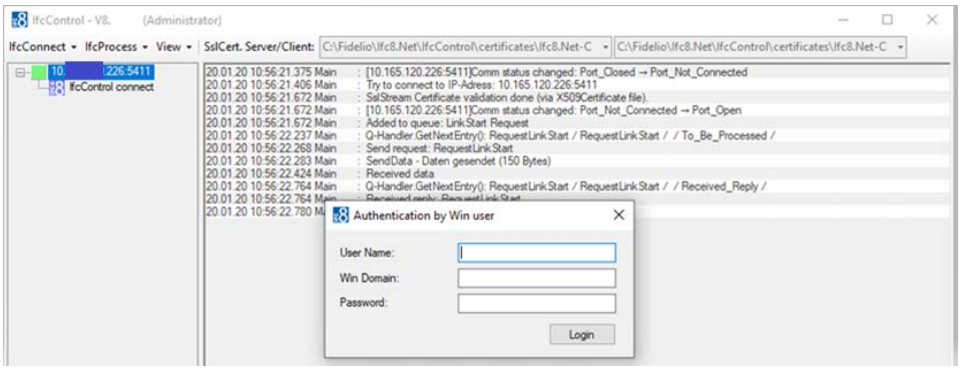




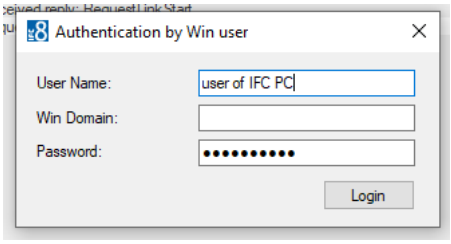




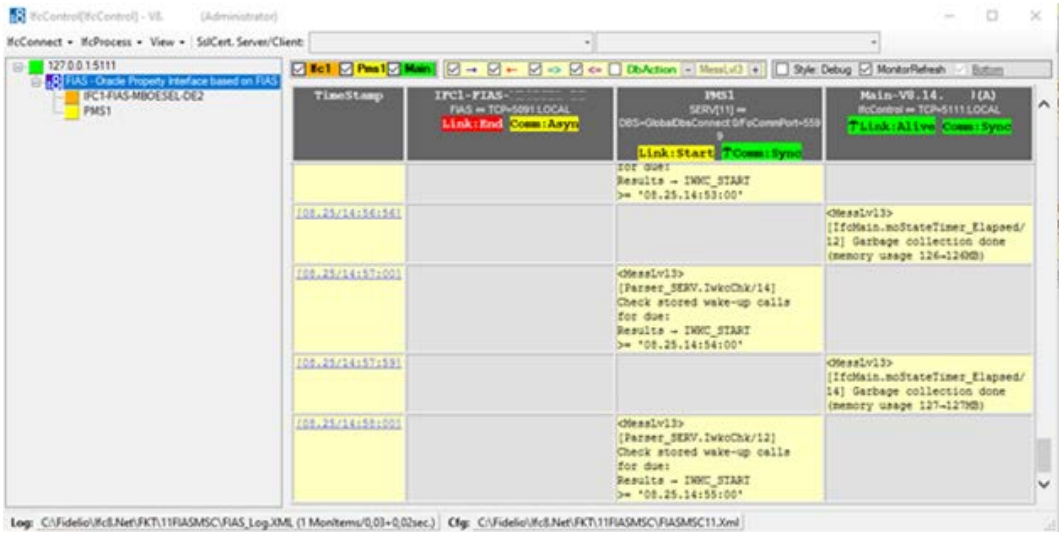
6. Start the connection by double clicking the connection on the left menu.



When connection to the host PC is possible the user must authenticate connection once with the windows user and password of the host PC.



In case the log file and config file are accessible (through providing a proper network connection / share) the remote IfcControl will display the current logfile browser and the link status of the interface instance (left side).



10

Multiple IfcControl Instances

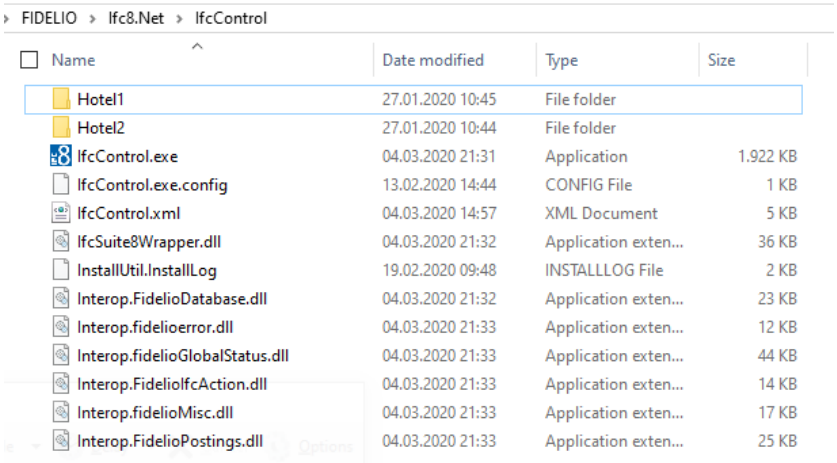
It is possible to install multiple IfcControl instances on the same PC.

When the customer wants to run multiple interfaces of multiple properties on one PC it might be useful to separate the interface instances in separate IfcControl applications as to have better overview.

To create another IfcControl instance there are two options:

Multiple IfcControl Directories

Copy the whole \IfcControl directory with its containing files and give it a different name – for example the Property Name or code.

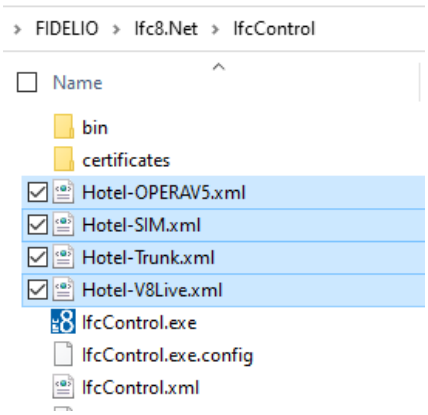


In IfcControl application header will display the folder name so one can differentiate between the applications.



Multiple IfcControl Configuration Files

1. Create multiple IfcControl configuration files (IfcControl.xml) and name them as per property or chain.
2. Configure them separately only with the desired IFC Connections.
3. Use the Hide Connection option for not displaying IfcService connection for other properties or chains.



4. Start the related IfcControl instance as per Shortcut linked with the related Configuration file.

