Oracle® Hospitality Hotel Property Interface IfcControl User Guide



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ORACLE

Oracle Hospitality Hotel Property Interface IfcControl User Guide Release 8.14.12.1

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Preface

Purpose

This guide explains the common handling of the Ifc8.Net IfcControl 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 My Oracle Support at the following URL:

https://support.oracle.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
- Screenshots 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
December 2020	8.14.9.0 Initial Publication
September 2021	Review of document and relevance for 8.14.12.0
September 2021	Review of document and relevance for 8.14.12.1
October 2021	 Corrected table title overlap in image - format only, pg 17.
October 2021	Added section Adding Certificate to IFC8.Net

1 General

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

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

The IfcControl 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 IfcControl application.



2 Installing and Uninstalling IfcControl

Installing IfcControl

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

1. Run the IFC8.Net installer.



2. Click Next.



3. Click Next.





4. Choose Custom and click Next.

Oracle Hospitality Custom Setup Select the program	Property Interfact	e V8.14. 🗆 - Insta nstalled.	II Wizard	
Click on an icon in the	list below to change plication htrol ii Browser vice	e how a feature is i	nstalled. Feature Descripi Installation of th module	tion e ifc controller
			This feature required your hard drive.	uires 2008KB on
nstall to: ::\Fidelio\Ifc8.Net\Ifc stallShield	Control\			Change
Inte	C			1

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

5. Click Next.

Property Interface V8.14	I Ins	tall Wizard	×
Ready to Install the Program			
The wizard is ready to begin installation.			
Click Install to begin the installation.			
If you want to review or change any of your i exit the wizard.	installatio	n settings, dick Bad	k. Click Cancel to
InstallShield			
A For Gallion House	< Back	Install	Cancel

6. Click **Install** to proceed with the installation.



7. Click Finish to close the installer

After installation you can find the related files in the c:\Fidelio\lfc8.Net\lfcControl folder:

System (C:) > FIDELIO > Ifc8.Net > IfcControl				
Name	Date modified	Туре		
8 IfcControl.exe	10.07.2019 21:31	Application		
IfcControl.exe.config	13.06.2018 09:49	CONFIG File		
IfcControl.xml	09.01.2019 05:30	XML Document		
IfcSuite8Wrapper.dll	10.07.2019 21:33	Application extens		
Interop.FidelioDatabase.dll	10.07.2019 21:33	Application extens		
Interop.fidelioerror.dll	10.07.2019 21:33	Application extens		
Interop.fidelioGlobalStatus.dll	10.07.2019 21:33	Application extens		
Interop.FideliolfcAction.dll	10.07.2019 21:33	Application extens		
Interop.fidelioMisc.dll	10.07.2019 21:33	Application extens		
🚳 Interop.FidelioPostings.dll	10.07.2019 21:33	Application extens		

IfcControl File Description

File Name	Description	Notes
lfcControl.exe	Application executable	
IfcControl.exe.config	Mandatory config file	Do not delete or change
IfcControl.xml	Configuration file	Will hold settings for connection to the Ifc8 instances
IfcSuite8Wrapper.dll	Mandatory file	Suite8 only (will always be deployed)
Interop.xxx.dll	Mandatory files	Suite8 only (will always be deployed)

Uninstalling IfcControl

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

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

3 Handling

Starting IfcControl

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



In case Ifc8.Net instances are installed as service (only services installed via Ifc8.Net). IfcControl will detect these services and will display them at startup.

IfcConnect • IfcProcess • View • SslCert.	Server/Client: •	
ffcConnect + lfcProcess + View + SslCert.	Server/Client:	
<		
ConfigXml: C:\FIDELIO\Ifc8.Net\FKT\Hotel1\	KML_POS\14XML_POS.Xml	

🔍 Services (Local)				
IFC8.NET-SERVICE (IFC8-Hotel1)	Name	Description	Status	Startup Type
	IFC8.NET-SERVICE (Hotel1Payment)	IFC8.NET-SERVICE (Hotel1Payment)		Manual
Start the service	IFC8.NET-SERVICE (IFC8-Hotel1)	IFC8.NET-SERVICE (IFC8-Hotel1)		Manual
	🧠 IKE and AuthIP IPsec Keying Modules	The IKEEXT service hosts the Internet Key Exch	Running	Automatic (T

Issues Starting IfcControl

In certain cases, it happens that the IfcControl module does not start. Following are some reasons:

Missing Log Files

In case the log files of an Ifc8 instance which is configured in IfcControl are not available (e.g. they have been removed and Ifc8 instance is not running since) IfcControl will start with an error message:



If cControl start and will display the LogBrowser, for example, for the first Interface it can load the logfiles.

In the below example, the second IFC connect cannot load the monitoring due to missing log files.

When you select this IFC connection the error message occurs again:



Instead of the IFC8 monitoring view, IfcControl will now show the IfcControl monitoring with the related error message(s)

IfcConnect + IfcProcess + View + SslCert. Server/Client	•	•			
	29.08.19 08:01:09.948 Main 29.08.19 08:03:53.096 Main	: Error on opening Lo : Error on opening Lo	gFile "C:\FIDELIO\lfc8.N gFile "C:\FIDELIO\lfc8.N	et\FKT\IFC\FIASMSC11\FIAS et\FKT\IFC\FIASMSC11\FIAS	Log.XML" with LogBrowser

In this case, start the related Ifc8 Instance / Ifc8 Service, so that Log files will be created.

Then refresh the screen by clicking on another IFC connect and returning to the IFC connect which had the error message. The LogBrowser will be shown now.

IfcConnect - IfcProcess - View - SsICert. Server/Clien	t	• •
□	<mark>lfc1 ∕ Pms1</mark>	Main 🗹 → 🗹 ← 🗹 => 🗹 <= 🗋 DbAction - MessLv/3 + □ Debug Style 🗹 MonitorRefresh 🗸 <u>Bottom</u>
127.0.0.1:5000	TimeStamp	Pms1
FIAS - Oracle Property Interface based on FIAS		SERV[11] ↔ DBS=GlobalDbsConnect:0/FoCommPort=5511 Link:Start Comm:Sync
Pms1	108.29.08:07:401	StartUp
□127.0.0.1:5121	[08.29.08:07:45]	<messlvl3>[ParserMain.Init_Parser/1] Parser_SERV -> True</messlvl3>
127.0.0.1.5207	[08.29.08:07:45]	<messlvl3>[ProtocolMain.Init/1] Protocol_SIM -> True</messlvl3>
	108 29 08+07+451	<pre>/MegeLullos(CommDhe Init Specific/11 _ done</pre>

To avoid the above issue, ensure that the following log files will never be removed from the Ifc8 instance folder:

🗹 🛃 SIM_Log.evt
SIM_Log.XML
SIM_Log.xsl

Missing IfcControl Config file

In case there is no IfcControl.xml available in the \IfcControl folder a warning message will pop up:



Click **OK** to start IfcControl with a new IfcConfig.xml file.

Menu Options

The IfcControl application has the following Menu options:

lfcConnect - lfcProcess - View - SslCert. Server/Client

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

•

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IfcConnect

Available Options

Menu Option	Description	Notes	
Start Connection	Start connection to marked Ifc8 instance		
Start all Connection	Start connection to all listed Ifc8 instances		
Stop Connection	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 the 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		

Menu Option	Description	Notes	
Hide Connection	Hide specific connections which shall not be displayed in this lfcControl instance		
Install as Service	Install a non-service Ifc8.Net instance as a service		
Add to Service	Add a non-Service Ifc8.Net instance to the existing Ifc8.Net service		
Remove from Service	Remove an Ifc8.Net instance from the existing Ifc8.Net Service	Only available for instances installed as service	
Uninstall Service	Uninstall marked service		
Check for Update IfcService	Allow updating IfcService files to the related subfolder	Only available when Service is stopped	
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	
StartUp IfcProcess	Start specific IfcProcess for installed IfcService	Will not start the IfcService but corresponding IfcProcess	
ShutDown IfcProcess	Shutdown specific IfcProcess for installed IfcService	Will not stop the IfcService but corresponding IfcProcess	
Create Certificate	Create a certificate for secure connection to the Ifc instance	Required when IfcControl running on remote PC	
Close	Close IfcControl	All connections will be stopped	

The menu options get displayed dynamically – related to the type of Ifc8.Net instance and status of Ifc8.Net connection or IfcService.

IfcProcess

Available Options

Menu Option	Description	Notes	
Configuration	Access the lfc8.Net instance Configuration editor	Needs user authentication	
Enable Config Mode	Set Ifc8.Net instance into Config Mode		
Disable Config Mode	Disable Ifc8.Net instance from Config Mode		
Re-init	Let Ifc8.Net reinitialize		
Simulation	Open Simulation form for this Needs user authentic specific Ifc8.Net instance		
Database Swap	Start DataResync		

View

Available Options	Avai	lable	Optior	າຣ
-------------------	------	-------	--------	----

Menu Option	Description	Notes
Show Logbrowser	Enable or disable IfcLogBrowser view	
Show IfcControl log	Enable or disable internal IfcControl log monitor	
Show Hidden IfcConnects	Enable or disable the display of hidden Ifc Connects	
About	Company Application notes / Disclaimer	

SslCert. Server/Client

Option to allow connection between IfcControl and Ifc8.Net instances through valid SSL certificate only.

Would allow connection of IfcControl from remote PC.

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

IfcControl Form

Understanding IfcControl 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
н	Status Service paused

NOTE:

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

Status Examples

Example 1:



When starting the IfcControl tool all defined connections will be shown but without the 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.

If cControl has a 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 a connection to all defined Ifc instances.

The first and the last lfc instance is not connected with the vendor, thus show the red and yellow link status.

The second and third lfc instances are properly connected with the vendor system and the PMS.

Example 4:



IfcControl has a connection to all defined Ifc instances.

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

Configure Connection

Besides automatically added IFC8 Service instances it is possible to add Ifc8.Net instances not installed as service to the IfcControl panel.

If no lfc8.Net services are detected lfcControl starts with a default lfc8 instance connection setting.



Default entry:

IP = 127.0.0.1 (local PC)

Port = 5101 - the IP port the IfcControl can connect to the IFC8.Net instance.

The IP port setting must match the Port configuration in IFC8.14 Config.xml MAIN – COMM CtrlCommPort

In the Ifc8 instance, the default IP port is always = 5101

ConfigXml Setup for XML_POS -	Generic Interface based on XN	IL POS		-	×
Config structure	Attributes		Selected attribute		
E-IFC9	Name	Value	Name		
It⊂ I	CtrlCommPort	5101	CtrlCommPort		
MAIN GlobalDbsConnect0 SimAttrDef	CtrlCommTcpDns	N	Current value 5101		
- COMM - MON			New value 5101 Undo		 ~

When multiple IFC8 instances are created on one PC, ensure that each IFC8 instance has a unique IP Port defined.

IfcConnect Options

Modifying Connection

1. To change the configuration of the connection select **IfcConnect** Menu or right-click the IP Address: Port field and select **Modify Connection**.

Or

 Click into the IP address: port value and change to the desired IP address or IP port.



Connecting to IFC8 instances on the same PC does not require entering the IP address, 127.0.0.1 is sufficient.

Modification is only possible when IfcControl is not connected to this instance and the Ifc instance is not assigned to an IfcService instance.

Adding Connection:

 To add another Ifc8 instance select IfcConnect Menu or right-click on the IP address of the existing connection and select Add Connection.

Another connection is created with default IP and port settings:



IfcConnect - IfcProcess - View -
127.0.0.1:5101 127.0.0.1:5101 127.0.0.1:5102 127.0.0.1:5102 127.0.0.1:5102 127.0.0.1:5102

NOTE: IP port used will be the next available Port as taken from the existing connection.

Adjust the IP and port as needed.

Deleting Connection:

- To delete a connection mark the connection to delete, select the IfcConnect menu, or right-click on the IP Address of the connection to delete and select **Delete Connection**.
- 2. Delete connection is not available for Ifc Service connections. To delete a connection as IFC Service the Service must be uninstalled first.

Hiding Connection

- 1. To display specific lfcConnections in one lfcControl instance it is possible to hide unwanted lfcConnections.
- 2. To hide a connection mark the connection to hide, select the IfcConnect menu or right-click on the IP Address of the connection and select **Hide Connection**

Connecting to an IFC Instance

Starting Connection

- **3.** To start to connect to a specific IFC8 instance select the IfcConnect Menu or rightclick on the IP address of the connection and then select **Start Connection**.
- 4. The first connection after the creation of a connection authentication is required by entering the local Windows user (user of IFC PC) credentials.



E
108.08.19 10/23/05.183 Main 17.170 to connect to IP-Adress: 127.00.15101 108.08.19 10/23/05.198 Main 127.207.01.5101 Connected → Pot_Open 06.08.19 10/23/05.194 Main : Added to quues: Link Start Request 08.08.19 10/23/05.194 Main : OxHander GetNextEntry(): Request Link Start Request 08.08.19 10/23/05.744 Main : OxHander GetNextEntry(): Request Link Start 108.08.19 10/23/05.744 Main : Send request Link Start 108.08.19 10/23/05.756 Main : Send Paper 108.08.19 10/23/05.756 Main : Send Paper Link Adard GetNextEntry(): Request Link Start / RequestLink Start / Note 108.08.19 10/23/05.756 Main : Send Paper 2048 andree GetNextEntry(): RequestLink Start / RequestLink Start / Note 108.08.19 10/23/05.756 Main : Send Paper Send Paper Link Adarde GetNextEntry(): RequestLink Start / Note
108.08.1910.22.95.189 Main ; [127.00.1.5101]Comm status changel: fort_Not_Connected → Port_Open 108.08.1910.22.95.740 Main ; Added to queue: thr%Stat Request 108.08.1910.22.95.740 Main ; GenetNextEntry0; RequestLinkStat / RequestLinkStat / / To_Be_Processed / 108.08.1910.22.95.756 Main ; GenetNextEntry0; RequestLinkStat / RequestLinkStat / Viat_For_Repty / 108.08.1910.22.95.756 Main ; Genades GenetAin (Stat / RequestLinkStat / RequestLinkStat / Viat_For_Repty / 108.08.1910.22.95.756 Main ; Genades Genades GenetAin (Stat / RequestLinkStat / Viat_For_Repty / 108.08.1910.22.95.756 Main ; Genades Genades Genades (Stat / RequestLinkStat / Viat_For_Repty / 108.08.1910.22.95.756 Main ; Genades Genades Genades (Stat / RequestLinkStat / Viat_For_Repty / 108.08.1910.22.95.756 Main ; Genades Genades (Stat / RequestLinkStat / RequestLinkStat / RequestLinkStat / Viat_For_Repty / 108.08.1910.22.95.756 Main ; Genades Genades (Stat / RequestLinkStat / RequestLin
08.08.19 10 23:05.194 Main : Added to queue:Link Start Request 08.08.19 10 23:05.740 Main : C+trader GetMedTryl: RequestLink Start / RequestLink Start / To_Be_Processed / 08.08.19 10 23:05.744 Main : Send request: RequestLink Start / RequestLink Start / To_Be_Processed / 08.08.19 10 23:05.756 Main : C+trader GetMedTryl: RequestLink Start / RequestLink Start / Vat_For_Repty / 08.08.19 10 23:05.750 Main : C+trader GetMedTryl: RequestLink Start / RequestLink Start / Vat_For_Repty /
08.08.1910/23/05.740 Main : 0.Handler.GetNextEntry(): RequestLinkStart / RequestLinkStart / To_Be_Processed / 08.08.1910/23/05.756 Main 08.08.1910/23/05.756 Main : SendData - Daten generate(150 Myes) 08.08.1910/23/05.756 Main : SendData - Daten generate(150 Myes)
08.08.19 10 23:05 744 Main : Send request Link Start / Request Link Start / 08.08.19 10 23:05 756 Main : Send Data - Daten gesendet (150 Bytes) 08.08.19 10 23:05 756 Main : C-Handler Get Neet Firnly: Request Link Start / / Wait_For_Reply /
08.08.19 10:29:05.756 Main : SendData - Daten gesendet (150 Bytes) 08.08.19 10:29:05.760 Main : Q-Handler.GetNextEntry(): RequestLinkStart / RequestLinkStart / Wait_For_Reply /
08.08.19 10:29:05.760 Main : Q-Handler.GetNextEntry(): RequestLinkStart / RequestLinkStart / Wait_For_Reply /
08.08.19 10:29:05:905 Main : Received data
08.08.19 10:29:06.191 Main : Q-Handler.GetNextEntry(): RequestLinkStart / RequestLinkStart / Received_Reply /
08.08.19 10:29:06.193 Main Received renk: Request link Start
08.08.19 10:29:06.196 Main 🚯 Authentication by Win user 🛛 🗙
08.08.19 10:29:12.404 Main
08.08.19 10:29:12:409 Main
08.08.19 10:29:12.413 Main User Name: Connected
08.08.19 10:23:12.417 Main
06.08.19 10:29:12/42/ Main Win Domain: Port_Closed
00.00.13 10.23.12.444 Main
00.00.15 10.23.12.424 millin Password:
00.00 19 10.23 / 7.202 Main
05.00.19 10.22.17.209 Main
00.0013102017312 Main
18 00 10 10 12 17 830 Main O-Handler GetNextEntrol: Request ink Stat / Request ink Stat / / To. Re. Processed /
In the second se
08.08 19 10:2217 24.11 Main Sand Data - Daten gesendet (150 Bytes)
I08 08 19 10:29 17 977 Main Received data

5. Authenticate with local Windows user:

Authentication by Win user					
User Name: Win Domain:	user				
Password:	•••••				
	Login				

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

IfcConnect • IfcProcess • View • SslCert. Server/Client:		*					
E-127.0.0.1:5101	🗹 lfc1 🗹 Pms1	└ lic1 Pms1 Main					
For the second s	TimeStamp	Ifc1 XML_POS ∞ TCP=5018:LOCAL <mark>Link:End Comm:Asyn</mark>	Pms1 SERV[14] ⇔ DBS=GlobaDbsConnect.0/FoCommPort=5514 Link:Start Comm:Sync				
	<u>[08.08.10:27:04]</u>		<messlv13>[ProtocolMain.Init/15] Protocol_SIM → True</messlv13>				
	[08.08.10:27:04]		<pre>CMessLvl2>[CommDbs.Init_Specific/15] - done FidelioIfCAction V8.14.0.0 FidelioDatabase V8.14.0.0 FidelioPostings V8.14.0.0 FidelioGlobalStatus V8.14.0.0 FidelioGlobalStatus V8.14.0.0</pre>				
	[08.08.10:27:04]		<messlvl2>[CommDbs.Init_Specific/15] Connected to hotel "Marcus Demo Version V8LIVE"</messlvl2>				
	108.08.10:27:04		<messlv13>[CommMain.ChangeState/15] Disbl-Off</messlv13>				
	[08.08.10:27:04]		<messlv13>[CommMain.ChangeState/15] Off-Sync</messlv13>				
	108.08.10:27:04		<messlv13>[IfcObject.ChangeLinkState/15] CommOff→CommOn</messlv13>				
	<u>[08.08.10:27:04]</u>		-[010] <linkstart <br="" date="190808">Time="102704" /></linkstart>				
	<u>[08.08.10:27:04]</u>		←[0 1] <linkstart <br="" date="190808">Time="102704" /></linkstart>				
	<u>[08.08.10:27:04]</u>		<messlv13>[IfcObject.ChangeLinkState/22] CommOn-Start</messlv13>				
	108.08.10:27:04	<messlvl3>[CommMain.ChangeState/23] Off-Asyn</messlvl3>					
ConfigXml: C:\FIDELIO\Ifc8.Net\FKT\Hotel1\XML_POS\14XI	ML_POS.Xml						

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

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

IfcConnect -	IfcProcess + V	/iew 👻 SslCert	. 9
□ <mark></mark> 127.0.0 □ <mark></mark> 8 FIA).1:5000 \S - Oracle Prope lfc1 Pms1	rty Interface base	



Ifc instance link status

Icon Colour	Description	Notes
Red	Not connected	LinkEnd mode
Yellow	Awaiting connection	LinkStart mode
Crange	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.

IfcConnect • IfcProcess • View • SslCert. Server/Client:	•	Ψ	
□	🗹 lfc1 🔽 Pms1 🔤 Main	□ 🗹 → 🗹 ← 🗹 => 🗹 <= 🗋 DbAction 🖃	MessLvl3 + Compr. Style MonitorRefresh V Bottom
fic1 Pms1	TimeStamp	Ifc1 XML_POS⇔TCP≈5018:LOCAL Link:Alive Comm:Sync	Pms1 SERV[14] ⇔ DBS=GlobaDbsConnect.0/FoCommPort=5514 Link:Alive Comm:Sync
	<u>[08.08.10:31:54]</u>		<pre><messlvl3>[CommDbs.CheckLic/3] Feature license "BILL_VIEW" done</messlvl3></pre>
	108.08.10:31:541		<messlvl3>[CommDbs.CheckLic/3] Feature license "FARTIAL_CAS" done</messlvl3>

<u>Remember</u> that the status of the lfc instance on the left side of the lfcControl form will only show when lfcControl connects with the related lfc8 instance. The lfc8 instance monitoring is always present, even lfcControl has no connection to the lfc8 instance.

Stopping Connection

1. While the IfcControl has established a 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.

- 2. 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.

IfcConnect + IfcProcess + View + SslCert. Server/Client:		•	
I27.0.0.1:5101 XMI_POS - Generic Interface based on XMI_POS	🗹 lfc1 🔽 Pms1 🗖 N	$fain \qquad \bigtriangledown \rightarrow \checkmark \leftarrow \checkmark \Rightarrow \checkmark <= \bigcirc DbAction =$	MessLv13 + Compr. Style MonitorRefresh Bottom
	TimeStamp	Ifc1 XML_POS⇔TCP=5018:LOCAL <mark>Link:Alive Comm:Sync</mark>	Pms1 SERV[14] ⇔ DBS=GlobaDbsConnect:0/FoCommPort=5514 Link:Alive Comm:Sync
	[08.08.10:31:54]		<pre> MessLvl3>[CommDbs.CheckLic/3] Feature license "BILL_VIEW" done</pre>
	500 00 10-01-541		discolution (Complete Charles in (2) Frances

IfcProcess Options

Use to perform available action as per connected lfc8 instance.

Especially when Ifc8 is running as Service and no GUI is available the IfcControl application offers great benefit for the user monitoring IFC8 (local IT manager, Consultant, support).

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



If process options are not available when If Control is not connected to the If c instance.



Available Options

Re-Init

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

Configuration

- 1. Select the **Configuration** option to access the Configuration Editor if the specific Ifc8 instance running either as a Service or as an 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 the 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 the **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 the **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 IfcApplications running on a remote server.

View Options

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

Show LogBrowser

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



- 3. By default, the Ifc8 instance monitoring window is enabled once IfcControl has an initial connection to the Ifc instance.
- 4. Unticking the **Show LogBrowser** menu will either show no monitoring or the internal IfcControl log when it is marked to display.

Show IfcControl Log

- 1. Enable or disable displaying the internal IfcControl log.
- 2. Select the View menu and then select Show IfcControl log.

lfcConnect + lfcProcess +	Vie	w 👻 SslCert. Server/Client:	
🗐 🖓 🖂 127.0.0.1:5000 (Servi		Show LogBrowser	Alt+L 2:
E S FIAS - Oracle Pror	~	Show IfcControl log	Alt+I
Pms1		Show Hidden IfcConnects	Alt+H 2:
🗐 🖳 127.0.0.1:5114 (Servi		About	1
XML_POS-14 V8L	ive		15.12.20.12:
127.0.0.1:5421 (Servic	:е-н Рау	oteIV8Live-21XML_OPI ■) ment Interface	15.12.20 12:



3. Unticking the Show IfcControl log will show no monitoring.

Show 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.

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

Hidden IfcConnects are displayed in light-grey color.





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



3. Unmark 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.

Connecting with a Secure Connection (SSL Certificates)

As of IFC8.14.3.0, it is possible to run the IfcControl tool on a remote PC (not the IFC PC) within the customer network and manage Ifc instances or Ifc Services installed on the IFC PC from a different PC.

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

Generating Certificates

Via lfcApplication:

- 1. Start the **Ifc8 instance** as an application.
- 2. Go to Options Create Certificate (ALT-T).

Via lfcControl:

In IfcControl configure the IFC connection / Service.

When a connection is working (only on Host IFC PC) and you want to add certificates to secure the connection go to IfcConnect – Create Certificate.

Local PC user authentication is required.

1. Enter a password for the current local user logged in to the PC.

The Create Certificate form opens 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 * * placeholder name.

Create a new certificate	2	×
Certificate name	:: let\lfcControl\lfc8.Net-Cert(*FktLogo*)]
Password (min.	length 8, req. 1 upper & numeric & symbol char.):	
Validity (1-5 yea	rs):]
Cancel	OK	

2. 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 (*).

- 3. Enter the required password.
- 4. Enter the required certificate validity (in years) and then click OK.

Cr	eate a new certificate	×
	Certificate name:	
	C:\FIDELIO\Ifc8.Net\FKT\1V8Live\11FIASMSC\Cert\Ifc8.Net-Cert(FIAS)	
	Password (min. length 8, req. 1 upper & numeric & symbol char.):	_
	•••••	
	Validity (1-5 years):	
	2	
	Cancel OK	

Certificates are generated and stored in the defined directory.



FIDELIO	> Ifo	c8.N	et≯	FKT	>	1V8Live	>	11FIASMSC →	Cert
-	•		Nam	e		^			1
			if 👧 If	c8.Ne c8.Ne	t-(Cert(FIAS Cert(FIAS).ci).pi	er fx	
			- <u>2</u> -				· P		

Adding Certificate to the Local IfcControl

In IfcControl marks the related defined Ifc Connection and make sure the connection (and the Ifc Service) is stopped.



Mark the first Pick Box on the IfcControl header SsICert. Server/Client.

1. Select the arrow to open the Select file form:



2. Choose the desired .crt certificate to create and click OK.



The certificate is 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)

- 3. Mark the second check box on the IfcControl header (SsICert. Server/Client.
- 4. Select the arrow to open the Select file form:





IfcConnect • IfcProcess • View • SslCert. Server/Clien	nt: C:\FIDELIO\Ifc8.Net\IfcControl\Ifc8.Net-Cert(FIAS).ce •	•
□127.0.0.1:5000 (Service-HotelV8Live-11FIAS-MSC ■)	$\boxed{\text{Ifc1} Pms1} Main} \boxed{\rightarrow} \leftarrow \forall \Rightarrow \forall \leftarrow DbAction$	n - MessLvl3 + Style: Debug 🗹
127.0.0.1:5114 (Service-HotelV8Live-18XML_POS ■)	TimeStamp Select the Client certificat - Certificate files (*.pfx)	× Pms1 ⇒ DBS=GlobalDbsConned
127.0.0.1:5421 (Service-Hotel//8I ive-21XML_OPL =)	C:\FIDELIO\lfc8.Net\lfcControl\lfc8.Net-Cert(FIAS).pfx	Link:Start TCo
XML OPI - Oracle Payment Interface	FIDELIO	V ave-nh carts for m
127.0.0.1:5261 (Service-SimtoXMLtoSIM =)	8.14.11	→ IWKC_START >= '0
FcControl connect	<u>105.11.16:27:</u>	
	🔬 👜 🛃 HTML	
	105.11.16:28: IIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIII	3>[Parser_SERV.Iwko
	HTML8.14.3.1	ake-up calls for du
	HIML8137	+ IWRC_START >= '03
	105.11.16:29: Hr. FoR Net	3>[Parser_SERV.1WK
		TWKC START >= '0
	105 11 16:20:	
	FKT	
	IfcApplication	
	105.11.16:30:	3>[Parser SERV. Twk
	E- KicControl	ake-up calls for d
	😥 😥 👘 🛃 bin	- IWKC_START >= '0'
	[05.11.16:30: E- Certificates	
	fc8.Net-Cert(FIAS).pfx	
	in IfcLogBrowser	
	<u>105.11.16:31:</u>	3>[Parser_SERV.Iwk
	Presentation de	ake-up calls for du
	r assword required:	- IWKC_START >= '0
	105.11.16:31: OK	Cancel

- 5. Enter the password generated for the certificate.
- 6. Then click **ENTER**.

When the password is correct the certificate information will be displayed in red. When the password is incorrect related message will display.

7. Select OK to confirm the choice

(Select Cancel to close without change.)

lfcConnect + lfcProcess + View + SslCert. Server/Clier	t: C:\FIDELIO\Ifc8.Net\I	fcControl\lfc8.Net-Cert(FIAS).ce - C:\FIDELIO\lfc8.Net\lfv	cControl\lfc8.Net-Cert(FIAS).p1 -
□	<mark>✓ lfc1 ✓ Pms1</mark> ✓	$Main \square \rightarrow \square \leftarrow \square \Rightarrow \square <= \square DbAction -$	MessLvl3 + Style: Debug 🗸 M
127.0.0.1:5114 (Service-HotelV8Live-18XML_POS =)	TimeStamp		Pms1

The second certificate gets linked to the Ifc connection Instance.

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

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

IfcConnect - IfcProcess - View - SsICert. Server/Client
[□
FIAS - Oracle Property Interface based on FIAS
In Ifc1
Pms1

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





9. Repeat the above on the remote IfcControl application.

Adding Certificate to IFC8.Net

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



4 Installig IfcControl on Remote PC

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



An example where only IfcControl is installed.

- 2. Execute the installation and after finishing, close the wizard.
- 3. Start IfcControl.exe as administrator from out the IfcControl directory. It is recommended to create a shortcut that will start as administrator.

IfcControl starts.

🚯 lfcControl - V8.14.2.2 (Administrator)		-	×
IfcConnect • IfcProcess • View • SslCert. Server/Client: •	•		
IfcConnect • lfcProcess • View • SslCert. Server/Client: - IfcControl connect - IfcControl connect -			
Log: Cfg:			:

It generates a default connection record you can now use.

Configuring the Remote IfcControl:

Requirement

- Make sure you have created a valid network connection to the local IFC PC.
- Local IFC PC has a share activated within the IFC Config 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.
```

Conf	ig Proper	ties	
General	Sharing	Security	Previous
Netwo	ork File and	d Folder Sh	aring
	Config Shared	d	
Netw \\WF	ork Path: IVM02847	^\Config	
S	hare		

- 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.





The 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

Fidelio	Fidelio > Ifc8.Net > IfcControl > certificates							
	^	Name	^	v	Date modified	Туре	Size	
		🔄 lfc8.Net-0	Cert(FIAS).crt		11.12.2019 10:13	Security Certificate		1 KB
		🦻 lfc8.Net-0	Cert(FIAS).pfx		11.12.2019 10:13	Personal Informati		3 KB

8 IfcControl connect	Select the Se	ever certificate t	5le		×	
	Look in:	certificates	~	G 🛊 😕 🗔-		
	-	Name	· ·	Date modified	Туре	
	7	Ifc8.Net-0	Cert(MBOESEL-LAP).pfx	11.12.2019 14:12	Personal I	
	Quick access	Ifc8.Net-0	Cert(MBOESEL-LAP).crt	11.12.2019 14:12	Security C	
		Ifc8.Net-0	Cert(IFC).pfx	08.01.2020 09:30	Personal I	
		Ifc8.Net-0	Cert(IFC).crt	08.01.2020 09:30	Security C	
	Desktop	Ifc8.Net-0	Cert(FIAS).pfx	20.01.2020 10:06	Personal I	
	-	Ifc8.Net-0	Cert(FIAS).crt	20.01.2020 10:06	Security C	
	m					
	Libraries					
	~					
	This PC					
		<			>	
		File name:	Ifc8.Net-Cert(FIAS).crt	~	Open	
	Network		Landard and the second second			

8 Select the Cli	ent certificate f	le		×
Look in:	certificates	~	G 🛊 🗈 🗔-	
Quick access Desktop Libraries	Name	ert(MBOESEL-LAP).pfx ert(IFC).pfx ert(FIAS).pfx	Date modified 11.12.2019 14:12 08.01.2020 09:30 20.01.2020 10:06	Type Personal Personal Personal
	۲			>
	File name:	Ifc8.Net-Cert(FIAS).pfx	~	Open
Matural	rife fidilite.	lico.recoert(rino).prx		Oper
	Select the Cli Look in: Quick access Desktop Libraries This PC	Select the Client certificate fi Look in: certificates Quick access Desktop Libraries This PC Select the Client certificates Name Mame Mame Mame Mame Mame Mame Mame M	Select the Client certificate file Look in: certificates Quick access Desktop This PC Select the Client certificates Name Mar	Select the Client certificate file Look in: Coefficients Cuick access

IfcControl - V8.14 (Administr	ator) SslCert. Server/Client: C:\Fidelio\lfc8.Net\lfcControl\certificates\lfc8.Net-C	C:\Fidelio\lfc8.Net\lfcControl\certificates\lfc8.Net-C
□	Validate SSL certificate password	
	Enter the X509-Certificate password:	
	Cancel	ок
		d



🔀 IfcControl - V8.14. (Administrator)	-		×
IfcConnect + IfcProcess + View + SslCert. Server/Client: C:\Fidelio\Ifc8.Net\IfcControl\certificates\Ifc8.Net-C + C:\Fidelio\Ifc8.Net\IfcControl\certificates\Ifc8.Net-C + C:\Fidelio\Ifc8.Net\IfcControl\certificates\Ifc8.Net-C + C:\Fidelio\Ifc8.Net\IfcControl\certificates\Ifc8.Net-C + C:\Fidelio\Ifc8.Net\IfcControl\certificates\Ifc8.Net\IfcControl\certificates\Ifc8.Net-C + C:\Fidelio\Ifc8.Net\IfcControl\certificates\Ifc8.Net\IfcControl\certificates\Ifc8.Net-C + C:\Fidelio\Ifc8.Net\IfcControl\certificates\Ifc8.Net\Ifc8.Net\IfcControl\certificates\Ifc8.Net\IfcControl\certificates\Ifc8.Net\Ifc8.Net\IfcControl\certificates\Ifc8.Net\Ifc8.Ne	ates\lfc8.N	let-C 🔹	
B-10 165 120 226 5411 ↓ 28 fcControl connect			

Once done start the connection by double click the connection on the left menu.

If Connect • If CProcess • View •	SolCert. Server/Client: [C:hidelio\tr2s.Net\tr2cControl\certificates\tr2s\tr2s.Net [C:hidelio\tr2s.Net\tr2cControl\certificates\tr2s\tr2s.Net\tr2cControl\certificates\tr2s.Net\tr2cControl\certificates\tr2s.Net\tr2cControl\certificates\tr2s.Net\tr2cControl\certificates\tr2s.Net\tr2cControl\certificates\tr2s.Net\tr2cControl\certificates\tr2s.Net\tr2cControl\certificates\tr2s.Net\tr2cControl\certificates\tr2s.Net\tr2cControl\certificates\tr2s.Net\tr2s.Net\tr2cControl\certificates\tr2s.Net	
	20.01.20.1056/22.764 Main Q-Handler GetNextErtry(): RequestLinkStat / RequestLinkStat / Received_Reply / 20.01.20.1056/22.764 Main Q-Handler GetNextErtry(): RequestLinkStat / RequestLinkStat / Received_Reply / 20.01.20.1056/22.760 Min Received_reply Win Domain:	

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

in T	Authentication by W	/in user	×
1	Jser Name: Via Domaia:	user of IFC PC	
F	Password:	•••••	
		Login	

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).

127.0.0.1.5111			DbAction - MessLv(3 + Style	Debug 🖸 MontorRefresh 🔗 Bottom
PMS1	TimeStamp	IPCI-FIAS- FIAS = TCP-509110CAL Mink: End Comm: Asyn	19451 SERV[11] = DBS-GubaDbaConst DFO-CommPort-SS DBS-GubaDbaConst DFO-CommPort-SS Dink:Start 7Coom:Sync	Main-V8.14. 1(A) HoControl = TCP-S111LOCAL TLink:Alive Comm:Sync
			Results → IWMC_START >= '08.25.14:53:00'	
	108.25/14:56:561			<pre>dessLv13> [IfcMain.moStateTimer_Elapsed 12] Garbage collection done (memory usage 126-12608)</pre>
	108.25/14:57:001		CMessLv13> [Farser_SERV.IwkoChk/14] Check stored wake-up calls for dus: Results - IWKC_START >= '00.25.14:54:00'	
	108.25/14:57:591			CMessLv13> [IfcMain.moStateTimer_Elapsed 14] Garbage collection done (memory usage 127-127MB)
	108.25/14:58:001		<pre>cHessLv13> [Farser_SERV.lwkoChk/12] Check stored wake-up calls for due: Results = IWKC_START >= '0K_25.14155.00'</pre>	



5 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 to have a better overview.

To create another IfcControl instance there are two options:

Multiple IfcControl Directories

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

FIDELIO > Ifc8.Net > IfcControl				
Name ^	Date modified	Туре	Size	
Hotel1	27.01.2020 10:45	File folder		
Hotel2	27.01.2020 10:44	File folder		
🔢 lfcControl.exe	04.03.2020 21:31	Application	1.922 KB	
lfcControl.exe.config	13.02.2020 14:44	CONFIG File	1 KB	
IfcControl.xml	04.03.2020 14:57	XML Document	5 KB	
IfcSuite8Wrapper.dll	04.03.2020 21:32	Application exten	36 KE	
InstallUtil.InstallLog	19.02.2020 09:48	INSTALLLOG File	2 KE	
🗟 Interop.FidelioDatabase.dll	04.03.2020 21:32	Application exten	23 KE	
🗟 Interop.fidelioerror.dll	04.03.2020 21:33	Application exten	12 KE	
🚳 Interop.fidelioGlobalStatus.dll	04.03.2020 21:33	Application exten	44 KE	
Interop.FideliolfcAction.dll	04.03.2020 21:33	Application exten	14 KE	
Interop.fidelioMisc.dll	04.03.2020 21:33	Application exten	17 KE	
Interop.FidelioPostings.dll	04.03.2020 21:33	Application exten	25 KB	

2. In the lfcControl application, the header displays the folder name so one can differentiate between the applications.

8 IfcControl[Hotel2] - V8.14.

Multiple IfcControl Configuration Files

1. Create multiple IfcControl configuration files (IfcControl.xml) and name them as per Property, chain.

Configure them separately only with the desired IFC Connections. Use the Hide Connection option for not displaying IfcService connection for other properties, chains, etc



> FIDELIO > Ifc8.Net > IfcControl
Name ^
📙 bin
certificates
Hotel-OPERAV5.xml
Hotel-SIM.xml
🗹 🔮 Hotel-Trunk.xml
Hotel-V8Live.xml
lfcControl.exe.config
IfcControl.xml

2. Start the related lfcControl instance as per the shortcut linked with the related configuration file.

8 IfcControl-Hotel V8Live Properties					>
Security	De	Details Previous Versions		evious Versions	
General	Shortcut	Compati	bility	Encryption	
FcControl-Hotel V8Live					
Target type:	Application				
Target location	: IfcControl				
Target:	C:\FIDELIO\lfc8.Net\lfcControl\Hotel-V8Live.xml				
Start in: C:\FIDELIO\lfc8.Net\lfcControl					
Shortcut key:	None				
Run:	Normal window V				
Comment:					
Open File L	ocation	Change Ico	n	Advanced	

6 Configuring IfcService

If cControl module offers the option to configure If c8 instances as a service or remove it from an installed service.

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

Installing Ifc8 Instance as Service

- 1. Ensure that the IfcService module is installed.
- 2. Connect configured IfcControl connection to the Ifc8 instance.

IfcControl connection established.

3. Select IfcConnect and then choose Install as Service option:





A browse-for-folder window will pop up to select the Ifc8.Net-Service installation source folder.



This is by default the c:\fidelio\lfc8.Net\lfcService\bin folder

4. Confirm the folder with **OK**.



5. Define a new folder for the new Service to be installed.

The program will then copy the necessary files from the \lfcService\bin folder into this new folder.



The folder should be a subfolder of \lfcService

For example: Create a new folder Hotel1, then click OK to continue.

What happens in the background?

If cControl will copy the If cService files from the \If cService \bin folder into the new folder you created.

A new configuration form will open.



Verify IfcNetService settings	
IfcNetService ServiceID:	
Hotel1	
IfcNetProcess ConfigXm	l file:
C:\FIDELIO\Ifc8.Net\FKT	\Hotel1\XML_POS\14XML_I
IfcNetProcess parameter	rs (use spaces as separator):
+V	
Cancel	ок

- IfcNetService ServiceID
 - Enter a solid name for the service is displayed in the Windows Service list
- IfcNetProcess ConfigXML file
 - Enter the full path for the related Ifc8 instance Config.xml file to be used with this service.
- IfcNetProcess parameter (use spaces as separator)
 - Enter necessary startup parameter for the related lfc8.Net Instance (optional)

For example:

Verify IfcNetService settings				
IfcNetService ServiceID:				
IFC8-Hotel1				
IfcNetProcess ConfigXml file:				
C:\FIDELIO\Ifc8.Net\FKT\Hotel1\XML	POS\14XML_F			
·				
IfcNetProcess parameters (use space	es as separator):			
	is as separatory.			
**				
Cancel	ок			
עם הגם אבער אנגואנו אנג אנער עבר אנג און איז די	2011a			

6. Select **OK** to continue.

The Service is installed.

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

IfcConnect - IfcProcess - View - SslCert. Server/Client:



The IFC8NET-SERVICE is now visible in the Windows Services list.



Services (Local)					
IFC8.NET-SERVICE (IFC8-Hotel1)	Name	Description	Status	Startup Type	Log On As
	IFC8.NET-SERVICE (IFC8-Hotel1)	IFC8.NET-SERVICE (IFC8-Hotel1)		Manual	Local System
Start the service	🆏 IKE and AuthIP IPsec Keying Modules	The IKEEXT service hosts the Internet Key Exch	Running	Automatic (T	Local System
	🏩 Infrared monitor service	Detects other Infrared devices that are in range		Manual	Local System
Description:	🆏 Intel Bluetooth Service	Intel(R) Wireless Bluetooth(R) iBtSiva Service	Running	Automatic	Local System
IFC8.NET-SERVICE (IFC8-Hotel1)	🧠 Intel(R) Content Protection HDCP Service	Intel(R) Content Protection HDCP Service - ena	Running	Automatic	Local System

NOTE:

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

Please ensure to change this to Automatic afterward.

Adding Ifc8 Instance to Existing Ifc8 Service

It is now also possible to define multiple Ifc8 instances into one Ifc8 service.

This is done when multiple Ifc8 instances of multiple Hotel properties run on the same PC and shall run as a service.

So one can define one Ifc8 service containing all Ifc8 instances for one Hotel property.

- 1. Mark the lfc8 instance to add to a service
- 2. Select IfcConnect menu and choose to **Add to Service** or right-click marked Ifc8 instance and choose to Add to Service.

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



3. Select the desired Service.

A new window opens.

Verify IfcNetService settings				
IfcNetProcess (ConfigXml file:			
C:\Fidelio\Ifc8.M	C:\Fidelio\Ifc8.Net\IfcApplication\IfcNetConfig.Xml			
IfcNetProcess	parameters (use space	es as separator):		
+V	+V			
<u>.</u>				
Cancel		ОК		

- 4. Enter the path of the Ifc8 config.xml file for the Ifc8 instance.
- 5. Add optional start parameter.

verify incivetservice settings				
IfcNetProcess Co	nfigXml file:			
LIO\Ifc8.Net\FKT\	Hotel1\DTW\17DTWIfc8Config.Xml			
IfcNetProcess parameters (use spaces as separator):				
+v				

- 6. Click OK to confirm adding to service.
- 7. Click Cancel to go back.

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 the following steps:

- 1. Mark the Ifc8 instance to remove from service.
- Select IfcProcess Remove from Service or right-click the marked Ifc8 instance Remove from Service.



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

IfcConnect + IfcProcess + View + SsICert. See	ver/Client:
127.0.0.1:5101 (Service-IFC8-Hotel1) XML_POS - Generic Interface based on 2 XML_POS - Generic Interface based on 2 XML_POS - Generic Interface based on 2 XML_POS - Generic Interface based on 2	KML POS

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

Displaying Service Status

As of IFC8.14.1.2 IfcControl will display an icon showing the current Service Status. It can display if the Ifc Service instance is started, stopped, or paused.

Ifc Service	status
-------------	--------

lcon	Description
►	Status Service started/running
-	Status Service stopped
н	Status Service paused

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



ORACLE

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 through IfcControl.

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

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

IfcConnect - IfcProcess - View	 SslCert. Server/Client: 		
Start Connection	B-Hotel 1)		
Start all Connections	face based on XML POS		
Modify Connection		IfcConnect + IfcProcess + View	 SsiCert. Server/Client:
Add Connection		□	Start Connection
Delete Connection		XMIL_POS - Generic ir	Modify Connection
Uninstall Service			Add Connection
Start Service			Delete Connection
			Uninstall Service
Close Alt+X			Start Service

The Service starts.

4. Status can be checked in the Windows Services list:

Services (Local)				
IFC8.NET-SERVICE (IFC8-Hotel1)	Name	Description	Status	Startup Type
Stop the service Pause the service Restart the service	IFC8.NET-SERVICE (IFC8-Hotel1)	IFC8.NET-SERVICE (IFC8-Hotel1)	Running	Manual
	🤹 IKE and AuthIP IPsec Keying Modules	The IKEEXT service hosts the Internet Key Exch	Running	Automatic (T
	🎑 Infrared monitor service	Detects other Infrared devices that are in range		Manual
	🌼 Intel Bluetooth Service	Intel(R) Wireless Bluetooth(R) iBtSiva Service	Running	Automatic

In the LogBrowser monitoring MAIN object, one can also see that the Ifc instance has been started by the IfcProcess starting by starting the Service





Stopping Ifc Service

To stop an IFC8 service via IfcControl

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



The Service stops.

Status can be checked in the Services list:

	 Services (Local) 					
	Colored (Local)	· · · ·				
IFC8.N	IFC8.NET-SERVICE (IFC8-Hotel1)	Name	Description	Status	Startup Type	Log O
Start the service		IFC8.NET-SERVICE (IFC8-Hotel1)	IFC8.NET-SERVICE (IFC8-Hotel1)		Manual	Local
	Start the service	🏟 IKE and AuthIP IPsec Keying Modules	The IKEEXT service hosts the Internet Key Exch	Running	Automatic (T	Local
		🖏 Infrared monitor service	Detects other Infrared devices that are in range		Manual	Local
Description: IFC8.NET-SERVICE (II	Description:	🏟 Intel Bluetooth Service	Intel(R) Wireless Bluetooth(R) iBtSiva Service	Running	Automatic	Local
	IFC8.NET-SERVICE (IFC8-Hotel1)	Intel(R) Content Protection HDCP Service	Intel(R) Content Protection HDCP Service - ena	Running	Automatic	Local

Updating Ifc Service

With reference to the Ifc8.14.1.2 version, an option is added to the IfcConnect menu for updating IfcService subfolder with the latest installed IfcService files.

All necessary IfcService files will be installed into the \Ifc8.Net\IfcService\bin folder.

Related defined IfcServices are installed in a defined folder – usually as a subfolder of \lfc8.Net\lfcService\.

- To deploy the latest installed lfcService files to the defined services, the lfc Connect menu option Check for update lfcService copies the related files into the lfcService subfolder.
- 2. Ensure the related defined IfcServices are stopped (when IfcServices have started the option to update is not available).

127.0.0.1.5143 (Service	V8-814-IFC8Net D)		
V8814SIM_VCT	Start Connection		
127.0.0.1:5146 (Serv	Modify Connection		
V88145IM_EF1	Add Connection		
	Delete Connection		
	Hide Connection		
	Remove from Service		
	Start Service		
	StartUp IfcProcess		
	ShutDown IfcProcess		
	Check for update IfcService V8.14.9.16453		

3. Click the option Check for update IfcService V8.xxxx.

The Browse for Folder window will open to select the source folder of the latest IfcService files – usually c:\fidelio\Ifc8.Net\IfcService\bin.

8 Select the lfc8.Net-Service update source folder - (*.*)	×
C:\FIDELIO\lfc8.Net\lfcService\bin	
🗼 🖂 chef	^
🖶 🔄 chef-repo	
🗈 🔄 cloud-init	
Documents and Settings	
HTMI	
IFC8	
in fc8.Net	
🗄 🔁 Config	
IfcApplication	
🕀 🖌 lfcBusi	
If Control	
IfcLogBrowser	
tcService	
V8-814-JFC8Net	
Were Vereit	
W8-TRUNC-IFC8Net	
	*
bin:	
OK Ca	ncel

4. Click **OK** to continue.

The following window opens.





This prompts to confirm updating the marked Service with the files from the \bin folder.

- 5. Click **OK** to confirm the update.
- 6. Click Cancel to go back.
- 7. When you click **OK**, the files in the folder of the marked IfcService will be replaced with the files of the \bin folder.

D	IDELIO > Ifc8.Net > IfcService > Hotel1					
^	Name	Date modified	~	Туре	Size	
	🗹 🗟 lfcProcess.dll	13.08.2019 10:18		Application extens	2.890 KB	
	IfcProcess.dll.config	13.08.2019 10:18		CONFIG File	1 KB	
	IfcService.exe	13.08.2019 10:18		Application	33 KB	
	IfcService.exe.config	13.08.2019 10:18		CONFIG File	1 KB	
	🗹 🗟 lfcSuite8Wrapper.dll	13.08.2019 10:18		Application extens	35 KB	
	✓ SinstallService.bat	13.08.2019 10:18		Windows Batch File	1 KB	
	🗹 🗟 Interop.FidelioDatabase.dll	13.08.2019 10:18		Application extens	22 KB	
	🗹 🗟 Interop.fidelioerror.dll	13.08.2019 10:18		Application extens	12 KB	
	🗹 🗟 Interop.fidelioGlobalStatus.dll	13.08.2019 10:18		Application extens	44 KB	
	🗹 🗟 Interop.FideliolfcAction.dll	13.08.2019 10:18		Application extens	13 KB	
	🗹 🗟 Interop.fidelioMisc.dll	13.08.2019 10:18		Application extens	17 KB	
	🗹 🗟 Interop.FidelioPostings.dll	13.08.2019 10:18		Application extens	24 KB	
	UninstallService.bat	13.08.2019 10:18		Windows Batch File	1 KB	
	IfcService.StartConfig.xml	08.08.2019 11:17		XML Document	1 KB	
	IfcService.InstallLog	08.08.2019 10:51		INSTALLLOG File	10 KB	
	IfcService.InstallState	08.08.2019 10:51		INSTALLSTATE File	8 KB	
	📄 InstallUtil.InstallLog	08.08.2019 10:02		INSTALLLOG File	3 KB	

NOTE:

All the subfolders of defined IfcServices in IfcControl will be updated at once with this procedure – when related IfcService status = Stopped.