IQSweb

V6.x/7.0.x/7.1.x to V7.1.2 Upgrade Instructions

Please follow this document if you are upgrading your IQSweb 6.x.x/7.0.x installation to V7.1.2f. If you are performing a new installation of IQSweb or upgrading from V3.1.2 or earlier, please use the main installation instructions located at <u>http://vdatasys.com</u>.

Backup your IQSweb database before proceeding with the upgrade! The IQSweb installer will modify the database. See <u>Reference D</u> for instructions on backing up the IQSweb database.

Please Note: You do not need to uninstall IQSweb V6.x.x/7.0.x before proceeding with this upgrade. This installer will upgrade the existing installation.

SQL Server Requirements

IQSweb V7 requires SQL Server 2012 or later. If you are upgrading your database server, please upgrade to the latest version, SQL Server 2019.

- If installed, appears as
 - Microsoft SQL Server 201x'
 - Microsoft SQL Server Management Studio Express (you may not see Express on the end depending on your install version).
- If not installed, go to IQSweb Reference B for Instructions.

Please note, upgrading the SQL Server instance does not automatically upgrade the IQSweb database. That requires changing the compatibility level of the database.

To change the compatibility level:

- 1. Open SQL Server Management Studio.
- 2. Connect to the SQL Server instance where the IQSweb database resides.

3. **Right**-click on the IQSweb database.



4. In the Database Properties window, go to the Options page.

Batabase Properties - 1Q3W				^
Select a page	🖵 Script 🔻 😭 Help			
🖉 General				
Files				
Filegroups	Collation: SQL_Latin1_General_CP1_CI_AS			~
Options	Recovery model: Full			~
Change Tracking				
Femissions	Compatibility jevel: SQL Server 2019 (150)			~
Mirming	Containment type: None			\sim
Transaction Log Shipping	Other antione:			
Query Store				
	✓ Database Scoped Configurations			^
	Legacy Cardinality Estimation OFF			
	Legacy Cardinality Estimation For Secondary PRIMARY			
	Max DOP 0			
	Max DOP For Secondary			
	Parameter Sniffing ON			
	Parameter Sniffing For Secondary PRIMARY			
Connection	Query Optimizer Fixes OFF			
Server:	Query Optimizer Fixes For Secondary PRIMARY			
localhost	✓ FILESTREAM			
Connection:	FILESTREAM Directory Name			
SAIC-CORP\mortlandj	FILESTREAM Non-Transacted Access Off			
	✓ Misc			
view connection properties	AllowScripting True			
	HideFileSettings False			
	 Miscellaneous 			
	Allow Snapshot Isolation False			
Progress	ANSENUL Default False			-
Ready	Allow Snapshot Isolation			
		ОК	Car	ncel

- Ensure that the Compatibility level is set to SQL Server 2012 (110) or later. For the longest term compatibility in the future, select the latest level (currently SQL Server 2019 (150)).
- 6. Click **OK**.

IQSweb V7.1.2 IIS Configuration

If you have already installed V6.x.x/7.0.x, the V7.1.2 installer will not modify the IIS configuration! You can skip this section.

The IQSweb V7.x installers will automatically configure Internet Information Services (IIS) to have the IQSWebPool application pool's Start Mode to be AlwaysRunning and to have Auto Start enabled. The installer will also configure the IQSweb web application to have ServiceAutoStart enabled and create a ServiceAutoStartProvider for the application to utilize.

These configuration changes are required to allow IQSweb to be running at all times and perform overnight batch processing updates needed to keep IRWIN up-to-date with the latest information from IQSweb and to import experience records. If the IQSweb system is offline when the batch processing jobs are scheduled to run, the jobs will begin once the system is back online.

If IQSweb V7.1.2 is being deployed to a production server via a file copy (e.g. running an installer on a QA or development machine and copying the files and manually configuring IIS to run the application), IIS will need to be manually configured to allow the batch processing in IQSweb. Please contact your IQS regional representative to get a PowerShell script and instructions on performing the configuration.

Upgrading IQSweb from 6.x.x/7.0.x to V7.1.2

- 1. On the computer where IQSweb is installed, download the V7.1.2 installer. Double-click the installer, **IQSweb64.exe**, to begin the installation process.
- 2. Select **Maintain or upgrade an already installed instance**. Make sure the IQSweb instance is selected and click **OK**.

둸 IQSweb Setup			×	
Multiple Instances This package allows you to install multiple instances of the product.				
 Install new instance: Maintain or upgrade an already ins 	stalled instance:			
Product Name	Version	Install Location		
IQSweb	7.0.1	C:\Program Files\Va	ational Association	
<			>	
Choose custom name for the insta	nce:			
< <u>B</u> ack <u>N</u> ext > Cancel				

3. You will be asked to confirm the upgrade. Click **Yes**.



4. The normal installation screens will then appear. Click Next to continue.



5. Select the radio button to confirm the license agreement and click Next.

э.	Select the radio button to confirm the license agreement and click Next	l.				
	l@ IQSweb Setup	×				
	IQSweb License Agreement	F				
	Please read the following license agreement carefully.					
		^				
	proprietary to the National Association of State					
	Foresters. It may not be used, reproduced or					
	disclosed without written approval of NASF. This software may not be dismantled, reverse-engineered					
	or used in any way either wholly or in parts for any					
	purpose other than to install and run the software					
	any of its functionality for commercial purposes.	~				
	I accept the terms in the License Agreement:					
	○ I <u>d</u> o not accept the terms in the License Agreement					
	< <u>B</u> ack <u>N</u> ext > Cance	el				
6.	Click Next to agree to the Crystal Reports license agreement.					
	Restance and the second	×				
	Crystal Reports License Agreement	_				
	Please read the following license agreement carefully.	5				
	CRYSTAL REPORTS FOR VISUAL STUDIO .NET RUNTIME	^				
	SOFTWARE DISTRIBUTION LICENSE AGREEMENT					
	-IMPORTANT-Read This Carefully Before Continuing.					
	THIS IS A LEGAL AGREEMENT BETWEEN YOU AND CRYSTAL					
	DECISIONS, INC. ("Crystal Decisions"). YOUR RIGHTS TO REDISTRIBUTE					
	SOFTWARE IS GOVERNED BY THE TERMS OF THIS LICENSE					
	AGREEMENT. IF YOU DO NOT ACCEPT THE TERMS AND CONDITIONS					
	CRYSTAL REPORTS FOR VISUAL STUDIO .NET RUNTIME SOFTWARE					
	WITH SERVER/WEB APPLICATIONS. If you have any questions regarding	~				
	A Park Novi > Care	-				
		21				

7. Choose the installation folder for IQSweb. This should be the same folder by default as the 6.x.x installation. *Please note that this step may take a while. Please be patient!*

🛃 IQSweb Setup	_		×
Select Installation Folder This is the folder where IQSweb will be installed.			5
To install in this folder, click "Next". To install to a different folder, er "Browse".	nter it b	elow or click	¢
Eolder: C:\Program Files\National Association of State Foresters\IQSweb\		Br <u>o</u> wse	
< <u>B</u> ack <u>Next</u>	>	Canc	el

8. Confirm the database connection settings. These settings will be transferred from IQSweb 6.x.x/7.0.x. Click **Next**.

🛃 IQSweb Setup	×
Configure Database Connection Please enter the database connection information for SQL Server.	IØ 5
Database Server Name: localhost\sqlexpress Database Name:	
IQS Database Server Login Name:	
Database Server Login Password:]
< <u>B</u> ack <u>N</u> ext >	Cancel

9. Confirm the web site configuration. These settings will be transferred from IQSweb 6.x.x/7.0.x. Please note that IQSweb is now using it's own application pool. If in V4 or V5 you had selected "Create a new IQS Pool", you will see that the only option is "IQSWebPool". Otherwise, you will only see the option "Create a new IQS Pool". Click Next

110AL.	
🛃 IQSweb Setup	×
Web Site Configuration	
Enter the virtual directory for the application.	
Virtual Directory:	
IQS	
Optional IIS Settings	
Site:	
Default Web Site 🗸 🗸	
Application Pool:	
IQSWebPool 🗸	
< <u>B</u> ack <u>N</u> ext >	Cancel

10. If you have previously installed IQSweb V6.x.x/7.0.x on this computer, you will instead see a message that the integration certificate already exists.

8/14/2023 IQSweb V6.x.x/7.0.x/7.1.x to V7.1.2 Upgrade Instructions



If the certificate does not already exist, copy and save the **Integration Certificate Passphrase**. This passphrase needs to be given to your IQS Manager. The IQS Manager will need this Passphrase for configuring IRWIN within the IQS application. **THIS IS YOUR ONLY OPPORTUNITY TO COPY THIS PASSPHRASE! DO THIS NOW and send to your IQS Training Manager.**

8/14/2023 IQSweb V6.x.x/7.0.x/7.1.x to V7.1.2 Upgrade Instructions

#I IOSwah Satura	~
The roswep setup	~
Integration Certificate Information	IØ 5
IMPORTANT! Copy and store the followin connect to the IRWIN Integration Servic	ig passphrase! It will be used to ce.
4SMpzqf9vhPQFF\$	
	< Back Next > Cancel
Click Next.	
1. Click Install to begin the upgrade proce	88.
i侵 IQSweb Setup	×
Ready to Install The Setup Wizard is ready to begin the IQSwel	o installation.
Click "Install" to begin the installation. If you w installation settings, click "Back". Click "Cancel"	ant to review or change any of your 'to exit the wizard.
	< <u>B</u> ack <u>I</u> nstall Cancel

12. The IQSweb installer uses **SQL Server 2012 Native Client** to update the IQSweb database. The installer will check to see if the client is installed on the system. If it is not, you will be

prompted to install the client.

🖟 IQSweb Setup	×
Installing IQSweb	IØ 5
Please wait while the Setup Wizard insta minutes.	alls IQSweb.This may take several
Status: Installing prerequisite softw	vare
	< Back Next > Cancel

13. If the **SQL Server 2012 Native** Client is not installed, the **Microsoft SQL Server 2012 Native Client Setup** window will appear (it may be hidden behind the IQSweb installer, please check the task bar for a flashing icon to click). Click **Next**



14. Accept the license agreement and click **Next**.

🔀 Microsoft SQL Server 2012 Native Client Setup	×
License Agreement	
Please read the following license agreement carefully.	
MICROSOFT SOFTWARE LICENSE TERMS	î
MICROSOFT SQL SERVER 2012 NATIVE CLIENT	
These license terms are an agreement between Microsoft Corporation (or based on where you live, one of its affiliates) and you. Please read them. They apply to the software named above, which includes the media on which you received it, if any. The terms also apply to any Microsoft	
updates,	¥
• I accept the terms in the license agreement \bigcirc I do not accept the terms in the license agreement	
< <u>B</u> ack <u>N</u> ext > <u>C</u> ancel	

15. At the Feature Selection screen, click Next.

😥 Microsoft SQL Server 2012 Native Client Setup	×
Feature Selection Select the program features you would like to inst	all.
Click an icon in the following list to change how a f	eature is installed.
Client Components SQL Server Native Client SDK	Feature description Microsoft SQL Server Native Client
Installation path	
	Bro <u>w</u> se
	<u>D</u> isk Cost
< <u>B</u> ack	<u>N</u> ext > <u>C</u> ancel

16. Click Install.

10.	CHCK IIIsu					
	👘 Microso	ft SQL Server 201	2 Native Client Setu	р	×	
	Ready to Install the Program					
	Setup is	Setup is ready to begin installation.				
	Click Inst	all to begin the in	stallation.			
	If you w exit Setu	want to review or change any of your installation settings, click Back. Click Cancel to etup.				
			< <u>B</u> ack	<u>I</u> nstall	<u>C</u> ancel	
17	Wait for th	e installer to t	finish			
17.	Microso	ft SQL Server 201	12 Native Client Setu	IP Q	×	
	Installing !	5QL Server 201	2 Native Client			
	The prog	ram features you	selected are being ins	talled.		
	ŧ	Please wait while Client . This may	e the Installation Wiza y take several minutes	rd installs SQL Server 20	12 Native	
		Status				
		Validating install				
			< <u>B</u> ack	<u>N</u> ext >	Cancel	

18. Click Finish.

10.	CHCK FIIISH.			
	🖟 Microsoft SQL Server	2012 Native Client Setup	×	
		Completing the SQL Server 2 installation	2012 Native Client	
		Setup has installed SQL Server 2012 N Finish to exit.	lative Client successfully. Click	
1.0		< <u>B</u> ack <u>Finis</u>	h <u>C</u> ancel	
19.	The IQSweb installati	on will resume.	×	
	Ille reswer serup			
	Installing IQSweb		IØ 5	
	Please wait while the minutes.	e Setup Wizard installs IQSweb. This m	ay take several	
	Status: Copyin	g new files		
		< D-ale	Neuto	
		< <u>b</u> ack		

If this is the first time you installed IQSweb V7.1.2 on the computer, you may see a prompt about installing a certificate from **IQSweb CA**. Click **Yes** to install the certificate. This certificate is then used to install a certificate that will be used to encrypt and decrypt the

IRWIN credentials.



20. Click **Finish** to end the installation.



21. Go to the IQS login page and click the About link in the lower left corner. The Database Version should be 7.1.2. The Program version should be 7.1.2.

About IQSweb

Program Version: V7.1.2

Database Version: V7.1.2

You can also confirm installation by going to **Programs and Features** in the Control Panel. IQSweb should now show up as version 7.1.2.

1.000							×	
← → ✓ ↑ 🖸 > Control Pa	anel > All Control Panel Items > Programs and Features			•	✓ Ö Search Program	ns and Features	٩	
Control Panel Home	Uninstall or change a program							
View installed updates	To uninstall a program, select it from the list and then	click Uninstall, Change, or Repair.						
Turn Windows features on or								
off	Organize 🔻 Uninstall						?	
	Name	Publisher	Installed On	Size	Version			
	IQSweb	National Association of State Fo	8/14/2023	33.7 MB	7.1.2			
	Microsoft Command Line Utilities 15 for SQL Server	Microsoft Corporation	9/18/2020	1.00 MB	15.0.2000.5			
	🔀 Microsoft Help Viewer 2.3	Microsoft Corporation	9/18/2020	12.1 MB	2.3.28107			
	Microsoft ODBC Driver 17 for SQL Server	Microsoft Corporation	9/18/2020	7.27 MB	17.5.1.1			
	Microsoft OLE DB Driver for SQL Server	Microsoft Corporation	9/18/2020	8.41 MB	18.3.0.0			
	Microsoft SQL Server 2012 Native Client	Microsoft Corporation	9/18/2020	9.34 MB	11.4.7462.6			
	🔛 Microsoft SQL Server Management Studio - 18.6	Microsoft Corporation	9/18/2020	2.43 GB	15.0.18338.0			
	Hicrosoft Visual C++ 2013 Redistributable (x86)	Microsoft Corporation	9/18/2020	17.1 MB	12.0.30501.0			
	Hicrosoft Visual C++ 2017 Redistributable (x64)	Microsoft Corporation	9/18/2020	23.1 MB	14.16.27029.1			
	Microsoft Visual C++ 2017 Redistributable (x86)	Microsoft Corporation	9/18/2020	20.1 MB	14.16.27029.1			
	Microsoft Visual Studio Tools for Applications 2017	Microsoft Corporation	9/18/2020	19.1 MB	15.0.27520			
	🍅 Mozilla Firefox (x64 en-US)	Mozilla	5/16/2023	217 MB	112.0.2			
	🔂 Mozilla Maintenance Service	Mozilla	9/18/2020	330 KB	80.0.1			
	Wotepad++ (64-bit x64)	Notepad++ Team	10/27/2020	9.93 MB	7.9			
	📌 SAP Crystal Reports runtime engine for .NET Fram	SAP	9/18/2020	235 MB	13.0.13.1597			
	National Association of State Foresters Product version: 7.1.2 Comments: This installer database contains the logic and data requi							
		Size: 33.7 MB						

- 22. Please note! If manually copying the files to the production server after performing the upgrade, make sure that the following line exists in the web.config file (around line 48): <add tagPrefix="rdv" tagName="IRWINResourceDataViewer" src="~/Controls/IRWINResourceDataViewer.ascx"/>
- 23. If you do not see the login page and the IQS site is not coming up as normal, but instead with a 503 error, restart the IQSWebPool application pool in Internet Information Services (IIS).

a. Go to the **Control Panel**, select **Administrative Tools** and double-click Internet Information Services (IIS) Manager:

2 🕂 🖓 📃 🚽		Manage	Manage	Administrative T	ools -	- 0	×
File Home Si	share View	Shortcut Tools	Application Tools				~ 👩
← → ~ ↑ 檔 «	« All Control Pane	l Items → Adminis	trative Tools >	ٽ ~	Search Administr	ative Tools	Q
- Ouisk accord	 Name 	^	[Date modified	Туре	Size	^
	Termir	nal Services	ç)/15/2018 7:19 AM	File folder		
Desktop 🖈	🧞 Comp	onent Services	ç)/15/2018 7:12 AM	Shortcut		2 КВ
👆 Downloads 🖈	🔚 Comp	uter Management	ç)/15/2018 7:12 AM	Shortcut	1	2 КВ
🔮 Documents 🖈	🗎 🔡 Defrag	ment and Optimize	Drives 9)/15/2018 7:12 AM	Shortcut	1	2 КВ
📰 Pictures 🛛 🖈	📕 🔚 Disk C	leanup	ç)/15/2018 7:12 AM	Shortcut	1	2 КВ
www.root 🖈	🚼 Event	Viewer	9)/15/2018 7:12 AM	Shortcut	1	2 KB
bin	💦 Interne	et Information Servi	ces (IIS) Manager	0/15/2018 7:13 AM	Shortcut	1	2 KB
	鵍 iscsi i	nitiator	9	0/15/2018 7:12 AM	Shortcut	1	2 KB
	🚠 Local :	Security Policy	9	0/15/2018 7:13 AM	Shortcut	1	2 KB
IQSDevLogs	Micros	soft Azure Services	9	0/15/2018 7:13 AM	Shortcut	1	2 KB
IQSLogs	🔂 ODBC	Data Sources (32-b	it)	0/15/2018 7:12 AM	Shortcut		2 КВ 🖉
💻 This PC	~ <						>
25 items 1 item sele	ected 1.10 KB						

b. Click the caret to expand the server in the **Connections Pane** and select **Application Pools**.



c. Select the **IQSWebPool** application pool. Then in the **Actions Pane** on the right, select **Recycle**. If the application pool is stopped, select **Start**.

Application Pools						Ac	Actions		
This page lets you view processes, contain on	w and man	DIS age the list of ap pplications, and	plication pools on provide isolation a	the server. Application imong different applica	pools are associated with worke tions.	r	Add Application Pool Set Application Pool Defaults Application Pool Tasks		
Filter:	- 7	🖁 Go 🕞 🙀 Sho	w All Group by:	No Grouping	•	₽	Start		
Name NET v4.5 NET v4.5 Classic Catalog DefaultAppPool (2) (2) (2) (2) (2) (2) (2) (2)	Status Started Started Started Started Started Started	.NET CLR V v4.0 v4.0 v4.0 v4.0 v4.0 v4.0 v4.0 v	Managed Pipel Integrated Classic Integrated Integrated Integrated Integrated	Identity ApplicationPoolld ApplicationPoolld ApplicationPoolld ApplicationPoolld ApplicationPoolld	Applications 0 2 1 7 1	*	Stop. Recycle Edit Application Pool Basic Settings Recycling Advanced Settings Rename		
6	Started Started	v4.0 v4.0	Integrated Integrated	ApplicationPoolld ApplicationPoolld	2 3	× @	Remove View Applications Help		

d. The application pool should now be restarted and the IQS application should be able to be loaded.