IQSweb Installation Instructions Version 7.1.2

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Additional References

The following documents, which can be downloaded separately, provide additional support for the installation, upgrade and backup processes used for IQSweb.

IQSweb Reference A – System Security Requirements

This document describes the system requirements the three basic scenarios in which IQSweb can be configured. Security is discussed for each scenario.

IQSweb Reference B – SQL Server Install Instructions (2017 and Express)

This document contains instructions for installing SQL Server 2017 and SQL Server 2017 Express.

IQSweb Reference C – IQSweb Uninstall Instructions

This document details the steps to un-install any version of IQSweb.

IQSweb Reference D – IQSweb Database Backup/Restore Instructions

If your IT department does not have scheduled periodic backups for your IQSweb database, this document contains instructions to manually create a backup of your IQSweb database. It is recommended that you talk to your IT department to understand what backup procedures are in place before manually backing up your database.

IQSweb Reference G – Microsoft Workstation Firewall Settings

This document addresses the Microsoft Windows Workstation Firewall settings related to IIS, when using Desktop Operating Systems for IQSWeb servers for Windows 7 and later.

IQSweb Reference H – IQSweb Migration Steps

This document details the steps in migrating an existing IQSweb installation to a new server.

IQSweb Reference I – IQSweb-IRWIN Integration Connection

This document details the steps in requesting IRWIN credentials, configuring IQSweb to use the credentials, and describes the changes IQSweb makes to IIS and the computer to run batch processing for IRWIN.

Note: If you find errors or other problems during installation, please email or call your IQSweb representative.

IQSweb IRWIN Connection

The IQSweb V7.1 installer will create a local certificate to encrypt and decrypt your IRWIN credentials. The installer will also modify the IIS application pool IQSweb utilizes to automatically start when the computer boots up and to always be running in the background. This enables IQSweb to run batch processing jobs overnight to synchronize the IQS data with the IRWIN integration

service. This will ensure that resources and their capabilities in your IQS system will be up to date in IROC.

To see more details about the IRWIN integration and to see instructions on requesting the IRWIN credentials and configuring IQSweb to use the credentials, please see the Reference I - IQSweb IRWIN Connection document on http://www.vdatasys.com.

IQSweb V7.1 Install/Upgrade Scenarios

Determine the install or upgrade scenario that applies to you in the Upgrade Path below. Then, follow the guidance in the Special Instructions column before continuing.

Upgrade Path	Special Instructions
1. Installing IQSweb for the first time	Follow the installation instructions.
2. Upgrading from Legacy IQS V5 or V6	After following the installation instructions, contact your IQSweb representative for advice on transferring persons between systems.
	installing IQSweb.
3. Upgrading from IQSweb V3.1.2 or lower	Uninstall IQSweb. Be sure to validate the database server and login information for your existing IQSweb database when prompted for the location of the database (lines 3, 4, 5 and 6 in the Installation Check List). Your IQSweb database will be automatically upgraded during the installation.
4. Upgrading from IQSweb V4.0.0 or later	Run the installer. The installer will import the configuration settings, upgrade the database and application.
5. Re-installing IQSweb	 Use my existing IQSweb database Create a backup of the IQSweb database. Uninstall IQSweb. Follow the installation instructions as if installing IQSweb for the first time. Start with a new IQSweb database Follow the instructions for upgrade scenario #1. Use my Legacy IQS V5/6 database Follow the instructions for upgrade scenario #2. Use my IQSweb database Follow the instructions for upgrade scenario #3 or #4.
6. Moving IQSweb to a new server	Create a backup of the IQSweb database on the existing server using Reference F for instruction. Restore the IQSweb database on the new server, creating a new user account for the IQSweb database. Follow the installation instructions as if installing IQSweb for the first time with the exception of Step 3 which can be omitted due to the database already existing.

IQSweb Configuration Options

From the configurations listed below, determine the IQSweb installation configuration that applies to your organization.

A. Single Computer/Server (e.g., laptop, non-networked PC, single networked server)

This computer will need to meet all of the installation prerequisites (See Installation

Prerequisites). This is the simplest option where the Database and Web Application are installed on one machine. Run the installer on this one machine.

Single Computer

Prerequisites

- Microsoft .NET 4.5.2 Framework or higher
- IIS
- Windows Installer 3.1 or higher
- Crystal Reports Runtime
- SQL Server 2012 or higher/SQL Server 2012 Express or higher

Database

• Configure SQL Server

Web Application

• IQSweb64.exe

B. Two computers (Web Application and Database Servers)

The web application server will need to have the Microsoft .NET 4.5.2 Framework installed. The database server will need to have Microsoft .NET 4.0 Framework or later installed along with SQL Server 2012 or higher (or SQL Server 2012 Express or higher). The Web server will need to have IIS and the Crystal Reports Runtime (distributed specifically for IQSweb) installed. Run IQSweb.exe on the Web Application Server.



Installation Prerequisites

The following software is required on the appropriate PC or server (based on your configuration identified in the previous section) before installing the IQSweb software. You will need administrator rights to the server or PC where IQSweb will be installed. **Involve your IT staff if you need assistance.**

If installed, these prerequisites appear in the Add/Remove Programs dialog in the Control Panel with the exception of the Windows Operating System.

NOTE: IQSweb is a 64-bit application. **IQSweb will only work with a 64-bit version of Crystal Reports.**

Microsoft .NET Framework 4.5.2

NOTE: Higher versions of .NET Framework (e.g. 4.6 or 4.7) will also work with IQSweb.

- If installed, appears as 'Microsoft .NET Framework 4.5.2'
- If not installed, download and install from http://www.microsoft.com/en-us/download/details.aspx?id=42642. If not already installed, this will also install Microsoft .NET Framework 4.0.
- Important NOTES:
 - This install may require a reboot of the PC or Server!
 - If you are using Windows 2012 or Windows 2012 R2, please download and run the 4.5.2 installer. These versions of Windows include .NET 4.5.1, but 4.5.2 is needed in addition to run IQSweb.

Crystal Reports 2013 Runtime

- If installed, appears as 'SAP Crystal Reports Runtime Engine for .NET Framework.' The version number will be 13.0.13.1597 Crystal Reports Basic for Visual Studio 2008.'
- If not installed:
 - Download and install the file **CRforVS_redist_install_64bit_13_0_13.zip** from <u>http://www.vdatasys.com/</u>
- Right-click on My Computer, click on Properties, and look at the version listed under System to find your Windows OS version.

Internet Information Services (IIS)

Windows 7, 8, 10: Go to Control Panel->Programs>Programs and Features ->Turn Windows Features On or Off.

- If IIS is installed, there will be a grayed out checkbox by 'Internet Information Services (IIS)' in the dialog that appears.
- Install by going to Add or Remove Programs in the Control Panel and selecting Add/Remove Windows Components. Select the Internet Information Services (IIS) checkbox in the dialog

that appears, click Next, and follow the prompts. **Note: You may need your Windows installation cd.**

- After the installation is complete
 - Check to make sure that any firewalls that might be running on the PC or Server are configured to allow http traffic on TCP port 80.
 - Apply any security updates to IIS.
 - Please test that IIS is running by starting your browser and going to http://<computer name>.
- Ensure that the desired application pool has the correct settings for IQSweb. The .NET Framework version must be set to v4.0 and 32-bit applications must be disabled for a 64-bit computer.
 - Open Internet Information Services (IIS) Manager.
 - Go to the Application Pools section.
 - Make sure that the desired application pool has a .NET Framework version of v4.0.30319. This can be changed by selecting the application and clicking on Basic Settings in the Actions pane.

Edit Application Pool
<u>N</u> ame:
DefaultAppPool
.NET <u>F</u> ramework version:
.NET Framework v4.0.30319 🗸
Managed pipeline mode:
Integrated -
☑ <u>S</u> tart application pool immediately
OK Cancel
OK Cancel

• To disable 32-bit applications (only applicable for 64-bit computers), select the desired application pool and click on **Advanced Settings** in the Actions Pane. Make

dva	nced Settings	<u></u>	x
	(General)		
	.NET Framework Version	v4.0	
	Enable 32-Bit Applications	False 💌	
	Managed Pipeline Mode	Integrated	
	Name	DefaultAppPool	Ξ
	Queue Length	1000	
	Start Automatically	True	
Ξ	CPU		
	Limit	0	
	Limit Action	NoAction	
	Limit Interval (minutes)	5	
	Processor Affinity Enabled	False	
	Processor Affinity Mask	4294967295	
⊡	Process Model		
	Identity	LocalSystem	
	Idle Time-out (minutes)	20	
	Load User Profile	True	
	Maximum Worker Processes	1	
	Ping Enabled	True	Ŧ
Er [e oj be	nable 32-Bit Applications enable32BitAppOnWin64] If set to perating system, the worker proc e in WOW64 (Windows on Windo	ess(es) serving the application pool on a 64-bi ess(es) serving the application pool wil ws64) mode. Processes in WOW64 mo	it I
		OK Cancel	

sure that **Disable 32-bit Applications** is set to **False** and click **OK**.

IQSweb V7.1.2 IIS Configuration

The IQSweb V7.1.2 installer 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.

SQL Server 2012 or higher (or SQL Server Express 2012 or higher)

If installing SQL Server, please install the latest version, SQL Server 2019.

If installed, appears as Microsoft SQL Server 201x'

• If not installed, go to IQSweb Reference B for Instructions.

Installation Check List

Please use the following check list to capture information used throughout the installation of IQSweb.

Fill in the Item Name for lines 1 – 2.

If you are upgrading from IQSweb V3.1.2 or earlier, fill in the Item Name for lines 3 – 7 and any others that will be the same.

Proceed with the installation. The remaining items will be captured during the following installation steps. You may want to print this page now for easier reference during the installation.

NOTE: For lines 1 and 2, you will need to get the name of the appropriate computer based on your install configuration. If you are installing on a single machine, the names recorded for lines 1 and 2 will be the same name.

Line	Install Item	Item Name
No.		
1	IQSweb Server Computer Name	
	(Right click on My Computer, choose Properties,	
	Computer Name tab. Copy Full Computer Name.)	
2	Database Server Name	
	(Launch SQL Server Management Studio (e.g.,	
	Start/Programs/Microsoft SQL Server X/Microsoft	
	SQL Server Management Studio < Express>.) Copy	
	the Server Name)	
3	Database Name	
-		
4	Database Server Login Name	
5	Database Server Login Password	
6	IQS Application Virtual Directory	

7	IQSweb Address	
8	Integration Certificate Passphrase (this information will be entered by the IQS Manager in IQSweb after they login to V7 and connect to IRWIN)	

Installation Instructions

IMPORTANT NOTE:

• If an error occurs during installation of the web application, a log file called **IQSWebSetup.log** is written to the desktop of the PC from where the installation is running.

Step 1: Download the IQSweb Installation Files

There is one setup file for IQSweb. This file comes in a 64-bit version.

Download the IQSweb setup file from **IQSweb64.exe** from <u>http://www.vdatasys.com</u> in the Software/Downloads section.

Step 2: Make Sure SQL Server Accepts Remote Connections

- 1. If not already done, make sure that the installation of SQL Server accepts remote connections.
 - a. Start SQL Server Management Studio, e.g., go to Start/Programs/Microsoft SQL Server Tools X/Microsoft SQL Server Management Studio <Express>. Select or enter the connection information (Express users can generally accept the default values). Click **Connect** on the Connect to Server screen.

📑 Connect to Server	
Microsoft SQ)L Server 2014
Server type:	Database Engine 💌
<u>S</u> erver name:	2V28DZ1\SQLExpress
<u>A</u> uthentication:	Windows Authentication 🔹
<u>U</u> ser name:	SAIC-CORP\mortlandj ~
<u>P</u> assword:	
	Remember password
Connect	Cancel Help Options >>

b. In the Object Explorer (left panel), right-click on the database server and select **Properties**.



c. In the Server Properties window, select the Security page (left panel). Make sure that **SQL Server and Windows Authentication mode** under Server Authentication is selected.

Server Properties - 2V28DZ1	\SQLExpress
Select a page General Memory Concessors Security Connections Database Settings Advanced Permissions	Script
Connection	Password
Server: 2V28DZ1\SQLExpress Connection: SAIC-CORP\montlandj Wew connection properties	Options Enable C2 audit tracing Cross database ownership chaining
Progress	
Ready	
	OK Cancel

d. In the Server Properties window, select the Connections page (left panel). Make sure the checkbox for "Allow Remote Connections to this server" is checked. Click OK.

Server Properties - 2V28DZ1	\SQLExpress	- O X
Select a page General Memory Processors Security Connections Database Settings Advanced Permissions	Script	
Connection	Remote server connections	
Server: 2V28DZ1\SQLExpress Connection: SAIC-CORP\mortlandj IP <u>New connection properties</u>	 ✓ Allow remote connections to this server Remote guery timeout (in seconds, 0 = no timeout): 600 ♀ ■ ■ Require distributed transactions for server-to-server communication 	
Progress		
Ready	<u>Configured values</u> <u>Running values</u>	
	ОК	Cancel

e. In the Object Explorer (left-panel), right-click on the Database Server, and then click on **Restart**.



Step 3: Create an Empty IQS Database and User Account in SQL Server

- Create an empty IQS database and IQS user account in SQL Server. NOTE: Please do not use the character sequence \$*#~ for the database server, database name, database username, or database password.
 - a. In the Object Explorer (left panel), right-click on the Databases object and select "New Database".



b. In the New Database window, enter the name you want for the IQSweb database into the **Database Name** field, e.g., IQSweb. No spaces or underscores are allowed in the database name.

Document the DATABASE NAME in line 3 on the Check List for use later.

New Database								x
Select a page	Script 🔻 🛐	Help						
Filegroups	Database <u>n</u> ame:		IG	Sweb				
	Owner:		<(default>				
	<u>√</u> <u>U</u> se full-text ir	ndexing						
	Database files:							
	Logical Name	File Type	Filegrou	up	Initial Size (MB)	Autogrowth /	Maxsize	
	IQSweb	ROWS	PRIMA	ARY	3	By 1 MB, Unli	mited	
	IQSweb_log	LOG	Not Ap	plicable	1	By 10 percent	, Unlimited	
Connection								
Server: 2V28DZ1\SQLExpress								
Connection: SAIC-CORP\mortlandj								
View connection properties								
Progress								
Ready	•				Add		<u>R</u> emove	•
						ОК	Cancel	

c. Click OK.

NOTE: If you happened to click Add before clicking OK you might get an error. Remove any blank lines showing in the Database Files section before clicking OK. Do this by highlighting the line and clicking **Remove**.

d. In the Object Explorer (left panel), expand the Security object and right-click on Logins. Select "New Login".



e. On the Login - New screen, enter the Login Name, e.g., IQSuser. Select the SQL Server Authentication radio button. Enter a Password and confirm the password. Continue to the next steps BEFORE clicking OK.

Login - New			
Select a page	🔄 Script 🔻 📑 Help		
Server Roles User Mapping Securables	Login <u>n</u> ame: <u>W</u> indows authentication <u>S</u> QL Server authentication <u>P</u> assword:	IQSUser	Sgarch
	Confirm password: Specify old password Old password: Conforce password policy Enforce password expirat User must change password Mapped to cettificate	tion) vord at next login	
	 Mapped to asymmetric key Map to Credential 		▼
Connection			
Server: 2V28DZ1\SQLExpress Connection: SAIC-CORP\mortlandj View connection properties	Mapped Credentials	Credential Provider	
Progress			Remove
Ready	Default <u>d</u> atabase: Default language:	master <default></default>	*
			OK Cancel

- f. Document the value you enter for Login Name in Line 4 of the Check list, DATABASE SERVER LOGIN NAME
- g. Document the value you entered for password in Line 5 of the Check list, DATABASE SERVER LOGIN PASSWORD
- h. <u>Uncheck</u> the **User must change password at next login** and **Enforce password expiration** checkboxes. You can optionally uncheck the **Enable password policy** checkbox, depending on your organization's security policies.
- i. Click OK.
- j. Go into the Object Explorer, expand the Databases object and find the new database you created. Expand the new database object and then expand the database's Security object. Under the Security object, right-click on **Users** and select **"New User"**.



k. In the Database User – New screen, enter the Database Server Login Name from line 4 of the Check List in the **User Name** and **Login name** fields.

🥑 Database User - New	
Select a page General Owned Schemas Membership Securables Extended Properties	Script V Belp User type: SQL user with login User name: IQSUser Login name: IQSUser Default schema:
Connection	
Server: 2V28DZ1\SQLExpress Connection: SAIC-CORP\montlandj View connection properties	
Progress	
Ready	
	OK Cancel

- 1. Click on the **"Membership"** page on the left. **NOTE:** Certain versions of SQL Server Management Studio will show the **Membership** section in the **General** page.
- m. In the "Database role membership" section at the bottom, check the "**db_owner**" checkbox. You may need to scroll down to see this role.

🚺 Database User - New	Front VIII hand harristican	
Select a page	Script 👻 🖪 Help	
General		
Membership	Database role membership:	
Securables	Role Members	
🚰 Extended Properties	db_accessadmin	
	db_backupoperator	
	db_datareader	
	db_datawriter	
	db_ddladmin	
	db_denydatareader	
	db_denydatawriter	
	☑ db_owner	
	db_securityadmin	
Connection		
Server: 2V28DZ1\SQLExpress		
Connection: SAIC-CORP\mortlandj		
View connection properties		
Progress		
Ready		
	0	Cancel

- n. Click OK.
- o. Exit SQL Server Management Studio by selecting File and then Exit from the top menu.

Step 4: Uninstall the IQSweb Web Service and Application (if upgrading from IQSweb v3.1.2 or earlier)

- 1. Go to Control Panel and select **Programs and Features**.
- 2. If you are upgrading from a version of IQSweb, uninstall the applications titled IQSweb Vx and IQSweb Service Vx.
- 3. Go to Control Panel and select Administrative Tools, then open Internet Information Services (IIS) Manager

- 4. In the **Connections** pane on the left, expand the computer, **Sites**, and **Default Web Site**.
- 5. Find the IQSweb Service entry (default is **IQSWS**) and right-click on it. Select **Remove**.

Ci Internet Information Services (IIS) Manager		
COC + 2V28DZ1 + Sites + Default	Neb Site → IQSWS →	📴 🖂 🏠 🔞 -
File View Help		
Connections	SWE Home	Actions
		🔯 Explore
2V28DZ1 (SAIC-US-EAST\mor Filter:	- 🔛 Go - 😓 Show All Group by: Area - 🐨 -	Edit Permissions
A Sites ASP.NET -		Basic Settings
a 🚯 Default Web Site		View Virtual Directories
> aspnet_client		Manage Application
IQS Authorizat	aver aver aver aver aver tores aver to aver to aver to aver to serve application. Connection machine key Pages and Compilation Pages Globalization Levels Settings Strings	Browse Application
Explore		Browse *:80 (http)
Edit Permissions		Advanced Settings
Add Application	ph State SMTP E-mail	Install Application From Gallery
Add Virtual Directory		Deploy
Manage Application		Export Application
😰 Refresh		Import Application
🗙 Remove	pression Detault Directory Error Vages Handler HTTP Logging MIME Types Modules Utput Kequest Document Browsing Mapping Respon	🕡 Help
Deploy	•	Online Help
Switch to Content View		
Mapageme	ant	
Configurat Editor		
Features Vi	ew 🗟 Content View	
Ready		€ <u>1.</u> :

- 6. Find the IQSweb Application entry (default is **IQS**) and right-click on it. Select **Remove**.
- 7. If uninstalling IQSweb V3.1.x or earlier: Open **Windows Explorer** and navigate to the IIS **wwwroot** directory (default is C:\inetpub\wwwroot.).
- 8. Delete the **IQS** and **IQSWS** folders.

Step 5: Install the IQSweb Application

- 1. Depending on your configuration (see Configuration Options) start the file **IQSweb64.exe** on the appropriate computer.
 - a. Double-click the IQSweb64.exe file to begin the installation.

b. On the IQSweb Welcome screen, click Next.



c. Read the IQSweb License Agreement and select 'I accept the terms in the License Agreement' to continue the installation. Click Next.

🕼 IQSweb Setup	×
IQSweb License Agreement Please read the following license agreement carefully.	7
NASF PROPRIETARY SOFTWARE: This software is 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 as it is designed. It is illegal to use IQSweb or any of its functionality for commercial purposes.	
\bigcirc I <u>a</u> ccept the terms in the License Agreement O I <u>d</u> o not accept the terms in the License Agreement	
< <u>B</u> ack <u>N</u> ext > Cancel]

d. Read through the Crystal Reports License Agreement and click Next.

🛃 IQSweb Setup 🗙
Crystal Reports License Agreement Please read the following license agreement carefully.
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 THE CRYSTAL REPORTS FOR VISUAL STUDIO .NET RUNTIME SOFTWARE IS GOVERNED BY THE TERMS OF THIS LICENSE AGREEMENT. IF YOU DO NOT ACCEPT THE TERMS AND CONDITIONS OF THE SOFTWARE LICENSE, YOU MAY NOT REDISTRIBUTE THE CRYSTAL REPORTS FOR VISUAL STUDIO .NET RUNTIME SOFTWARE WITH SERVER/WEB APPLICATIONS. If you have any questions regarding
< <u>B</u> ack <u>N</u> ext > Cancel

e. Select the **folder** where the IQSweb Service will be installed. The default location is in the "C:\Program Files\National Association of State Foresters" directory.

提 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, ent "Browse".	er it be	low or click	
Eolder: C:\Program Files\National Association of State Foresters\IQSweb\		Browse	
< <u>B</u> ack <u>N</u> ext >		Cance	el

f. Click **Next** to continue.

g. Configure the database connection. Refer to the Check List as described in the next steps for each value to be entered.

🛃 IQSweb Setup	×
Configure Database Connection Please enter the database connection information for SQL Server.	105
Database Server Name:	
Database Name:	
Database Server Login Name:	
Database Server Login Password:]
< <u>B</u> ack <u>N</u> ext >	Cancel

- h. Enter the **Database Server Name** from line 2 of the Check List. NOTE: if your SQL Server installation accepts remote connections from a nonstandard port (not 1433), enter the Server in the following format: <server>,<port#>.
- i. Enter the **Database Name** from line 3 of the Check List.
- j. Enter the **Database Server Login Name** from line 4 of the Check List.
- k. Enter the **Database Server Login Password** from line 5 of the Check list (case sensitive).
- 1. Click **Next** to continue. The installer will check that the database connection is working before proceeding to the next screen.

m. Enter the virtual directory you want to use for IQS. **This will be part of the URL that your end users will use when they access IQSweb.** Generally you can select the default Virtual Directory of IQS.

The **Optional IIS Settings** group holds advanced settings for IIS. The **Site** and **Application Pool** have the default values automatically selected. IQSweb requires its own application pool, so there will only be an option of '**Create a new IQS Pool'** in the Application Pool drop-down. The installer will create a new application pool called **IOSWebPool**.

🖟 IQSweb Setup	×
Web Site Configuration Enter the virtual directory for the application.	@ 5
Virtual Directory: IQS	_
Optional IIS Settings Site: Default Web Site	
Application Pool: Create a new IQS Pool	
< <u>B</u> ack <u>N</u> ext >	Cancel

- n. Document the value you entered for Virtual Directory in Line 6 of the Check list, **IQS** APPLICATION VIRTUAL DIRECTORY.
- Document the IQSweb ADDRESS in line 7 on the Check List for use later. The format for this URL will be http://<IQS Web Application Server Computer Name (line 1)>/<IQS Application Virtual Directory (line 6)>.
- p. Click Next.
- q. Copy and enter the Integration Certificate Passphrase onto line 8 of the Check list (case sensitive). This passphrase will be used by the IQS Manager when configuring IQS to connect to the IRWIN Integration service. THIS IS YOUR ONLY OPPORTUNITY TO COPY THIS PASSPHRASE!

🛃 IQSweb Setup	×
Integration Certificate Information	IØ 5
IMPORTANT! Copy and store the fol connect to the IRWIN Integration S	llowing passphrase! It will be used to Service.
4SMpzqf9vhPQFF\$	
	< Back Next > Cancel

If you have previously installed IQSweb V7.0.x on this computer, you will instead see a message that the certificate already exists. You will be able to use the existing passphrase.

r. Click Next.

Click **Next** to confirm that you want to start the installation.

ill IQSweb Setup	×
Ready to Install The Setup Wizard is ready to begin the IQSweb installation.	185
Click "Install" to begin the installation. If you want to review or change any installation settings, click "Back". Click "Cancel" to exit the wizard.	y of your
< <u>B</u> ack Install	Cancel

s. 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.

👘 IQS	web Setup		×
Ins	stalling IQS	ōweb	IØ 5
	Please wait minutes.	while the Setup Wizard installs IQSweb.	This may take several
	Status:	Installing prerequisite software	
		< <u>B</u> ack	Next > Cancel

t. 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**



v.

u. Access the license agreement and click Next.

Microsoft SQL Server 2012	Native Client Setup		>
License Agreement			
Please read the following lice	ense agreement carefully		
MICROSOFT SOFTWARE	LICENSE TERMS		^
MICROSOFT SQL SERVER	R 2012 NATIVE CLI	ENT	
These license terms are a	in agreement betwe	en Microsoft Corj	poration (or
based on where you live,	one of its affiliates)	and you. Please i	read them.
They apply to the software	e named above, whi	ch includes the n	nedia on which
you received it, if any. The	e terms also apply to	any Microsoft	
 updates, 			v .
T accord the trans is the line.			
I accept the terms in the lice	inse agreement		
I do not accept the terms in	the license agreement		
	< <u>B</u> ack	<u>N</u> ext >	<u>C</u> ancel
t the Feature Selection s	creen, click Next.		
Microsoft SQL Server 2012	Native Client Setup		>
Feature Selection			
Feature Selection	you would like to install		
Feature Selection Select the program features	you would like to install.		
Feature Selection Select the program features Click an icon in the following	you would like to install. list to change how a fea	ture is installed.	
Feature Selection Select the program features Click an icon in the following	you would like to install. list to change how a fea	ture is installed.	
Feature Selection Select the program features Click an icon in the following	you would like to install. list to change how a fea	ture is installed.	description
Feature Selection Select the program features Click an icon in the following	you would like to install. list to change how a fea nts ve Client SDK	ture is installed. Feature (Microsoft Client	description SQL Server Native
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Feature Selection Select the program features Click an icon in the following Client Componer SQL Server Nation	you would like to install. list to change how a fea nts ve Client SDK	ture is installed. Feature of Microsoft Client	description SQL Server Native
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Feature Selection Select the program features Click an icon in the following Client Componen SQL Server Natio	you would like to install. list to change how a fea nts ve Client SDK	ture is installed. Feature of Microsoft Client	description SQL Server Native Browse

< <u>B</u>ack

<u>N</u>ext >

<u>C</u>ancel

w.	Click Insta	all.			
	👘 Microsof	ft SQL Server 201	12 Native Client Setu	ıp	×
	Ready to	Install the Pro	gram		
	Setup is	ready to begin ins	stallation.		
	Click Inst	tall to begin the in	stallation.		
	If you we exit Setu	ant to review or c ip.	hange any of your ins	tallation settings, click Ba	ck. Click Cancel to
			< Back	Install	Cancel
				Install	
х.	Wait for th	e installer to	finish.		
	Microsof	nt SQL Server 20	12 Native Client Set	ıp	~
	The prog	ram features you	I selected are being in:	stalled.	
	Please wait while the Installation Wizard installs SQL Server 2012 Native Client . This may take several minutes.				
		Status:			
		Validating instal	I		

y.

Click Finish.		
🕌 Microsoft SQL Server	2012 Native Client Setup	×
	Completing the SQL Server 2012 Native Client installation	
	Setup has installed SQL Server 2012 Native Client successfully. Clid Finish to exit.	k
	< <u>B</u> ack <u>Finish</u> <u>C</u> ancel	

z. The installer will then resume. This process may take a few minutes.

IQSweb Setup	×
Installing IQSweb	IØ 5
Please wait while the Setup Wizard installs IQSweb.This minutes.	may take several
Status:	
< <u>B</u> ack	Next > Cancel

aa. If this is the first time you installed IQSweb V7 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.

Security \	Narning	
A	You are about to install a certificate from a certification authority (CA) claiming to represent: IQSweb CA Windows cannot validate that the certificate is actually from "IQSweb CA". You should confirm its origin by contacting "IQSweb CA". The following number will assist you in this process: Thumbprint (sha1): F19C3ACE 52B0A82F E966782E B4D6BB19 957321D7	
	Warning: If you install this root certificate, Windows will automatically trust any certificate issued by this CA. Installing a certificate with an unconfirmed thumbprint is a security risk. If you click "Yes" you acknowledge this risk. Do you want to install this certificate?	
	Yes <u>No</u>	

bb. The installer will finish. Click **Finish**.

🕞 IQSweb Setup	×
Incident Qualification System	Completing the IQSweb 7.1.2 Setup Wizard
	Click the "Finish" button to exit the Setup Wizard.
	< <u>B</u> ack <u>F</u> inish Cancel

cc. You can test the installation by opening a web browser and going to the IQS web application. The address will be line 7 from the Check List. **The first time the application loads may take longer than normal**. REMEMBER to provide the IRWIN Integration Certificate passphrase.

dd. You should see a login page as follows:



- ee. If you do not see the login page and the IQS site is not coming up, restart the IQSWebPool application pool in Internet Information Services (IIS).
 - 1. Go to the **Control Panel**, select **Administrative Tools** and double-click Internet Information Services (IIS) Manager:

					U			
🎬 🛃 🔚 =			Manage	Manage	Administrative 1	ools	- 🗆	\times
File Home	Share	View	Shortcut Tools	Application Tool	s			~ 🕐
$\leftarrow \rightarrow \checkmark \uparrow \downarrow$	🗄 « 🛛 All (Control Pane	el Items → Adminis	strative Tools →	~ Ū	Search Administr	ative Tools	P
📌 Quick access	^	Name	^		Date modified	Туре	Size	^
Deckton		Termi	nal Services		9/15/2018 7:19 AM	File folder		
Desktop		🄊 Comp	onent Services		9/15/2018 7:12 AM	Shortcut	2	КВ
👆 Downloads	*	🜆 Comp	uter Management		9/15/2018 7:12 AM	Shortcut	2	КВ
🔮 Documents	*	🎦 Defrac	gment and Optimize	e Drives	9/15/2018 7:12 AM	Shortcut	2	КВ
Pictures	*	漏 Disk C	leanup		9/15/2018 7:12 AM	Shortcut	2	КВ
www.root	*	🚼 Event	Viewer		9/15/2018 7:12 AM	Shortcut	2	КВ
bin		騺 Intern	et Information Servi	ices (IIS) Manager	9/15/2018 7:13 AM	Shortcut	2	КВ
		🔝 iscsi i	nitiator		9/15/2018 7:12 AM	Shortcut	2	KB
		🚠 Local	Security Policy		9/15/2018 7:13 AM	Shortcut	2	KB
		🌮 Micro	soft Azure Services		9/15/2018 7:13 AM	Shortcut	2	КВ
IQSLogs		TODBC	Data Sources (32-b	it)	9/15/2018 7:12 AM	Shortcut	2	кв 🗸
💻 This PC	¥ ·	<						>
25 items 1 item	selected	1.10 KB						::: 🖿

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



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

Annitest	ien De	ala				Ac	tions
This page lets you vie processes, contain on	w and man	OIS age the list of ap opplications, and	pplication pools on I provide isolation a	the server. Application among different applica	pools are associated with a	worker	Add Application Pool Set Application Pool Default Application Pool Tasks
Filter:	- 9	🖉 Go 🕞 🥁 Sho	w All Group by:	No Grouping	•	₽	Start
Name	Status	.NET CLR V	Managed Pipel	Identity	Applications		Stop
.NET v4.5	Started	v4.0	Integrated	ApplicationPoolld	0	~	Recycle
.NET v4.5 Classic	Started	v4.0	Classic	ApplicationPoolld	0		Edit Application Pool
Catalog	Started	v4.0	Integrated	ApplicationPoolld	2		Basic Settings
DefaultAppPool	Started	v4.0	Integrated	ApplicationPoolld	1		Recycling
í.	Started	v4.0	Integrated	ApplicationPoolld	7		Advanced Settings
IQSWebPool	Started	v4.0	Integrated	ApplicationPoolld	1		Rename
<u>í</u>	Started	v4.0	Integrated	ApplicationPoolld	2	×	Remove
đ	Started	v4.0	Integrated	ApplicationPoolld	3		View Applications
							Help

- 4. The application pool should now be restarted and the IQSweb application should be able to be loaded.
- ff. FIRST TIME IQSweb USERS: You can login with (case sensitive):

Username: IQSweb Password: IQSweb\$2010

You will be prompted to change your password on the first login.

NOTE: Once logged in to IQSweb, will need to enter NEW user ids for all of your IQS users.

If you are upgrading from a previous version of IQSweb, your same login ids from the previous version are available.

gg. After logging in, you should see a page similar to the one below. No persons will be displayed if you are installing IQSweb for the first time.



Click on the **Help** link in the upper right for instructions on getting started using IQSweb.