

Worksoft Process Intelligence Installation Guide

Worksoft Process Intelligence Installation Guide

Version 14

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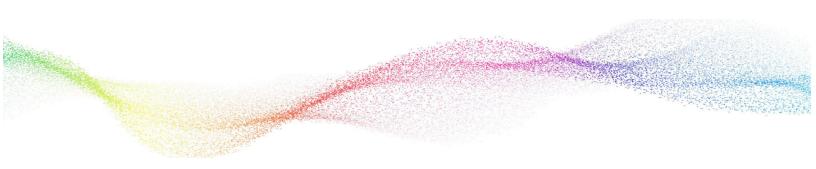
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Chapter 1 Before You Install Process Intelligence

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Overview

Before installing and configuring Worksoft Process Intelligence, complete the following tasks:

- Install and configure Worksoft Portal and all infrastructure services.
- Verify that your Process Intelligence server has the needed system requirements installed.
 Process Intelligence can not be installed on the same server as Worksoft Portal.
- Configure Microsoft[®] Internet Information Services (IIS) on your Process Intelligence Server.
- Enable IIS Services.

Installing Worksoft Portal and Infrastructure Services

Process Intelligence leverages information from the administration tool Worksoft Portal and its infrastructure services. The Worksoft Portal registers database settings, licenses, users, and integrations for Worksoft products.

When installing Worksoft Portal, use the external URL for the Authentication service, and do not use a localhost. If you use a localhost, it will cause the applications to break.

You must use a fully qualified domain name or a Domain Name System (DNS) alias.

Go to the Worksoft Customer Portal to download Worksoft Infrastructure Services.

To view the Worksoft Infrastructure Services system requirements and installation guide, see the Worksoft Help Portal.

Verifying Process Intelligence System Requirements

Verify that your environment has the needed system requirements installed. For information about system requirements and port requirements, see the Worksoft Help Portal.

Process Intelligence can not be installed on the same server as Worksoft Portal. The Process Intelligence server must have public Internet access.

You must use a fully qualified domain name or a Domain Name System (DNS) alias.

Configuring the Process Intelligence Application Server

In order to transform your application server into a web server to host Process Intelligence, Microsoft® Internet Information Services (IIS) must be installed and the Server Manager must be configured.

These procedures assume that you have not already configured your IIS. If you have already set up the Roles and Features, verify that the following Role Services on page 14 have been selected.

Adding Roles and Features

The Server Manager allows you to add specific roles and features to your web server that are required for Worksoft products.

• To add roles and features to your web server:

1 From the Start menu, select **Server Manager**.

The Server Manager opens.

🚡 Server Manager					1	- C	x u
Server M	lanager • Dashboard			• 🕄 🚩 Mana	ge Tools	View	Help
Dashboard	WELCOME TO SERVER MANAGE	R	Photosofie nei si de Photos Sectoros de UPP Photosofi (en				
All Servers	A REAL PROPERTY AND A REAL	onfigure this local server					
	QUICK START	Add roles and features					
	WHAT'S NEW 4	Add other servers to manage Create a server group					
	5 LEARN MORE	Connect this server to cloud services					Hide
	ROLES AND SERVER GROUPS Roles: 1 Server groups: 1 Servers	c total: 1					
	File and Storage Services	1 Local Server 1	All Servers 1				
	Manageability Events Performance	Manageability Events Services	Manageability Events Services				
	BPA results	Performance BPA results	Performance BPA results				
		6/16/2023 14:00	6/16/2023 14:00				

- 2 In the Navigation pane, select **Dashboard**.
- 3 In the Summary Tasks pane, select **Add Roles and Features**.

The Add Roles and Features Wizard opens.

📥 Add Roles and Features Wizard			-		×
Before you begin Lefore You Begin Installation Type Server Selection Server Roles Features Confirmation Results	This wizard helps you install roles, role services, or features. You detend features to install based on the computing needs of your organization hosting a website. To remove roles, role services, or features: Start the Remove Roles and Features Wizard Before you continue, verify that the following tasks have been complet • The Administrator account has a strong password • Network settings, such as static IP addresses, are configured • The most current security updates from Windows Update are install. If you must verify that any of the preceding prerequisites have been of complete the steps, and then run the wizard again. To continue, click Next.	mine which rol n, such as sharii sted: ed	es, role ng doci	uments, c	or or
	STICTIOUS NEXC	Instal		Cance	•

4 Click Next.

The Select Installation Type page opens.

📥 Add Roles and Features Wizard			E.		×
Select installation type			DESTINA	TION SERV	ER
Installation Type Imach Server Selection Cc Server Roles R Features Installation	the installation type. You can install roles and features on a r ine, or on an offline virtual hard disk (VHD). Ole-based or feature-based installation Infigure a single server by adding roles, role services, and feature mote Desktop Services installation tall required role services for Virtual Desktop Infrastructure (V session-based desktop deployment.	ures.			6447
	< Previous Next >	Insta		Cance	

5 Select the **Role-based or feature-based Installation** option.

6 Click Next.

The Select Destination Server page opens.

📥 Add Roles and Features Wizard	d			- □	Х
Select destination	n server			DESTINATION SERVER	ł
Before You Begin Installation Type Server Selection Server Roles		from the server pool	to install roles and features.		
Features Confirmation	Filter:				
Results	Name	IP Address	Operating System		
	1 Computer(s) four		ndows Server 2012 or a newer	r release of Windows Server.	

- **7** Select a server.
- 8 Click Next.

The Select Server Roles page opens.

🚘 Add Roles and Features Wizard		– 🗆 X
Select server roles		DESTINATION SERVER
Before You Begin Installation Type	Select one or more roles to install on the selected server. Roles	Description
Server Selection Server Roles	Active Directory Federation Services Active Directory Lightweight Directory Services	 Web Server (IIS) provides a reliable, manageable, and scalable Web application infrastructure.
Features Confirmation Results	 Active Directory Rights Management Services Device Health Attestation DHCP Server Flax Server Fax Server File and Storage Services (1 of 12 installed) I of a bit Sorage Services (Installed) Host Guardian Service Hyper-V Network Policy and Access Services Print and Document Services Remote Access Remote Desktop Services Volume Activation Services Veb Server (IIS) (21 of 43 installed) Windows Server Update Services 	y y application intrastructure.
	< Previous	Next > Install Cancel

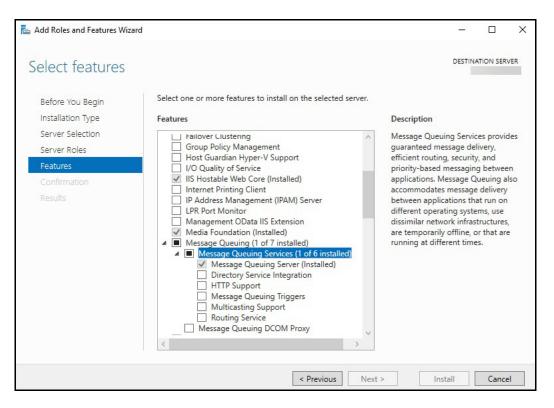
- **9** From the Server Roles list, select the following roles:
 - File Services
 - Web Server (IIS)
- 10 Click Next.

The Select Features page opens.

📥 Add Roles and Features Wizard			- 0 X
Select features			DESTINATION SERVER
Before You Begin Installation Type Server Selection Server Roles Features Confirmation Results	Select one or more features to install on the selected se Features Image: NET Framework 3.5 Features Image: NET Framework 4.8 Features (Installed) Image: Network Unlock Image: Network	erver.	Description .NET Framework 4.8 provides a comprehensive and consistent programming model for quickly and easily building and running applications that are built for various platforms including desktop PCs, Servers, smart phones and the public and private cloud.
	< Previous	Next	> Install Cancel

- **11** Select the following features:
 - .NET Framework 4.8 Features and all of its child nodes
 - WCF Services and all of its child nodes
 - IIS Hostable Web Core and Media Foundation

12 Verify that Message Queuing Services and Message Queuing Server are enabled.

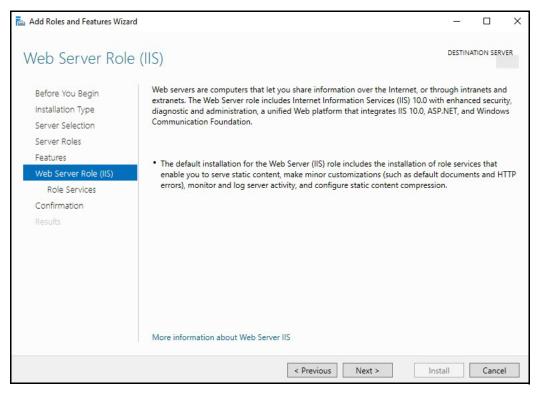


- **13** Use the scroll bar to verify the **Windows Process Activation Service** is enabled with the following child nodes:
 - Process Model
 - Configuration APIs
- 14 Click Next.

Configuring the Web Server Role (IIS)

The Web Server Role (IIS) page opens if you have not already installed the web server.

1 In the Navigation pane, click **Role Services** under Web Server Role (IIS).



The Select Role Services page opens.

2 In the Role Services list, use the scroll bar to select the following services.

If you have already set up the Roles and Features, verify that the following services have been selected.

Node	Child Nodes
Common HTTP Features	Default Document
	Directory Browsing
	HTTP Errors
	Static Content
	WebDAV - Verify that this option is disabled. Worksoft's RESTful Services will not work correctly if enabled.
Health and Diagnostics	HTTP Logging
	Request Monitor
Performance	Static Content Compression
	Dynamic Content Compression
Security	Request Filtering
	Basic Authentication
Application Development	.NET Extensibility 4.8
	Application Initialization
	ASP
	ASP.NET 4.8
	CGI
	ISAPI Extensions
	ISAPI Filters
	WebSocket Protocol
Management Tools	IIS Management Console
	IIS Management Scripts and Tools
	Management Service

3 Click Next.

The Confirm Installation Selections page opens.

4 Click **Install** to install the role services.

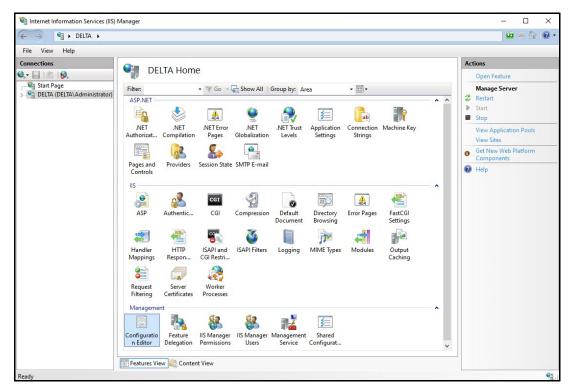
Configuring Application/Json MIME Type Compression

After you have enabled Dynamic Content Compression within IIS, you need to verify HTTP Compression for the application/json MIME type. Worksoft uses Dynamic Content Compression to improve performance, and HTTP compression must be enabled for the application/json MIME type.

When the Dynamic Content Compression feature is enabled, it will overwrite any previous HTTP compression settings.

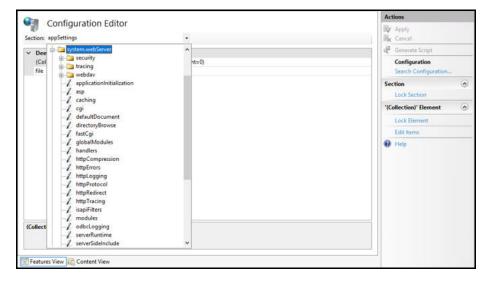
To verify application/json MIME type compression:

- 1 Open **IIS Manager**.
- 2 In the left Navigation pane, click on your server.
- 3 In the Management section, double-click the **Configuration Editor**.



The Configuration Editor opens.

4 From the Section drop-down list, select **system.webServer > httpCompression**.



5 In the httpCompression section, click **dynamicTypes**.

Configuration Editor ction: system.webServer/httpCompression			By Apply By Cancel
Deepest Path: MACHINE/WEBROOT/APPHOS	r	^	de Generate Script
(Collection)	(Count=1)		Configuration
cacheControlHeader	max-age=86400		Search Configuration
directory	%SystemDrive%\inetpub\temp\IIS Temporary Compressed Files		Section
doDiskSpaceLimiting	True		
dynamicCompressionBufferLimit	65536		Lock Section
dynamicCompressionDisableCpuUsage	90		'dynamicTypes' Bement
dynamicCompressionEnableCpuUsage	50		
dynamic Types	(Count≃5)		Lock Element
expiresHeader	Wed, 01 Jan 1997 12:00:00 GMT		X Remove
maxDiskSpaceUsage	100		Edit Items
minFileSizeForComp	2700		Help
noCompressionForHttp10	True		e nop
noCompressionForProxies	True		
noCompressionForRange	True		
sendCacheHeaders	False		
staticCompressionDisableCpuUsage	100		
staticCompressionEnableCpuUsage	50	- 10	
staticCompressionIgnoreHitFrequency	False		

6 Verify that **application/json** is listed in the dynamic compression mime types. If it is not listed, click the **Add** button in the Collection section to add it.

Collection Editor - system.we	bServer/ht	tpCompression/dynamicTypes/		1	×
Items:				Actions:	
mimeType text/* message/* application/savascript */* application/joon	True True	Entry Path MACHINE/WEBROOT/APPHOST MACHINE/WEBROOT/APPHOST MACHINE/WEBROOT/APPHOST MACHINE/WEBROOT/APPHOST MACHINE/WEBROOT/APPHOST		Collection Add Char All Hem Properties Lock Itom X Remove W Hulp Online Help	9
< Properties: enabled mimeType		* True * application/joon	>		
enabled Data Type:bool					

After you completed your verification or addition, click the Close button
 The Configuration Editor opens.

Configuration Editor			The changes have b successfully saved.	een
ection: system.webServer/httpCompression	•			
Deepest Path: MACHINE/WEBROOT/APPHOST	r	^	Actions	
(Collection)	(Count=1)		By Apply	
cacheControlHeader	max-age=86400		Be Cancel	
directory	%SystemDrive%\inetpub\temp\IIS Temporary Compressed Files		Generate Script	
doDiskSpaceLimiting	True			
dynamicCompressionBufferLimit	65536		Configuration	
dynamicCompressionDisableCpuUsage	90		Search Configuration	B+++
dynamicCompressionEnableCpuUsage	50		Section	
dynamicTypes	(Count=6)		Lock Section	
expiresHeader	Wed, 01 Jan 1997 12:00:00 GMT			
maxDiskSpaceUsage	100		'dynamicTypes' Elemen	t
minFileSizeForComp	2700		Lock Element	
noCompressionForHttp10	True		× Remove	
noCompressionForProxies	True		Edit Items	
noCompressionForRange	True			_
sendCacheHeaders	False	- 11	Help	
staticCompressionDisableCpuUsage	100			
staticCompressionEnableCpuUsage	50			
staticCompressionIgnoreHitFrequency	False	~		
dynamicTypes				

- 8 Click **Apply** to apply your changes.
- **9** Verify that dynamicTypes lists a count of six.
- **10** Close the editor.

Enabling IIS Services

You will now need to verify that several IIS services are enabled.

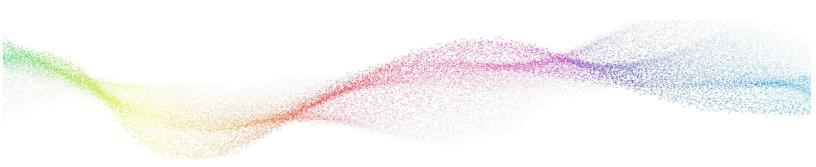
• To verify IIS services are enabled:

1 If the Server Manager is not open, select **Administrative Tools > Server Manager** from the Start menu.

The Server Manager opens.

- 2 In the Navigation pane, select **IIS**.
- **3** Scroll down to the Services section.
- 4 In the Services pane, verify that the following services are enabled and running:
 - World Wide Web Publishing Service
 - Web Management Service
 - Application Host Helper Service
 - Windows Process Activation Service
- **5** If any of these window services are not running, start the services.

To start a service, select the service from the list and click **Start** in the right menu. You can also start services by going to **Administrative Tools > Services** on your machine.



Chapter 2 Installing Worksoft Process Intelligence

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Process Intelligence Package

Component	Description
Worksoft Process Intelligence (version).exe	Executable that installs Process Intelligence.
WorksoftCertifyResultsExporter (version).exe	Executable that installs Worksoft Certify Results Exporter.
	The Certify Results Exporter is used to export results from Worksoft Certify to Process Intelligence.
PIDatabaseScripts. (version).zip	Zip file contains the utility and database scripts that create and upgrade your Process Intelligence database.
CREDatabaseScripts. (version).sql	Zip file contains the utility and database scripts that create and upgrade your Certify Results Exporter database.

The Process Intelligence package consists of the following components:

Installing Process Intelligence

Verify that your environment has the needed system requirements installed before you begin to install Process Intelligence. For information about system requirements and port requirements, see the Worksoft Help Portal.

To install Process Installation:

1 In your software distribution folder, double-click the **Worksoft Process Intelligence (version).exe** file.

The Worksoft Process Intelligence Install Wizard opens.



2 Click Next.

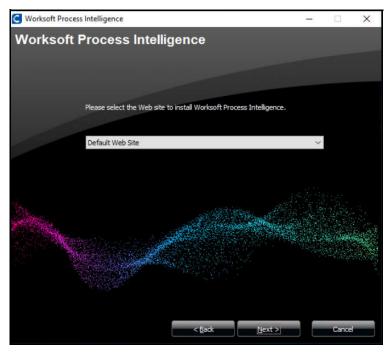
When the system analysis has completed, the Destination Folder page opens.



3 If you want to accept the default directory for your installation files, click **Next**.

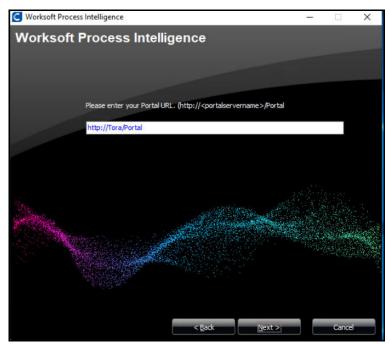
If you do not want to accept the default directory for the installation files, click the **Change** button to select a different installation directory, and then click **Next**.

The Process Intelligence URL page opens.



- Enter the external URL address for Process Intelligence.
 You must use a fully qualified domain name or a Domain Name System (DNS) alias.
 Example: https://servername.worksoft.com
- 5 Click Next.

The Worksoft Portal URL page opens.



6 Enter the external URL address for Worksoft Portal. You must use a fully qualified domain name or a Domain Name System (DNS) alias. Example: https://servername.worksoft.com/portal

The Ready to Install page opens.

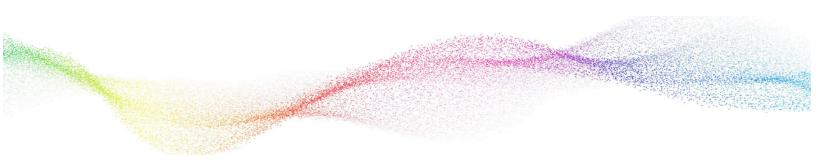


7 Click Next.

The Worksoft Process Intelligence Installation Completed page opens.



8 Click **Finish** to complete the installation.



Chapter 3

Creating and Configuring a Process Intelligence Database

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Creating a Process Intelligence Database

To use Process Intelligence, you need to create a database on your Microsoft® SQL Server. Use the Apply utility tool that is provided in your Worksoft Process Intelligence distribution package.

If you are creating a database on a remote server, the SQL Server must be installed on that server.

• To populate the Process Intelligence database:

- **1** From your Process Intelligence distribution package, unzip the **PIDatabaseScripts (version).zip** file.
- 2 In the PIDatabaseScripts (version) folder, navigate to the following directory:

PIDatabaseScripts > PIDatabase

3 Double-click **Apply.exe**.

The Create Worksoft Process Intelligence Database tool opens.

Important						
📥 After you h	de, back up your d we upgraded your o o ensure a succes	database, test the	database befo	re adding it t	to	
Database Configura	ion					
Database Server:						
Database Name:						
	Windows Auth	nentication ?				
User ID:						٦
Password:						
	Hear ID must have	e permissions to cre	aste undste s	nd delete di	atabaeae	

- 4 In the Database Server field, enter the server name.
- **5** In the Database Name field, enter the database name.
- 6 If you want to use Windows authentication, select the **Windows Authentication** option.
- 7 If you want to use SQL Server authentication, enter the SQL Server user name and password in the respective fields.
- 8 Click the **Start** button.

The Apply utility begins to create a new database. After the database creation process is completed, a message opens. You are now ready to configure your Process Intelligence database in Worksoft Portal.

Upgrading Your Database

When you upgrade the Process Intelligence database, you will need to run the Apply tool in the PIUpdateDatabase folder. If there are patches to be applied, refer to the Readme file for information on how to upgrade your database.

Registering Process Intelligence

You will notice that this product appears as registered when you sign into Worksoft Portal in the browser.

Example: https://servername.worksoft.com/portal

Product and services automatically register themselves in the Worksoft Portal when they are installed.

If for some reason Process Intelligence does not automatically register, you can trigger the registration by manually loading Process Intelligence from the Process Intelligence API Swagger page:

https://<servername>/processintelligence/swagger.

Opening the Swagger page automatically registers Process Intelligence.

Configuring the Process Intelligence Database in Worksoft Portal

After preparing your database, next you need to configure your Process Intelligence database in Worksoft Portal.

You must be a super user to add a database to the Portal.

To configure Process Intelligence database:

1 From your browser, open and sign into Worksoft Portal.

Example: https://servername.worksoft.com/portal

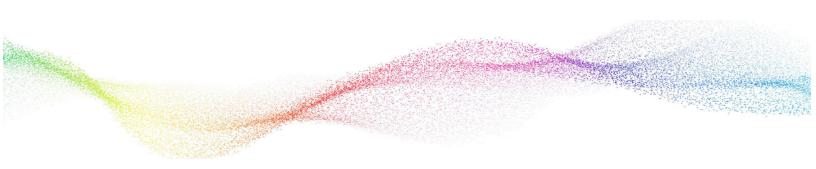
2 From the Worksoft Portal menu, select **Product Configuration > Process Intelligence**.

The Process Intelligence Configuration page opens.

Process Intelligence				
Process Intelligence	(12.0.2209.372) URL - https://wolverine.worksoft.	com/ProcessIntelligence		Deregister
Database Configuration	l.			
Process Intelligence	Database Connection - Connected (1.0.0)			
SQL Server		Database Name		
Use Trusted Connection	ection (Windows)			
SQL Username		SQL Password		
		•••••		
Test			Save	
Process Intelligence co	nfigurations			
Is On-premise Installation?	□ Is On-premise Installation?			
Files Storage Path	C:\Worksoft\ProcessIntelligence\PIFiles			~
(for On-premise)				

- **3** In the Database Configuration section, enter the following information for your Process Intelligence database in the respective fields:
 - SQL server
 - Database name
 - SQL user name
 - SQL password
- 4 If you want to use Windows Authentication instead of SQL Server Authentication, select **Use Trusted Connection (Windows)**.
- **5** Click **Test** to test the connection.
- 6 Click Save.
- 7 If you have an on-premise installation, select the **Is On-premise Installation?** option in the Process Intelligence Configurations section.
- 8 In the File Storage Path field, enter the file path where you intend to store your files if you are not using the cloud for storage.

The Process Intelligence database configuration is complete.



Chapter 4 Configuring Process Intelligence

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Overview

Before you can use Worksoft Process Intelligence, you need to complete the following tasks:

- Extract public and private keys from a Windows certificate
- Configure public and private keys in Process Intelligence
- Verify that the Process Intelligence task is running

Extracting Public and Private Keys

After installing Process Intelligence, you need to configure a Windows certificate to use with Process Intelligence. Process Intelligence API requires public and private keys for authentication.

These public and private keys need to be extracted from the same certificate that is being used by Process Intelligence.

Public and private keys can have any of following extensions:

- CER
- CRT
- PEM

Process Intelligence default extension is **PEM**. If you use the CER and CRT extension, then you will need to do additional configuration in Process Intelligence.

Public and private keys do not need to have same extension in Process Intelligence.

OpenSSL Tool

Use the OpenSSL tool to extract the public and private keys from the certificate. The OpenSSL tool is an open-source command line tool that is commonly used to extract public and private keys. To download the tool, go to https://www.openssl.org/source/.

OpenSSL for Windows has dependency on Microsoft[®] Visual C++ 2008 Redistributable Runtime. If it is not installed on the client machine, then it can be downloaded here.

Certificates are password protected. Clients must provide a password along with their certificate to extract public and private keys.

To extract a public key with the OpenSSL tool:

Open the OpenSSL command tool to extract the public key. A public key can be extracted from certificate.pfx or certificate.p12 with any of the following commands:

- openssl pkcs12 -in certificate.pfx -out certificate.crt -nokeys
- openssl pkcs12 -in certificate.pfx -out certificate.cer -nokeys
- openssl pkcs12 -in certificate.pfx -out certificate.pem -nokeys

You will be prompted for the password that was used when creating the certificate.

Process Intelligence uses **certificate.pem** as its default public key.

To extract a private key with the OpenSSL tool:

Open the OpenSSL command tool to extract the private key. A private key can be extracted from certificate.pfx or certificate.p12 with any of the following commands:

- openssl pkcs12 -in certificate.pfx -nocerts -out privatekey.crt -nodes
- openssl pkcs12 -in certificate.pfx -nocerts -out privatekey.cer -nodes
- openssl pkcs12 -in certificate.pfx -nocerts -out privatekey.pem -nodes

You will be prompted for the password that was used when creating the certificate.

Process Intelligence uses **privatekey.pem** as its default public key.

Configuring Public and Private Keys in Process Intelligence

After you have extracted the public and private keys, you will now add them to Process Intelligence.

To add public and private keys to Process Intelligence:

1 Go to the following folder on the machine where Process Intelligence is installed:

C:\Program Files (x86)\Worksoft\ProcessIntelligence\ETLServices

2 Copy and paste public and private keys to the ETLServices folder.

Configuring the appsettings.json File

The public and private keys are stored in the **appsettings.json** configuration file that is distributed with Process Intelligence.

If the name of your certificates are different from the default names, **certificate.pem** and **privatekey.pem**, then you need to modify the configuration file by adding the new file names.

To edit the appsettings.json file:

1 Go to the following folder on the machine where Process Intelligence is installed:

C:\Program Files (x86)\Worksoft\ProcessIntelligence

- 2 Open the **appsettings.json** file in a text editor.
- **3** Modify the last two lines in this section with the name of your key files:

```
"OnPremiseSettings": {
  "IsOnPremise": true,
  "BaseFolderPath": "C:\\Worksoft\ProcessIntelligence\PIFiles",
  "NetworkShareDomain": "",
  "NetworkShareOmputerName": "",
  "NetworkShareUserName": "",
  "NetworkSharePassword": "",
  "CertificateFolderPath": "./",
  "KeyFile": "privatekey.pem",
  "CertificateFile": "certificate.pem"
},
```

4 Save the updated file.

Verifying the Process Intelligence Task Is Running

Next, you need to open the Windows Task Scheduler to verify that the created Process Intelligence API (PIAPI) task is running or finished running successfully.

To verify the PIAPI task is running:

- 1 From the Windows Start menu, enter task scheduler in the Search window.
- 2 Select Task Scheduler from the search results.

The Task Scheduler opens.

3 In the Navigation pane, select **Task Scheduler Library**.

Task Scheduler				
File Action View Help				
	1 6			
Task Scheduler (Local)	Name	Status Triggers	Next Run Time	Last Run Time

- 4 Right-click the **PIAPI** task and select **Run**.
- 5 Test the API status on a browser by going to https://<hostname>:5000/status.Do not use Windows Internet Explorer to test the status.

localhost:50	000/status	× +	
\rightarrow C	() localho	ost:5000/status	
API Running.	•		
	\rightarrow C	☐ localhost:5000/status → C ① localho API Running."	ightarrow () localhost:5000/status

You have completed your Process Intelligence configuration. Now you will install and configure Certify Results Exporter.

Chapter 5 Installing and Configuring Certify Results Exporter

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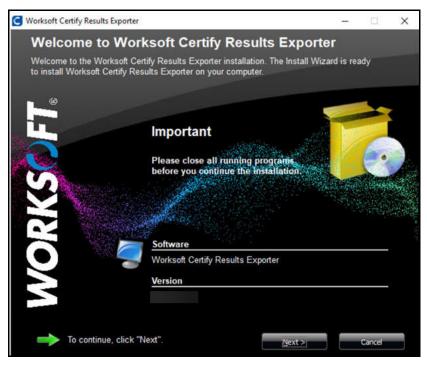
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Installing Certify Results Exporter

The Certify Results Exporter is used to export results from Worksoft Certify to Process Intelligence. The Exporter can be installed on the same server as Worksoft Portal or Process Intelligence as long as the product's system requirements are met.

To install Certify Results Exporter:

1 In your software distribution folder, double-click the **WorksoftCertifyResultsExporter** (version).exe file.



The Worksoft Certify Results Exporter Install Wizard opens.

2 Click Next.

C Worksoft Certify Results Exporter × **Destination Folder** Worksoft Certify Results Exporter will be installed inside the folder displayed below Available Disk Space: 46,996 MB Required Disk Space: 14,908 KB C:\Program Files (x86)\Worksoft Microsoft.NET Windows Defender Windows Mail Windows Media Player Windows Multimedia Platform windows nt Windows Photo Viewer Windows Portable Devices WindowsPowerShell Next >

When the system analysis has completed, the Destination Folder page opens.

3 If you want to accept the default directory for your installation files, click **Next**.

If you do not want to accept the default directory for the installation files, click the **Change** button to select a different installation directory, and then click **Next**.

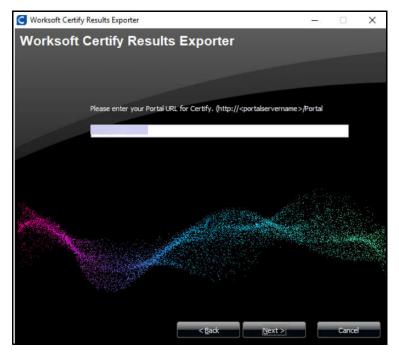
The Worksoft Certify Results Exporter URL page opens.



Enter the external URL address for Worksoft Certify Results Exporter.
 You must use a fully qualified domain name or a Domain Name System (DNS) alias.
 Example: https://servername.worksoft.com

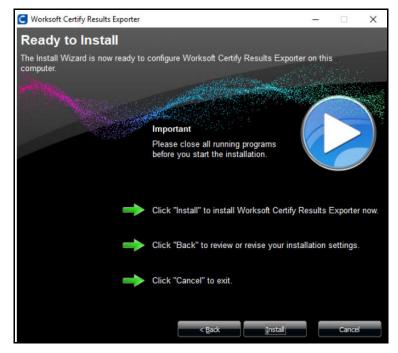
5 Click Next.

The Worksoft Portal URL page opens.



6 Enter the external URL address for Worksoft Portal.

The Ready to Install page opens.



7 Click Next.

Worksoft Certify Results Exporter

The Worksoft Certify Results Exporter Installation Completed page opens.

8 Click **Finish** to complete the installation.

Verifying Configuration

After you install the Worksoft Certify Results Exporter, you need to verify the URL addresses in the **appsettings.json** file.

In the C:\Program Files (x86)\Worksoft\Certify Results Exporter folder, verify the following values:

- Base URL Default value is https://<servername>/CertifyResultsExporter.
- ServerSettings:CertifyPortalUrl This value should be populated with the Worksoft Portal URL entered during installation.

Creating a Worksoft Certify Results Exporter Database

Next, you will create an empty SQL Server database for the Certify Results Exporter. This database can reside on the same server as your Worksoft Certify databases.

Use the Apply utility tool that is provided in your Worksoft Process Intelligence distribution package.

• To populate the Certify Results Exporter database:

- **1** From your Process Intelligence distribution package, unzip the **CREDatabaseScripts (version).zip** file.
- 2 In the CREDatabaseScripts (version) folder, navigate to the following directory:

```
CREDatabaseScripts > CREDatabase
```

3 Double-click **Apply.exe**.

The Create Worksoft Certify Results Exporter Database tool opens.

Important		
After you h	ade, back up your database. ave upgraded your database, test the database before adding it to to ensure a successful upgrade.	
Database Configura	tion	
Database Server:		
Database Name:		٦
	Windows Authentication ?	
User ID:		٦
Password:		
	User ID must have permissions to create, update, and delete databases.	

- 4 In the Database Server field, enter the server name.
- **5** In the Database Name field, enter the database name.
- **6** If you want to use Windows authentication, select the **Windows Authentication** option.
- 7 If you want to use SQL Server authentication, enter the SQL Server user name and password in the respective fields.
- 8 Click the **Start** button.

The Apply utility begins to create a new database. After the database creation process is completed, a message opens.

You are now ready to configure your Certify Results Exporter database in Worksoft Portal.

Upgrading Your Database

When you upgrade the Certify Results Exporter database, you will need to run the Apply tool in the **CREUpdateDatabase** folder. If there are patches to be applied, refer to the Readme file for information on how to upgrade your database.

Registering Certify Results Exporter

You will notice that this product appears as registered when you sign into Worksoft Portal in the browser.

Example: https://servername.worksoft.com/portal

Product and services automatically register themselves in the Worksoft Portal when they are installed.

If for some reason the Certify Results Exporter does not automatically register, you can trigger the registration by manually loading Certify Results Exporter from the Certify Results Exporter API Swagger page:

https://<servername>/CertifyResultsExporter/swagger.

Opening the Swagger page automatically registers Certify Results Exporter.

Configuring the Certify Results Exporter Database in Worksoft Portal

After preparing your database, you need to configure your Certify Results Exporter database in Worksoft Portal.

You must be a super user to add a database to the Portal.

To configure the Certify Results Exporter database:

1 From your browser, open and sign into Worksoft Portal.

Example: https://servername.worksoft.com/portal

- 2 From the Worksoft Portal menu, select **Product Configuration > Certify Results Exporter**. The Certify Results Exporter Configuration page opens.
- **3** In the Database Configuration section, enter the following information for your database in the respective fields:
 - SQL server
 - Database name
 - SQL user name
 - SQL password
- 4 If you want to use Windows Authentication instead of SQL Server Authentication, select **Use Trusted Connection (Windows)**.
- **5** Click **Test** to test the connection.
- 6 Click Save.
- 7 If you have an on-premise installation, select the **Is On-premise Installation?** option in the Certify Results Exporter Configurations section.
- 8 In the File Storage Path field, enter the file path where you intend to store your files if you are not using the cloud for storage.

The configuration is complete. To learn how to use the Exporter, see the Worksoft Help Portal.