

November 2021



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- WATS Client Installation
- Configure the WATS Client
- WATS Client Upgrade
- Unattended client install
- Converter setup



# WATS Client installation

#### Navigate to <a href="https://download.wats.com">https://download.wats.com</a>

Select the correct installation file depending on what operating system you run (32 or 64 bit). Run (double click) the downloaded .msi file.

To upgrade the Client from a previous version, see the WATS Client Upgrade section below.

#### Step 1

The start page displays the version of the WATS Client that will be installed. Click "Next >" to continue.

⊮ WATS Client 6.0 (64bit) Setu	p – 🗆 X
Sé WATS	Welcome to the WATS Client 6.0 (64bit) Setup Wizard The Setup Wizard will install WATS Client 6.0 (64bit) on your computer. Click Next to continue or Cancel to exit the Setup Wizard.
	Back Next Cancel

#### Step 2

Read and accept the terms in the License Agreement.

**IMPORTANT:** Carefully read the license before using this Product. Installing, copying or otherwise using WATS indicates your acknowledgement that you have read the license and agreed to its terms.

Click "Next >" to continue.

👹 WATS Client 6.0 (64bit) Setup	-		×
End-User License Agreement		۵ľ	
Please read the following license agreement carefully		W	ATS
CAREFULLY READ THIS LICENSE BEFORE USING THIS PRO			î
INSTALLING, COPYING OR OTHERWISE USING WATS IN			
YOUR ACKNOWLEDGEMENT THAT YOU HAVE READ THIS	S LICE	NSE	
AND AGREED TO ITS TERMS.			
WATS CLIENT - End User License Agreeme	nt		
Subject to the following terms and conditions, Virinco you ("User") a limited, non-exclusive, non transferabl use WATS Client, install procedure and related docum	e licer	nse to	~
I accept the terms in the License Agreement			
Print Back Next	t	Can	icel



## Step 3

Select the appropriate license type by clicking either the Production or the Development button.

记 WATS Client 6.0 (64bit) Setup —		×
Choose License Type	۵ć	
Choose the license type for this installation	WA	TS
Production Installs features for running in production environment.		
Development Development features will be installed. Not for use in production.		
Back Next	Cancel	

#### Step 4

Select which optional features to install, and then click "Next >" to continue.

记 WATS Client 6.0 (64bit) Setup	– 🗆 🗙
Custom Setup	٩ć
Select the way you want features to be installed.	WATS
Click the icons in the tree below to change the wa	ay features will be installed.
WATS Package Manager	Installs the Package Manager for downloading and installing software packages.
	This feature requires 356KB on your hard drive.
	Browse
Reset Disk Usage	Back Next Cancel

Step 5 Ready to Install Click "Install" to continue.



👹 WATS Client 6.0 (64bit) Setup	- 🗆 X
Ready to install WATS Client 6.0 (64bit)	So wats
Click Install to begin the installation. Click Back to review or change any installation settings. Click Cancel to exit the wizard.	of your
Back 💱 Install	Cancel
User Account Control × Do you want to allow this app to make changes to your device?	
WATS Client	

Windows may display a UAC message box. Click Yes/Allow/Continue to continue the installation.

## Step 6

Verified publisher: Virinco AS File origin: Hard drive on this computer

ore details

Yes

You have now successfully installed the WATS Client. Click "Finish".

No

🖟 WATS Client 6.0 (64bit) Setu	р	_		×
Se wats	Completed the WATS Clie Setup Wizard Click the Finish button to exit the Set			)
	Back Finis	h	Cance	el

After successful installation, the WATS Configurator should start automatically.



# Configure the WATS Client

If the WATS Client configure application does not start automatically, you can launch the application by right clicking on the WATS Icon in the notification area. Select "Configure".

		Open Client Monitor
-		Open Yield Monitor
	86	Open Package Manager
•	<b>1</b> 6	Configure
	24	Exit
		00% 🛨 Give Feedback to Mi
	^ 🥧	「 🕮 🧖 引い) ENG 3:24 PM NO 05/05/2020

### Step 1 - Setup

• If your OS is set up with UAC (User Access Control), you must accept this. The configuration requires the local admin rights on your machine.

User Account Control	$\times$
Do you want to allow this app to make changes to your device?	
😵 WATS Client Configurator	
Verified publisher: Virinco AS File origin: Hard drive on this computer	
Show more details	
Yes No	

• The Setup dialog is displayed, enter the information requested.

& WATS Client			- 🛙 ×
Setup	Setup		
Proxy Settings	Station name	WATS-CT006	
Support		The station name is equal with the Windows comput edited in Windows.	er name and must be
	Location	Drammen, Norway	
	Purpose	SW Tester	
		The Location and Purpose is used to identify the test displayed in the UUT report and the WATS Dashboard	
	Account / Server	https://not-configured.skywats.com/	
		The registred WATS server URL (e.g https://virinco.wa	its.com)
	Username		
	Password	******	
		LOG IN SIGN UP	
Virinco © 2019   WATS.com	5.1.0.62	APPLY OK	CANCEL

- Station name is equal to Windows name (edit in Windows settings)
- Enter the Location and Purpose of the computer.
- Enter your WATS Server URL.
- Enter a valid username and password (same credentials as used to log in to the WATS web application). The user must have access to register new clients.
  - For remote installations of clients, you should not distribute your Username and Password. Instead, you can use a Token. Add the Token in the Password



field and leave Username blank. See <u>https://virinco.zendesk.com/hc/en-us/articles/360014579951</u>

• Click the Log In button to continue with the client registration process.

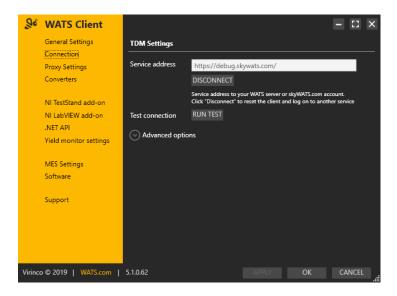
If you need to set up proxy settings to access the WATS server, you can click Proxy Settings on the left menu before clicking the Log In button.

On successful registration you will see this message box.

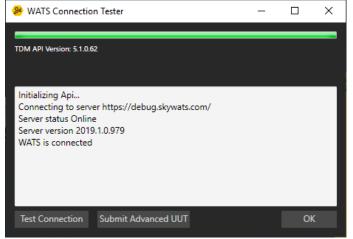
Register Client	×
Succesfully registered client	
OK	]

## Step 2 - Verify

To verify the connection to the server, you can click Connection on the left menu, and then click run test.



#### The application will connect to the service and return status





You can also click the Test Connection or Submit Avanced UUT to verify that the server will accept reports from this client.

🤒 WATS Connectio	n Tester	_		×
TDM API Version: 5.1.0.6	j2			
Initializing Api Connecting to serv Server status Onlin Server version 2019 WATS is connected	9.1.0.979	s.com/		
Adding part info, m				
Generating Advance Adding Part Inform Adding Misc Inform UUT Report Success Initializing Wats Ap Api Initialization Co Submitting UUT Re Upload Complete.	ation nation fully Generated. ni. omplete.			
Test Connection	Submit Advanced UUT	i	O	ĸ



## Step 3 – add-on

#### NI TestStand

If you are to use the WATS Client for fully automated reporting, you must install the NI TestStand add-on (This requires that NI TestStand is pre-installed). Click on the NI TestStand add-on link in the TDM Settings sub menu.

& WATS Client				- :: ×
General Settings	NI TestStand add-on			
Connection Proxy Settings	-	tand installations to add WATS lo		
Converters	TestStand 2014 64-bit	Unconfigured		
NI TestStand add-on	TestStand 2016 64-bit TestStand 2017 64-bit	Unconfigured Unconfigured		
NI LabVIEW add-on .NET API	TestStand 2019 64-bit	Unconfigured		
Yield monitor setting:	•			
MES Settings				
Software				
Support				
Virinco © 2019   WATS.com	n   5.1.0.63		ОК	CANCEL

Select the version of TestStand you want to configure and click "Install". A confirmation message will be displayed on successful integration.

NOTE: Make sure any TestStand and LabVIEW application is closed.

Teststand integration completed	
Succesfully installed WATS Add-on for TestStand 2019 64-bit	
ОК	



<b>WATS Client</b>				- 11 X
General Settings Connection	NI TestStand add-on	tand installations to add WATS lo	gging	
Proxy Settings Converters	TestStand 2014 64-bit TestStand 2016 64-bit	Unconfigured Unconfigured	Install Install	
NI TestStand add-on NI LabVIEW add-on	TestStand 2017 64-bit	Unconfigured	Install	
.NET API Yield monitor settings	TestStand 2019 64-bit	Configured for WATS	ReInstall	Uninstall
MES Settings Software				
Support				
Virinco © 2019   WATS.com	5.1.0.63	APPLY	OK	CANCEL

The list will change to indicate the status on each installed version

You should now be able to launch TestStand and successfully log to WATS.

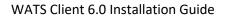
**NOTE:** If TestStand report a Type conflict (TS popup), select to load the "already loaded type" as resolving option.

#### NI LabVIEW

To utilize the WATS TDM LabVIEW toolkit, click on the NI LabVIEW add-on link in the WATS TDM sub menu. Select the version of LabVIEW you want to configure and click "Install". Restart LabVIEW after the installation.

Refer to the "WATS TDM LabVIEW toolkit – User Manual" for additional help. NET REQUIRED when using TestStand.

<u></u> % w	ATS Client				- [] ×	
Ger	neral Settings	NI LabVIEW add-on				
Pro	nnection xy Settings nverters	Select which LabVIEW installations to update with the WATS TDM LabVIEW toolkit. PS: You must restart LabVIEW after the installation. This update IS NOT required for TestStand Users				
		NI LabVIEW 2014	Unconfigured	Install	Uninstall	
	TestStand add-on	NI LabVIEW 2015	Configured for WATS	ReInstall	Uninstall	
	LabVIEW add-on T API	NI LabVIEW 2016	Unconfigured	Install	Uninstall	
Yiel	ld monitor settings	NI LabVIEW 2017	Unconfigured	Install	Uninstall	
ME	S Settings	NI LabVIEW 2018	Configured for WATS	ReInstall	Uninstall	
	tware	NI LabVIEW 2019	Configured for WATS	ReInstall	Uninstall	
Sup	port					
Virinco © 2	2019   WATS.com	5.1.0.63		OK	CANCEL	





#### WATS .NET API

The WATS .NET API is automatically installed with the WATS Client and can be used for creating UUT (Unit Under Test) or UUR (Unit Under Repair) reports from a stand-alone Visual Studio application, or other programming languages supporting .NET assemblies. Please see the help file and support pages for detailed descriptions.

& WATS Client		×
General Settings Connection Proxy Settings Converters NI TestStand add-on	.NET API The WATS .NET API is automatically installed with the WATS Client and provides the following features: Test Data Management (TDM): A toolset that enables you to generate and submit test data reports into WATS test data management system.	
NI LabVIEW add-on	Manufacturing Execution System (MES) A toolset used to log information and interact with manufacturing related systems in production.	
Yield monitor settings	WATS .NET API Documentation	
MES Settings Software		
Support		
Virinco © 2019   WATS.com	5.1.0.63 APPLY OK CANC	EL .:

#### WATS MES

The WATS Client allow you to use the WATS MES modules (Workflow, Software, Product & Production). The modules must be installed on the Master Server.

You can use the WATS MES functionality in the WATS API, or execute the *WATS MES – Test UUTs* execution entry point in TestStand, allowing you to force a workflow on the Units, download software (sequence files, VIs, other files and folders) or retrieve Product Information from the WATS Server. For more information, please contact Virinco.

## WATS Client Upgrade

You can upgrade WATS Client version 5.0 and 5.1 to 6.0. Download the WATS Client from <u>https://download.wats.com</u> and store it locally. Remember to select the correct installation file depending on what operating system you run (32 or 64 bit). Run (double click) the downloaded .msi file.

#### Upgrade a single computer

The installation procedure is the same as with a first-time install, but if you have a TestStand add-on installed for a TestStand version that is no longer supported you may encounter this message:



🖟 WATS Client 6.0 (64bit) Setup	×
	Unsupported TestStand versions detected
Sé WATS	Installed TestStand version(s) TestStand 3.1, TestStand 4.0 are not supported by WATS Client 6.0 (64bit). Click Next to continue anyway or Cancel to exit the Setup Wizard.
	Back Next Cancel

You can still upgrade the WATS Client, but the add-ons for the unsupported versions of TestStand will no longer work. Click "Next >" to continue anyway.

You may also encounter the files-in-use dialog:

₿	WATS Client 5.1 (64bit) Setup
	iles in Use Some files that need to be updated are currently in use.
	The following applications are using files that need to be updated by this setup. You can let Setup Wizard close them and attempt to restart them or reboot the machine later.
	WATS Client Trayicon
	Close the applications and attempt to restart them.
	O Do not close applications. A reboot will be required.
	OK Cancel

Click Ok, and the setup will close the applications and continue with the upgrade.

## Upgrade from WATS server

From WATS 2020.2, upgrade of WATS Client 6.0 can be scheduled in the System Manager. The client will download and upgrade itself the next time the machine is restarted. Newer clients will be made available as part of maintenance releases.



	Control panel	Q Search		ō 0	<b>?</b> AK
0	Generation SYSTEM MANAGER ☆     4 clients	+ New Virtual level × Remove + New Web client ≳ Clear log	🕃 Refresh log 🛛 🕺 Exp ्र View details 🌒 हत	port dit tree view	C O
\$	⊖ <sup>show Search</sup> All <del>v</del> des		KTOP-R4MRJDI		
⊕		Test Station	is offline.		
	<ul> <li>✓ debug.WATS.com</li> <li>□ DESKTOP-4VM0P0L</li> <li>□ DESKTOP-N10SP70</li> <li>□ TAL-DESKTOP-N9BCJU1</li> <li>□ DESKTOP-R4MRJDI</li> </ul>	<ul> <li>Physical r</li> <li>CLR versi</li> <li>WATS client</li> <li>CLIENT U</li> <li>A new client</li> <li>Update fr</li> </ul>	INFO         INFO <th< th=""><th>19.42000 () (192).</th><th>L SOFTV &gt;</th></th<>	19.42000 () (192).	L SOFTV >
		NI LABVI	W AND TESTSTAND ADD-ON	IS	

# Unattended WATS Client install

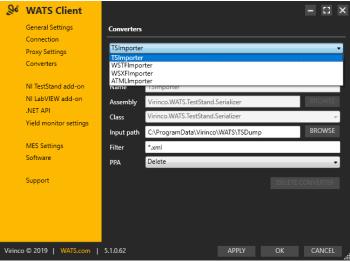
See this article:

https://virinco.zendesk.com/hc/en-us/articles/360027290731-How-to-do-an-unattended-Install-Setup-of-WATS-Client-5-x-

## Converter setup

## Built in converters

The client installs 4 converters by default. These can be viewed by clicking Converters on the left menu.



• TSImporter – converts reports from the TestStand Add-on.



- WSTFImporter WATS Standard Text Format, see <u>https://virinco.zendesk.com/hc/en-us/articles/207424623-Wats-Standard-Text-Format-WSTF-</u>
- WSXFImporter WATS Standard XML Format, see <u>https://virinco.zendesk.com/hc/en-us/articles/207424643-Wats-Standard-Xml-Format-WSXF-</u>
- ATMLImporter Teststand ATML format version 2.02, 5.0 and 6.01

To convert files, place your files in the corresponding Input path for the converter. Also check the Parameter Tab (see under)

#### Custom converters

Read more about creating custom converter on <u>https://virinco.zendesk.com/hc/en-us/sections/201690933-Converting-data</u>

To install a custom converter:

- Copy the assembly (a .net .dll) for example on the desktop.
- Select the Add Converter button, and fill in a Name.
- Click the Browse button to the right of the Assembly and select the .dll.
- The .dll can contain multiple converters. Select one from the Class combo box.
- Press the Browse button to the right of the Input Path and Create an input folder under the C:\ProgramData\Virinco\WATS folder

200	WATS Client	-
	General Settings	Converters
	Connection	
	Proxy Settings	SampleConverter
	Converters	Setup Parameters ADD CONV
	NI TestStand add-on	Name SampleConverter
	NI LabVIEW add-on	Assembly WATSConverter1 B
	NET API	Class WATSConverter1.SimpleConverter
	Yield monitor settings	
		Input path B
	MES Settings	Browse For Folder ×
	Software	Browse to folder for converter input files
		browse to rolder for converter input nes
	Support	
		V ProgramData ^
		> Microsoft
		Microsoft OneDrive
		> Packages
		regid.1991-06.com.microsoft
Virino	o © 2019   WATS.com	SoftwareDistribution
		USOPrivate     USOShared
		USOShared     Virinco
		VIIIICO VIIIICO
		ATMLFormat
		Reports
		SimpleDemo
		> TDM-Default
		> SDump
		WatsStandardTextFormat 🗸
		Make New Folder OK Cancel



300	WATS Client			-
	General Settings	Converters		
	Connection Proxy Settings	SampleCor	werter	
	Converters	Setup		
	NI TestStand add-on	Name	SampleConverter	
	NI LabVIEW add-on	Assembly	WATSConverter1	BR
	NET API	Class	WATSConverter1.SimpleConverter	
	Yield monitor settings	Input path		BR
	MES Settings Software	Browse For Fold	ler	×
	Software	Browse to folde	r for converter input files	
	Support			
		¥	ProgramData	^
		>	Microsoft Microsoft OneDrive	
		>	Packages	
			regid.1991-06.com.microsoft	
Virinco	© 2019   WATS.com		SoftwareDistribution	
		>	USOPrivate	
		>	USOShared	
		~	Virinco	
			ATMLFormat	
			Reports	
			SimpleDemo	
			> 🔄 TDM-Default	
			> SDump	
			WatsStandardTextFormat	~
		Make New Fo	lder OK	Cancel

- This is where the client will look for files also using the file mask given in Filter. It is
  recommended to use this folder as the "NETWORK SERVICE" local user needs modify
  rights to the file system. If you need to have it another place, see this article:
  <a href="https://virinco.zendesk.com/hc/en-us/articles/207424113-WATS-Client-Add-write-permission-to-NETWORK-SERVICE-on-file-system-to-allow-converter-access">https://virinco.zendesk.com/hc/en-us/articles/207424113-WATS-Client-Add-write-permission-to-NETWORK-SERVICE-on-file-system-to-allow-converter-access</a>
- In the PPA (Post Process Action) select between Delete, Move or Zip. Move will move the processed file to a Done folder, Zip will place it in a monthly archive.
- Next check and edit any Parameters to the converter by pressing the Parameters button. Parameters contains typically data that is not contained in the data files. Note that you can create multiple instances of the same converter with different drop folders and parameters.

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