August 2022

WATS Client 6.0 Release Note

Requirements list

- Windows
  - 8/8.1 - 32 and 64 bit
  - 10 – 32 and 64 bit
- Microsoft .NET Framework 4.6.2 (runtime 4.0)
- Connection to WATS Server, minimum server version: 2020.1

Optional

- **TestStand Add-on**: TestStand version 2012 – 2021 SP1
  (WATS add-on for TestStand 2012 supports LabVIEW 8.2.1 or above. TestStand 2013 supports LabVIEW 8.6.1 or above. TestStand 2014 supports LabVIEW 2009 or above. TestStand 2016 and 2017 supports LabVIEW 2013 or above. TestStand 2019 supports LabVIEW 2016 or above. TestStand 2020 and TestStand 2021 supports LabVIEW 2017 or above.)
- **LabVIEW toolkit**: LabVIEW 2012 – 2022 Q3
- **WATS API**: Microsoft Visual Studio 2017, 2019, 2022 (or any other editor/language that supports .NET assemblies)

Change history

6.0.263

Release date: 2022-08-15
Bugfixes:

- TestStand add-on did not work with TestStand 2021 (only 2021 SP1).
- WATS Client Service failed to restart after converter configuration.

6.0.262

Release date: 2022-08-03

- Added support for LabVIEW 2022 Q3.

6.0.261

Release date: 2022-08-03

- Added support for TestStand 2021 SP1.

6.0.260

Release date: 2022-06-24

- Added a setting for configuring the delay between uploading reports from the offline buffer.

Bugfixes:

- Software packages without any tags failed to download.
- ATML converter did not set measurement status, including on multiple measurement steps, only step status.
- ATML converter set wrong step name on SequenceCall steps.
- Setting step status on a step with single test should also set the test status, but did not work when the step variable was of type Step (as opposed to NumericLimitStep, etc).

6.0.257

Release date: 2022-04-04

- In WATS standard text format, if high limit is not set when it is not required the limit will not be NaN (not a number).

Bugfixes:

- When registering the WATS client directly in the API fails, the actual error was sometimes hidden and a null reference exception was thrown instead.
- The WATS Client did not periodically download changes to processes (test or repair operations).
- LabVIEW toolkit had a memory leak.
- If SW Debug test operation is disabled, Test Connection did not work.

6.0.247

Release date: 2022-01-18
Bugfixes:

- Setting step status on a step with single test to Done, Error, or Terminated did not work.

6.0.242

Release date: 2021-11-25
Bugfixes:

- In LabVIEW 2021, TDM object reference did not close properly.

6.0.240

Release date: 2021-11-17

- Added support for TestStand 2021 and LabVIEW 2021.
- Setting step status on a step with single test will also set the test status, which should remove issues with step and test having differing statuses in Import mode.
- Added installer property LAUNCHMODE, which can be set by unattended installation scripts to never or always open the WATS Client Configurator window after install. See the article 'Unattened install of WATS Client' on the Help Center.

Bugfixes:

- Reports were marked as .InvalidReport because of temporary file access issues.
- WSTF Importer did not use the fileEncoding parameter.
- WSTF Importer did not allow thousand separator.

6.0.235

Release date: 2021-09-14

- Shows converter state in Converters tab in Configurator, to show if a new installed converter starts running or fails.
- Added option for how many levels of assets to get with GetSubAssets in AssetHandler.
- Added error logging to catch Configurator startup problems.
- Switched to a FIPS compliant algorithm for storing proxy info.

Bugfixes:

- Converters failed on clients not registered to a WATS.
- WSXF Importer did not handle time zone offset in Start.
- TestStand Identify Product included inactive processes.
- CreateUUTReport in TDM failed silently when passing null as serial number, part number, or revision (continued with a report that is missing header data).
- MES API did not log errors caused by network errors.
- WATS Client NuGet package crashed on machines that have never had the WATS Client installed.

6.0.216

Release date: 2021-06-02

- Added Suspend, Resume, Cancel, AddUnit, and RemoveUnit to Workflow API.

Bugfixes:

- Renewed code-signing certificate.
- ATML Importer uses Import mode (uses Status in report instead of calculating it).
- LoadReport properly loads MiscInfo and Failures for UUR reports.

6.0.210

Release date: 2021-05-18
Bugfixes:

- Upgrading to 6.0.209 did not install standard converters.

6.0.209

Release date: 2021-04-16

- In Test Connection window, Submit Advanced UUT uses client's Location and Purpose.
- Changed the behaviour of the status banner popup in the WATS Add-On to use the standard TestStand popup instead if the WATS Option SequentialStatusTimeout = 0 (GeneralOptions.config). Only for TestStand 2019 and newer.

Bugfixes:

- Yield Monitor did not work with blank part number.
- TestStand XYGraph step used previous chart values if an error occurred.
- ATML Importer ignored tests with Comparison type Log.
- WATS.log showed wrong Windows version number.
- Having many Error reports in Reports folder caused new reports to never be sent.

6.0.205

Release date: 2021-02-23

- Added support for TestStand 2020.
- Added YieldMonitor API to TDM.
- WATS Package Manager will start in background on startup.

Bugfixes:

- Pending reports were counted twice.
- Default filter in WATS Package Manager was an invalid filter. Now it is station name.
- Fixed 'Send advanced UUT' in 'Test Connection'.
- Fixed issue where client thinks it is registered, but it isn't.

6.0.192

Release date: 2020-11-19

- Removed support for using PDF in converters. This will affect some custom converters; they will need to be updated.
- Fixed AddTest and AddMultipleTest so the API will not allow creating invalid reports.
- Added About text to Client Monitor.

Bugfixes:

- Location and purpose with non-ASCII characters became corrupted.
- Converters that had never started were not logged to server.
- Converters would fail on start-up if they had zero parameters.

6.0.180

Release date: 2020-10-12

- Deprecated Production.UpdateAttributes and replaced with UnitInfo.SetTag.
- Added UUTReport.GetStepCausedUUTFail.
- Added option to use custom identifier instead of machine MAC address to authenticate with WATS.

Bugfixes:

- LabView could not load WATS-Core.dll
- Loading an existing report in LabView when StartUTC was not set caused a crash.
- ATML Converter did not support EQT comparison or Infinity values.
- LabView did not use TLS 1.2 by default.

- TestStand add-ons for TestStand 2014 or older were not uninstalled properly in some cases.
- Using ConversionSource.ConversionSourceRoot caused a crash.

6.0.168

Release date: 2020-09-03

- FindSteps is case insensitive and stepPath does not require slashes.

Bugfixes:

- ATML Importer crashed when encountering additional data.
- Configurator crashed when you configure an address that isn't HTTP or HTTPS.
- Loading an existing report and changing the status of a test caused a crash.
- Converter error count was reported wrong to WATS.

6.0.164

Release date: 2020-08-18

Features

General

- Updated to Microsoft .NET Framework 4.6.2 (runtime 4.0)
- WATS Package Manager is installed alongside the WATS Client and can be opened from the tray icon menu.
- Client monitor has button to generate support log.
- Client monitor has button to enabled verbose logging for 24 hours.
- Added Serial Number Handler to Client Configurator.
- MES Utilities LabView toolkit gets installed along with TDM LabView toolkit.
- Upgrading the WATS Client will no longer undo custom TestStand configuration (change process model).
- Location and Purpose can only be set before connecting to a WATS server, afterwards it must be edited from the WATS server Control Panel*.
- Error reporting is now uploading the wats.log every hour instead of "pinging" the server for every error.
- GPS coordinates will no longer be set manually from the WATS Client. New Station Map uses Levels to pinpoint locations on the map*.
- Converter status, version, and parameters, as well as installed WATS addons for TestStand and LabView, are now reported to the server*.
- The MAC address in use for authentication is displayed in the Client Configurator.
- Converter parameters support illegal XML characters, such as Regular Expressions.

Features in preview

- Location Service in Windows 10 is used to automatically collect the GPS coordinates.
- Auto update the WATS Client from the server side*.

API

- Subunits requires serial number.
- Software API supports offline mode.
- Asset API supports creating asset types.
- New report property, StartDateTimeOffset, where start date and time can be specified with timezone.

Bugfixes

- TestStand add-ons were not uninstalled properly in some cases.

* Only supported in WATS 2020.2

Virinco AS, Gråterudveien 20, 3036 Drammen, Norway.
virinco@virinco.com | www.virinco.com | www.WATS.com
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