

# Release Notes for InduSoft Web Studio

## InduSoft Web Studio v6.1 + Service Pack 5 (Thursday, January 15, 2009)

ID	Type	Description
461	Requirement	Modified the SNMP interface to support customized MIB files.
467	Requirement	Created the option to "Read after writing" in the OPC Client worksheet. This option is useful to synchronize the values from the OPC Server with the values from the OPC Client, especially when the same item from the OPC Server can be updated either by the OPC Client or by the device (e.g.: PLC) connected to the OPC Server.
469	Requirement	The driver task was modified to eliminate the limit of 81 characters when reading/writing string data from/to the device(s). This item will only be available for drivers using the new Driver Toolkit and that use the Driver Standard to set the string values.
473	Requirement	Created the SNMPSet() built-in function, which allows the user to write values to OID addresses, using the SNMP protocol.
476	Requirement	Created the SMA (Studio Mobile Access) solution, which allows the users to visualize online alarms and tag values from any remote device, such as a cell phone, PDA, or regular computer, using any web browser capable of displaying HTML pages.
478	Requirement	Created a new option on the Help menu, called "Support Information". This option displays information about the local system, and about the (remote) target system (if any) connected through the Execution Environment interface. The information displayed by this option is especially useful when requesting technical support.
500	Requirement	It was created the option to run the product (runtime) as a "Service", in addition to the existing default mode to run the product as a regular "Windows Application".
502	Requirement	Created option to compress files before sending them through the Execution Environment to the Remote Agent. Consult the product documentation (Execution Environment) for further information about how to enable this option.
464	Change Request	Improved the internal structure of the Security System.
471	Change Request	Improved the performance when scanning multiple channels

		along with computed channels from the FlukeDAQ device.
546	Change Request	The FileWrite() built-in function was modified to support UNICODE format in addition to the already supported ASCII format.
549	Change Request	Improved the error message displayed when an ActiveX control configured on the screen cannot be loaded. The improved message describes the possible causes of the error.
555	Change Request	Enhanced the development environment to set the startup state of the following tasks to "Automatic" (instead of "Manual") when creating the first worksheet for each one of them, respectively: OPCClient, TCPClient, Database Client, DDE Client, and ODBC Client.
558	Change Request	Created an option in the "Project Settings --> Runtime Desktop" dialog to execute only the command for the topmost object, when clicking on objects that overlap.
565	Change Request	Improved Import Wizard to configure the OPC Client Task to start automatically after creating OPC worksheets and set the scope of imported tags to "Server" instead of "Local".
583	Change Request	The Text I/O dynamic was modified to display the warning message "Invalid entry. Please enter a numeric value." during the runtime, when the user attempts to enter a non-numerical value for a numeric tag (Boolean, Integer, or Real).
598	Change Request	The default file type supported by the Import Wizard for the "TwinCAT PLC Database" was modified from "SYM" to "TPY".
605	Change Request	The message "Verify Application was completed successfully. Check the Output window for a complete log of this command" will be displayed after finishing the execution of the Verify Application command from the Tools menu.
606	Change Request	It was created a warning message to be displayed when saving a Trend worksheet, as long as the changes implemented in the Trend worksheet will result in incompatibility with the proprietary history files created previously by the same application.
608	Change Request	It was created a new parameter called "SendEveryState" (under the section [ISSymbol]) for the <ApplicationName>.APP file. When this parameter is set with the value 0 (default), ISSymbol (Viewer, Secure Viewer, or Web Thin Client) sends every state (tag values) to the Server only for tags that are configured in the Driver or OPC Client worksheet, as long as the option "Driver and OPC" from "Project --> Settings --> Communication" is set

		to "Send Every State". When this parameter is set with the value 1, ISSymbol (Viewer, Secure Viewer, or Web Thin Client) sends every state (tag values) to the Server for all tags.
614	Change Request	There were created additional options for project resolution when creating a new project or when converting the resolution of the current project. Furthermore, it was created an option where the user can customize any resolution (width and height) for the project, different from the pre-defined options.
634	Change Request	The CEView program was modified to start the application faster, especially for applications that have thousands of lines configured in the Global Procedures interface.
636	Change Request	Created read-only field SendEveryState, which is automatically set by the run-time and forces the graphical interface to report all the tag changes to the Server Module.
639	Change Request	Created an option to configure a custom tag to trigger the MAIN DRIVER SHEET read commands. This parameter can be configured in the <ApplicationName>.APP, as follows: [Options] MainDrvAlwaysTrigger=BlinkSlow
643	Change Request	The project (<ApplicationName>.APP file) can be configured to download external ActiveX controls and register them automatically on the Thin Client station. This algorithm was modified to show an error message if, after downloading and installing the control, we don't find it in the registry (probably because the user specified a wrong CLSID). Also modified to download the control using relative path (see Technical Reference manual for details)
652	Change Request	Changed the TCP Client task to support IP:PORT in the "Server IP Address" field.
654	Change Request	The screen editor was modified to resize objects proportionally (keeping the ratio between width and height) when using the handlers drawn on the corners of the selected object. When pressing the SHIFT key, the user is able to resize the object changing the ratio between its width and height.
655	Change Request	The OPC Client task was modified to improve its reliability and report errors, if any, to the Output Window (LogWin) when connecting or communicating with third-party OPC Servers.
657	Change Request	The TCP/IP Client task was modified to set the quality of the tags configured in its worksheets to BAD when the TCP/IP Client detects errors when trying to communicate with the remote TCP/IP Server. In order to enable the TCP/IP Client task to modify the quality of tags, the new parameter

		"SetQualityToBadOnError" from the [TCP] section of the <ApplicationName>.APP must be set to 1.
663	Change Request	The Linked Symbol was enhanced, allowing the user to group Custom Properties in different categories and filter the properties per category when editing the objects. The new syntax supported by the Linked Symbol is "#Category.CustomProperty:DefaultValue", where the "Category" and the "DefaultValue" are optional.
711	Change Request	CEView was enhanced to support the Picture object, available from "Edit --> Past Link". CEView supports picture files in the formats BMP and JPG.
717	Change Request	The default setting from "Project --> Setting --> Communication --> Driver and OPC" was modified for new applications. The new default setting is "Send every state" instead of "Send last state".
780	Change Request	The Alarm/Event Control was enhanced to support a third optional column when configuring the initial sort.
794	Change Request	Changed default for the Virtual Keyboard Show Hint configuration in Project->Settings->Runtime Desktop. The default is now enabled for new projects.
839	Change Request	The graphic interface was enhanced to support background pictures for screens with resolution as large as 10000 x 10000 (pixels).
877	Change Request	The built-in SaveAlarmFile() function was enhanced to support the Database format, in addition to the Proprietary and Binary formats, which were supported previously.
924	Change Request	Increased the size of the "Yes" and "No" buttons in the confirm dialog.
455	Issue	Modified the algorithm implemented by the 'Replace' feature of the 'Object Properties' dialog window, in order to handle properly specific syntaxes, such as: Array indexes with expression (e.g.: Tag[TagID+1]), and class members and tag fields associated to the same custom property (e.g.: #Prop:Class.Member and #Prop:Class.Member->Field).
458	Issue	Improved the algorithm for the Alarm Deadband Time to make sure it works properly, even if the internal clock of the station moves backwards.
462	Issue	Modified Secure Viewer to display the tag values properly when switching to screens after logging with different users more than once on the startup screen.

465	Issue	Modified Web Thin Client control (ISSymbol) to support the "Print Preview" option from the Web Browser (Internet Explorer).
480	Issue	Modified the DirDelete() built-in function to avoid deleting all files from the root directory of the C drive when executing the function with no parameters.
484	Issue	The algorithm that sorts the addresses in the communication driver MAIN DRIVER SHEET was modified to guarantee that the addresses are properly organized in virtual communication groups.
486	Issue	The error messages indicating that VBScript is not supported by the device are no longer displayed when the user switches from one screen to another. When the device does not support VBScript, the error message will be displayed only once when running the application.
541	Issue	Modified the GetLine() function to return the value of the first row of the text file properly when the format of the file is UNICODE. The initial UNICODE char (0xFEFF) used to indicate the file format is properly ignored by the function.
542	Issue	The graphic interface was modified to support the DayOfYear system tag both on the Server and on the Thin Client stations.
543	Issue	Modified Execution Environment to support the "Microsoft ActiveSync" connection type when linking the development environment with devices running Windows Mobile v5.0 or v6.0.
544	Issue	The RunVBScript() built-in function was modified to avoid memory leaking.
548	Issue	Grid column editor was modified to avoid exceptions.
550	Issue	Modified the product to guarantee that the user is able to add shared tags in applications created under Windows Vista.
554	Issue	Modified the Trend Control to avoid generating overflow errors in VBScripts when a pen configured in the Trend Control has a very low value (e.g.: 1e-100).
562	Issue	The Trend Task was modified to support String tags. When the Trend History Format is set to "Proprietary", the value of the String tag is converted to a numeric value before being saved into the history file.
563	Issue	The Viewer process was modified to display the value of the "Description" tag field properly (e.g.: TagName->Description).
575	Issue	Modified the linked symbols to display property tooltips properly

		even when using grouped properties.
581	Issue	The screen editor was modified to keep the relative position among the selected objects, even when moving them through the borders of the screen.
596	Issue	Fixed the memory leaking issue when generating and displaying event messages with more than 64 characters (each).
597	Issue	The email notification from the Alarm Task was modified to avoid crashing after attempting to send several emails unsuccessfully.
601	Issue	Modified the Import Wizard for OPC Server Databases to support more than 4096 tags from the OPC Server, as long as the current license allows it.
603	Issue	Removed the "Remote" option from the Import Wizard for Studio Database to avoid instability issues on the current architecture.
617	Issue	The graphic module was modified to guarantee that the values for tag fields are properly retrieved, even when using indirect tags (@TagName->TagFieldName) to access the tag field value.
618	Issue	Modified the Grid object to avoid errors when opening a screen with a Grid object (Data Source = Class Tag) where the same member of the class tag was configured in more than one column of the Grid object. The error would occur only if the Grid object was configured in the startup screen.
623	Issue	Modified the Viewer task to avoid exception errors when defining an expression for custom properties in object dynamics (e.g.: #CustomPropertyName:TagName>10). The error occurred only when running the application under Windows CE.
641	Issue	The development environment was modified to support the built-in functions StartTask(), EndTask(), and IsTaskRunning() on any interface that supports expressions, even if the project is set to CEView (Target System).
648	Issue	The Smart Message object was modified to display the last message configured in the object, even when it is configured to blink.
650	Issue	The Security System was modified to make sure that Studio is able to load the application when the option "Use preferentially the Remote Security System" from the Security System is enabled, even if the Remote Security System station is not available.

658	Issue	The driver task was modified to avoid exception errors when running projects configured with more than 4095 tags in the MAIN DRIVER SHEET. The problem occurred only with drivers that did not impose the maximum block size for virtual groups from the MAIN DRIVER SHEET.
659	Issue	The Driver task was modified to guarantee that the writing commands from the MAIN DRIVER SHEET have higher priority than the reading commands from the same MAIN DRIVER SHEET.
668	Issue	The Thin Client control (ISSymbol) was modified to improve the performance when switching screens, especially when the Primary Server is not available and the Thin Client station is connected to the Secondary Server (redundancy).
674	Issue	Improved Import Wizard to configure the Driver Task to start automatically after creating driver worksheets.
698	Issue	The Execution Environment was modified to make the Serial Port configuration persistent.
703	Issue	The Remote Agent for PC (e.g.: Windows XP/Vista/2003 Server) was modified to avoid conflicts when trying to run it along with the Studio runtime.
707	Issue	The settings from the "Project Settings" dialog were updated to match the actual default settings for title bar, menu, and status bar.
708	Issue	The device driver for the USB Hardkey was updated to solve incompatibility issues with 64-bits operating systems, such as Windows Vista 64-bits or Windows 2008 64-bits.
716	Issue	The PrintWindow() built-in function was modified to run properly under Windows CE.
739	Issue	The Studio ADO Gateway (StADOSvr.exe) was modified to support timestamp with milliseconds precision for the history tasks: Alarm, Event, and Trend.
740	Issue	Resolved problem with daylight savings when running the Fluke DAQ devices.
752	Issue	Modified algorithm for Print Preview to prevent problems when using the system close button (upper right x) to close the Print Preview window.
758	Issue	Modified VBScript compilation to properly handle pointers to integers. The current algorithm was causing the assignment @MyIntegerPointer=1 to be handled as

		@MyIntegerPointer=True and as a result the integer tag being pointed to would receive -1.
759	Issue	The following tag fields were modified to assume the value 1 when writing any value different from 0 to them: "Ack", "AlrDisable", and "Unack".
760	Issue	The hardkey interface was updated to support the Sentinel USB Hardkey under Windows XE Embedded (WinXPe).
764	Issue	Fixed problem with Trend Control when saving the Min/Max values for pens that have not been added to the trend run-time. The trend was saving the Min/Max as 0 for these pens and if the user inserted them after loading the configuration (which happens when you close and open a trend screen) the pen would be inserted with Min/Max of 0.
767	Issue	The behavior of the State field used to filter messages from the Alarm/Event Control object was modified to support the following options: 0: No filter (all states) 1: Active and not acknowledged 2: Active and acknowledged 3: Normalized and acknowledged 4: Normalized and not acknowledged
771	Issue	The Import Wizard for the "TwinCAT PLC database" was modified to avoid setting the type of String tags imported from the TPY file as Real tags.
777	Issue	The behavior of the screen dynamics was modified to avoid triggering command dynamic when the object is updated by other dynamics.
786	Issue	Modified the option "Import Strings" in the translation tool to include the header texts from objects that support column header (Alarm, Trend Legend and Grid).
796	Issue	Modified the built-in function Hst2Txt() to prevent exceptions when invalid parameters are specified.
799	Issue	Fixed problem with functions DateTime2Clock, ClockGetDate and ClockGetTime when running on Windows Vista.
800	Issue	Modified the screen editor to avoid asking if the user wants to save screens with the Trend object, even if the user did not implemented changes on it.
804	Issue	Modified the development environment not to reset tag values when the run-time is running and the same application is loaded in the development environment by using the command "RunStudio AppName" or by double clicking in the application file.

813	Issue	Improved the performance of TWCAT import wizard and implemented algorithm to ignore pointers when importing.
860	Issue	Modified the built-in Virtual Keyboards to display the correct ASCII character when pressing the space bar on the Virtual Keyboard.
861	Issue	Trend control was modified to resolve problem with break interval when the break happens between the first two samples and then to consecutive samples.
879	Issue	The graphic module for Windows CE was modified to avoid displaying "#" characters instead of actual values. The problem would occur when configuring specific expressions with Custom Properties.
892	Issue	Fixed problem with Pocket PC that would generate exceptions when switching between screens in some specific Windows CE devices.
893	Issue	The device driver for the USB Hardkey (beige) was updated to avoid memory leaking that could result in a system crash.
895	Issue	Modified hardkey license interface to address compatibility issues with Windows 2008.
908	Issue	Modified the Viewer module not to reload screens when tags with retentive parameters have their parameter values changed.
911	Issue	Modified Linked Symbols capability to support combo boxes even on HMIs with ARMV4I processors.
913	Issue	Fixed problem with Text I/O when used on Screens with Hide option enabled. The hide would cause the Text I/O to be loaded only in the first time that you open the screen.

## InduSoft Web Studio v6.1 + Service Pack 5 - Known Issues (Friday, January 16, 2009)

ID	Type	Description
604	Issue	The column to delete alarm messages from the Alarm/Event object, when configured as the first column, is displayed too small on Windows Vista. [WORKAROUND]: Configure any other field as the first column.
626	Issue	Remote on-line screen update does not work when downloading

		large screen files to specific devices. [WORKAROUND]: Stop the application and execute the "Send Application" command.
664	Issue	The "Task Switch Enabled" from the Security System Groups is not working on 64-Bits operating System. [WORKAROUND]: Use a third-party package to block the keyboard actions.
712	Issue	Studio is unable to print to PDF on Windows 64-Bits and on few specific Windows XP Embedded devices. [WORKAROUND]: Install a third-party PDF Printer and set it as the default printer.
715	Issue	The Web Tunneling Gateway is not installed automatically on Windows 64-Bits. [WORKAROUND]: Install the Web Tunneling Gateway manually, executing the WebGtw.exe program from the \BIN sub-folder of Studio.
757	Issue	The Message Box from VBScript is displayed behind the screen when called from a background script.[WORKAROUND]: Call the Message Box from the Graphic Script, based on the condition triggered by the background script.
836	Issue	Studio generates unpredictable errors when a built-in function name is placed within parenthesis. [WORKAROUND]: Avoid entering with statements such as (FunctionName) in studio expressions.
873	Issue	When the user has only one pen in the trend and the Min/Max is not specified, the trend uses the point color to show the label instead of using the Y Axis font color. [WORKAROUND]: Add a second pen to the Trend Control and make the second pen invisible.
884	Issue	Thin Client stations take a long time to load some screens for the first time. [WORKAROUND]: Configure objects on the screen with the tags used in the screen script. For example, transparent rectangle with tags in the Caption.
894	Issue	Evaluation mode does not work on Windows VISTA. [WORKAROUND]: Run the development environment at least once as Administrator (right-click > Run as Administrator).
917	Issue	Option "Time Before Now" in the trend control only handles Integer numbers in the "Time" field . [WORKAROUND]: Use the option "Start Time" and set both the duration and the start time tags in order to change the trend timeframe.
928	Issue	New Applications on Windows Vista are not being created properly. [WORKAROUND]: When createing the new application, point to the <Operating System> <USER> folder instead of subfolders from Program Files, Windows, or Root

		Folders
931	Issue	Trend Control does not automatically move to the daylight saving time when running in online mode and on some specific WinCE devices. [WORKAROUND]: Reload the trend screen.
932	Issue	On very rare cases, changing a linked symbol causes custom default property values to be lost [WORKAROUND]: Reinsert the linked symbol to restore the default values.
933	Issue	On computers with limited temporary storage Secure Viewer sometimes displays background images different from the ones created for the screen. [WORKAROUND]: Remove the user temporary files to allow enough space for Secure Viewer temporary files.
934	Issue	On some specific hardware the external LogWin causes Studio to close when logging to disk. [WORKAROUND]: Log to a file that has already been created, after the problem has happened for the first time the file is created, so simply restart.