RELEASE INFORMATION

Project name		Project No
Anybus OPC Server		7053
Software	Software version	Release date
Application	Version 2.5.1 Build 02	2015-05-29

This release contains:

- This document

- Installation file Anybus – "Anybus OPC Server Setup V.2.5.1.2.exe"

Reason for release:

Update to pass OPC Compliance test

Supported OS versions:

Windows 2000 SP3
Windows XP
Windows Vista
Windows 7 (32/64 bit)
Windows 8.1

Known limitations/issues:

- The OPC Server sometimes crash when stopped. This only happens if an OPC Client is connected to the server. The problem seems to be time and client dependent. Internal ID 004832.

- Help file is not updated with new larger data sizes.

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Updated in version 2.5.1 Build 02

- Improved functionality

- **Updated OPC Core** – OPC Core functionality is updated with several bug fixes and improved speed.

- Bug fixes

- **Passes OPC CTT** – Fixed problem with IOPCBrowse test case in OPC Compliance test. Internal ID DE918

Updated in version 2.3.1 Build 03

- Improved functionality

- **Improved speed when browsing Namespace and adding tags** – Optimisations to increase speed when browsing Namespace and adding tags. Internal ID 006887.

Updated in version 2.3.1 Build 02

- Improved functionality

- **Added support for larger data sizes** – In OPC Only mode and on PCI it's now possible to use larger data sizes depending on X-gateway/PCI configuration.This will only work with Anybus X-gateway with firmware version 1.19 and above. Internal ID 006664.

- **Improved access time to hardware** – Improved access time to hardware by combining data access request. Internal ID 006270 and 006271.

- Bug fixes

- **Fixed problem with Visual Studio Runtime on 64-bit OS –** Now installs 32-bit Visual Studio 2008 runtime on 64-bit OS. ID 006446.

Updated in version 2.3.1 Build 01

- Improved functionality

- **PROFIBUS DPV1 Master on PCI runs in 4k mode** – Now the PROFIBUS DPV1 Master are started in 4k mode when it is on a PCI-card. This means 1536 bytes in/out. Internal ID 005073.

- **Changed text explaining "OPC only mode" in help file –** Improved "OPC only mode" help text. ID 004219.

- Bug fixes

- **Added support for 64-bit OS –** Now it is possible to run on 64-bit OS but it still a 32-bit application. ID 006056.

- **Fixed problem when decreasing Data Source size –** If Data Source was decreased so that a Tag mapping becomes out of range data types was removed from data type combo in the Tag Address mapping dialog. Now showing an error message and disable OK button if the selected data offset is out of range. ID 004918.

- **Fixed problem with "Add" main menu item** – "Add" main menu item was enabled but with no function if Data Source section was selected in the configuration tree. Now a new Data Source is added. ID 006194.

- **Fixed crash when Data Source was enabled with no Data Source type selected** – If a new Data Source was enabled without selecting Data Source type the server crashed. ID 006249.

- **Fixed problem with "Bit Offset" combo box -** Bit offset combo was enabled even if not "Bool" is selected as "Data type". ID006195

- **Fixed problem with changing Scaling type** – Scaling settings was only saved to config file (read by server) if scaling was moved from disabled to enabled or enabled to disabled. ID006198.

- **Fixed problem when writing decimal values** – Now there is an error message if invalid numbers are written to a tag. ID 004916.

- **Fixed problem with showing HEX values larger 0x7FFF FFFF** – There was a problem converting values larger then 0x7FFF FFFF. ID 004915.

- **Fixed problem with decimal values in scaling settings** – Problem when conversion functions depended on right decimal separator. Now it is only possible to enter scaling values with using current decimal separator (set in windows control panel). In scaling expression for server . is used. ID 005456.

Updated in version 2.2.1 Build 05

- Bug fixes

- **Fixed problem with restart tray icon menu option.** Restart option from the tray icon menu didn't restart the OPC Server correctly.

- **Fixed problem when Tag Groups had the same name as a Data Source.** If a Tag Group name started with the same name as a Data Source it was treated as a Default OPC Item (see help file) and wrong data was read. Internal ID 004785.

- **Changed message name when a new name already is used.** Message now telling if new name already is used for Tag Group or Tag.

Updated in version 2.2.1 Build 04

- Bug fixes

- **Possible to select Delete even if no tag is selected** – It was possible to select delete from menu or toolbar even though no Tag was selected. Internal ID 004754.

- **Fixed problem with default address for new tags** – The default name for new tags are now the first unique address, in current group, of the same data source as the last tag in the group. If pasting it is first unique address, in the current group, of the same data source as the copied item.

- **Fixed problem that made server hang when shutting down** – If server was stopped with a client continuously reading items the server got hanged.

- **Fixed problem that made configurator crash when copying with no tags selected** – If copy was selected with no tags selected the configurator crashed.

- **Fixed problem with selecting a full tag row when tag column edit control is focused** – If a tag column control is having focus it was not possible to select a whole tag row without focus getting back to column.

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Updated in version 2.2.1 Build 03

- Improved functionality

- **Improved time to update the Tag list** – Improved the time it takes to update the Tag list when a Tag Group is selected. Internal ID 004727.

- Bug fixes

- **Added screen location check for drop down list.** If the drop down list in Data Source or Tag list is to near the bottom of the screen to fit it will be shown above the selected list item. Internal ID 004728.

- **Fixed problem when Recent File list only contained one file** – Fixed problem that made Recent File list to be shown in the upper left corner of the screen if on it contained only one file. Internal ID 004723.

- **Fixed problem with Read/Write rights settings when changing data direction** – If data direction is changed the Read/Write rights options now are updated. Internal ID 004724.

Updated in version 2.2.1 Build 02

- Bug fixes

- **Show current file name as default in Save As dialog box** – When selecting "Save As" the current name now is default name in the "Save As" dialog. Internal ID 004726.

- **Fixed problem with limited user rights under Windows Vista and Windows7** – The Anybus OPC Configuration tool needs to be able restart the OPC Server Windows service. Only users with Administrator rights are allowed to restart windows services. In Windows Vista and 7 applications need to be explicitly started "As Administrator" to get administrator rights. Now Anybus OPC Configuration tool is forced to start with administrator rights. Now non privileged users cannot run the OPC Server Configuration tool. Internal ID 004693.

- **Fixed uninstallation problem** – Anybus OPC Server service is now unregistered during uninstallation process. Internal ID 004708

- **Fixed problem with random error messages when opening configuration files** – If the OPC client within the configuration tool was connected to the OPC Server at the same time as the Server was restarted there were an error message. Internal ID 004177 and 004120.

Updated in version 2.2.1 Build 01

- New functionality

- **Added Cut/Copy/Paste functionality** – Cut/Copy/Paste functionality is added for Tags and Tag Groups. Tags Cut or Copied from Anybus OPC Configurator will be added to windows clipboard an can be pasted as tabbed text to external applications.
  If pasted tag name already exists the name will be post fixed with Copy and a number, the Address will be increased to lowest free address.

- **Added for 32bit integer data type** – Added support for 32-bit integers. Addressed as IDxxx or QDxxx. Internal ID 004483.

- **Added Byte-swap functionality** – New Tag attribute "Swap". Possible to swap the tags data in 3 different ways. Internal ID 004193.

- **Added Most Recent Used files list** – The file menu now contains "Recent files" option that will bring up a menu with the 10 latest used files. Internal ID 004139.

- **Added option to view Tag values in Hexadecimal** – From the right click menu in the Tag list it is possible to select Hexadecimal display. This will show all the tag values as hexadecimal values. Internal ID 004139.

- **Anybus Simulation type** – Simulation can be selected as Device Type in Server Config. When this type is selected no actual connection to the hardware will be done. Data will be looped internally from Data To Network to Data From Network. Internal ID 004483.

- Improved functionality

- **Improved the functionality of the Tag list in Configurator.** – Improved functionality for using keyboard when editing tags. Drop down buttons and browsing buttons are always visible for active row.

- **Improved the Insert Tag functionality.** – New tags will have inherited attributes from last tag in the list. The address will be increased to lowest free address. Internal ID 004135.

- **Added Anybus OPC Configurator to Start menu** – Anybus OPC Configurator can be started directly from start menu without using the tray icon. Internal ID 004115.

- **Windows size and stat is now saved** – When closing Anybus OPC Configurator the windows size and state are saved and will be restored when the program is started next time. Internal ID 004188.

- **Added confirmation message when deleting Tags** – User now has to confirm that Tags should be deleted. Internal ID 003927.

- **Added Menu item to start monitoring tags** – Added Online->Monitor Tag Values menu item for starting the tag value monitoring. Internal ID 004178.

- **Added validation of scaling parameters** – Added validation of scaling parameters before saving it to server. Internal ID 004067.

- **Added validation of Tag Address** – Added validation of Tag Address before saving it to server. Internal ID 004066.

- **Updated helpfile** – Updated help file with info about monitoring, statusbar, CSV-format.

- Bug fixes

- **Fixed problem with Option file access rights** – Users without administrator rights could not write to Options file when running Windows Vista or Windows 7. Internal ID 004321.

- **Fixed problem with offline actions when monitoring tags** – Selected offline action now also work when monitoring tags in Anybus OPC Configurator. Internal ID 004147

- **Anybus DeviceNet slaves MacId and Baud Rate overrided by OPC Server** – MacId and Baud Rate are **now** overridden by OPC Server in OPC Only Access mode even without setting all switches to 1. Internal ID 004088.

- **Improved Hardware connection loss detection** – Fixed problem that made client read request wait for Server Reconnection attempt before sending response at connection loss. This caused a 2-4 seconds delay before server reported the connection loss to client. Internal ID 004179.

- **Fixed problem with context menu items** – Disabled not available context menu items. For example Delete when no tag is selected and Write to read only tags. Internal ID 004073.

- **Fixed Tag row focus problem** – Fixed problem that made latest selected tag be deleted when delete was clicked with no tag selected. Internal ID 004183.

- **Added confirmation message** - Added confirmation before creating a new or opening a configuration if not edited Data Source is saved. Internal ID 004096

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- **Update Tag list when configuration is opened –** Tag list from old configuration was viewed even after new configuration was opened. Internal ID 004180

- **Clear Tag value and status when connection to server is lost -** Both tag data and status is now removed when connection to OPC Server is lost. Internal ID 004175

- **Now not possible to set write access right to Data from Network –** It was possible to set access right on Tags mapped to Data from Network to RW (Read and Write) even though it is never possible to write to Data from Network data. Internal ID 004072

- **Fixed problem that closed Tag Address Mapping Dialog box when help button was clicked** – If the Help button was clicked in the Tag Address Mapping Dialog the Help was opened but the dialog box was closed. Internal ID: 004164

Updated in version 2.1.1 Build 04

- Bug fixes

- **About box now shows correct version** – In 2.1.1.3, the about box showed 2.1.1.2 still.

- **Configuration file is no longer write protected after install –** The 2.1.1.3 installer accidently made the config file readonly on install.

Updated in version 2.1.1 Build 03

- Bug fixes

- **Fixed problem with initialisation of DeviceNet slave on PCI card** – There was a problem initialising DeviceNet slave modules on PCI-card. Internal ID 004088

Updated in version 2.1.1 Build 02

- Improved functionality

- **Updated online help file**
  Updated the pictures in the Options dialog help section. Internal ID 003930.
  Updated fieldbus properties information. Internal ID 004001.
  Added information about Shared Access mode. Internal ID 003985.

- Bug fixes

- **Fixed problem with uninstallation** – When uninstalling the OPC Server the all files was not removed from the program folder because the Tray Application was still running.

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Updated in version 2.1.1 Build 01

- New functionality

- **Added ability to set Minimum Group Update rate** – New option in the option menu. Minimum update rate allowed for an OPC group. Prevents OPC clients from requesting update rates that are impossible to achieve or that cause heavy CPU loads. The default value is 1000 ms.

- Improved functionality

- **Added question to save changes when opening Options dialog while editing Data Source** – If the Option dialog was opened while a Data Source was edited the changes to the Data Source was discarded. Now the user is asked if the changes should be saved before the Option dialog is opened. Internal ID 003931.

- **Added confirmation when deleting tags** – A confirmation dialog is now shown before a tag is deleted. Internal ID 003927.

- **Added balloon tooltip when starting Tray Icon** – When the Tray Icon is started there is now a balloon telling the user to Double click to start the OPC Server Configurator. Internal ID 003984.

- **Added 250 kbps as a Baud Rate option for DeviceNet devices** – Added 250 kbps as an option in the Baud Rate parameter for DeviceNet devices.

- Bug fixes

- **Fixed problem with delete button during Tag name edit** – When delete button was pressed during editing of a Tag Group name or a Tag Name the Tag Group or Tag was deleted. Now fixed so that the delete button has preferred effect when editing the name text. Internal ID 002928.

- **Fixed problem that caused Tags to not always be shown in the Tag Address View** – Tags that occupied the last available byte was not visible in the address selection dialog address view. Internal ID 003925.

- **Fixed problem with Trace file** – Fixed problem with trace file names and trace file backup. Internal ID: 003929

- **Passing the OPC compliance test** – Fixed minor issues in the OPC interface to pass the OPC compliance test.

- **Fixed problem with check of already running application** – It should only be possible to start one OPC Server Tray Icon and one OPC Server Configurator instance. Fixed problem that made it possible to start several instances on some computers.