



# Orchestrator



## Version 4.5.0 Release Information

### Version 4.5

*of the Orchestrator Software has now been released.*

#### ***Version 4.5 contains the following fixes/changes from V4.0***

Tested and supported the following platforms:

- 32 and 64 bit Windows 8
- 32 and 64 bit Windows 7
- 32 and 64 bit Windows Vista
- 32 and 64 bit Windows Server 2008
- Windows XP
- Windows Server 2003
- Windows 2000
- Above platforms on Virtual PC, Sun Virtual Box and VMware

#### **Changes**

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- **Operating System:** Tested and supported the following platforms:
  - 32 and 64 bit Windows 8
  - 32 and 64 bit Windows 7
  - 32 and 64 bit Windows Vista
  - 32 and 64 bit Windows Server 2008
  - Windows XP
  - Windows Server 2003
  - Windows 2000
  - Above platforms on Virtual PC, Sun Virtual Box and VMware
- **Clients:** New Product - Replay client for trends, data export and enter text logs  
Monitor and Replay client licences
- **New Add-on:** Site to Office Replication (mirror server systems to central database & allow data access to central db, rather than individual servers.
- **New Add-on:** Web Service (to run Client licences across the internet)
- **New Product** - Gas Chromatograph processor
- **General:** Digital signing of exes and dlls for compatibility of virus scanners
- **General:** Update Sentinel Superpro driver libraries to 7.1
- **Driver:** New Novolec, Sartorius, Fluke, AMS, Digiplan, GASM, Pumpworks, VPRO Driver
- **Calculator:** Calculator Number of Scans and Activity Logger Functions
- **Alarm Annunciator:** Alarm SMS Annunciator for GSM and 3G Modems
- **Alarm Monitor:** Alarm and Warning duration in alarm monitor, logger and printer
- **Logger:** Substituting of TeamViewer ID Skype User and Computer Name and Lock Code in Logger Text

- **Calculator:** Updating of channel text including Channel values TeamViewer ID Skype User and Computer Name and Lock Code in Calculator
- **Configurable Monitor:** Including Channel values TeamViewer ID Skype User and Computer Name and Lock Code in Configurable Monitor command lines
- **Monitors:** Channel and Configurable Monitor from Live Log Directories and Databases
- **Configurable Monitor:** Parameter for prompting Selection of Server on startup of configurable monitor
- **Configurable Monitor:** Support for relative path configurable monitor command line parameters
- **Trends:-** Trends refresh of rewritten logged data
- **Trends:** Speeding up of test for new log files in directories in trends
- **Trends:** Override value precision display for individual channels in trends
- **Data Export:** Data export to local temporary files followed by file copy to speed up export process
- **New Driver:** Fardux IDEA Logger Driver
- **Driver:** HP Agilent VISA Addressing for USB&Ethernet 34972A and Interactive Send Command
- **Logger:-** Relative Paths for User Defined Log Directories
- **Logger:** Manual inputs no longer update text logs or cause a refresh
- **Logger:** Indicator of scan sizes on channels tab of standard logger configuration
- **History Channels:** Recording of history channels by channel value (eg depth)

## Fixes

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- **Calculator:** Calculator lockup controlling logger on system disable
- **Configurable Monitor:** Configurable Monitor shifts objects if resolution is too great
- **Configurable Monitor:** Configurable Monitor does not provide Horizontal Scrolling if objects do not fit onto current screen size
- **Configurable Monitor:** Buttons are not rounded on non-white backgrounds in configurable monitor
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- **General:** Import not working and incorrect display of floating values with comma decimal separator
- **General:** Orchestrator TCP-IP port switched on by default creating vulnerability if firewall is switched off
- **General:** HASP and Sentinel Driver conflicts avoided by uninstalling unused driver during install
- **General:** On CORAL, XPacSDK dll loaded from WINDOWS directory
- **General:** Occasional 64-bit Windows 7 crash of service.exe
- **Data Export:** Data export of elapsed time in .dif format creates invalid .dif file
- **Data Export:** Alignment of headers on tab and text output files
- **Data Export:** No Excel output file if template checked but no template file selected in Data Export
- **Logger:** Cycle on event logger does not create a new file if a new event occurs during post event logging
- **Logger:** UTC Database Registry setting caused logger to not start
- **Logger:** Start and Stop times or the file name should not change if a different configuration is selected.
- **Logger:** Enter text log not available in trends if no predefined text entries for the logger
- **Logger:** No rename of log files on exit from trends, data export and enter text logs with stop times on files
- **Drivers:** Modbus Slave restart Issue- Failed to Open Port 502 (0)

- **Drivers:** PSI 9000 Series Driver Import of Channel Configuration does not import unit channel greater than 9.
- **Drivers:** HP Agilent driver error on RTD channels
- **Drivers:** Exter\_nt and wellbore.ocx not included in setups
- **Drivers:** Ext (internal) CJC not working on Agilent 3497XA Driver
- **Drivers:** Environcon scanner crash when less than 1000 analog and 560 digitals specified in devcap
- **Drivers:** Scanivalve DSA 3215 reporting scans in multiple packets
- **WITS:** WITSML driver not working through proxy servers.
- **WITS:** WITS Inputs handling of RST TCP packets
- **WITS:** WITSML Driver Lock Up when Invalid User Name or Password specified

## ***Version 4.0 contains the following fixes/changes from V3.3***

### **Changes**

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- **Operating System:**  
Supports Windows 7, Vista, XP, Server 2008 (32 and 64-bit)  
Supports Server 2003, Windows 2000  
Above platforms on Virtual PC, Sun Virtual Box and VMware
- **Operating System:** Dual Server and Client Functionality on Higher Level Servers
- **General:** Export Image from command line for trend and monitor bitmaps on websites
- **General:** Document ActiveX control. Trends and Alarm Monitor in Configurable Monitor.
- **General:** Single Remote Desktop Client Allowed onto Server on Single User Remote Desktop Platforms e.g. **CORAL**
- **General:** Client Software Key Licensing on Windows Server Platforms
- **General:** Sharing of trend and configurable monitor documents
- **General:** User supplied product.reg files on setups for user registry settings
- **General:** Support for HASP HL Keys including network keys
- **General:** Registry Option to store Digital Channel State as Text in Databases Logs
- **General:** Registry Option to store Date/Time in UTC Format in Database Logs
- **Configurable Monitor:** New set of Instrumentation Controls in Configurable Monitor
- **Configurable Monitor:** Configurable Monitor Time Offset
- **Configurable Monitor:** Export Image facility
- **Data Export:** Configuration Files, Channel Lists, Additional Content Options and Excel
- **Data Export:** Channel Tag Description Lines and Date Time Format in Data Export
- **Calculator:** Calculator Scale and Offset and Assign to Channel Range
- **Trends:** Enter Text Log Replay Facility
- **Trends:** Vertical Trends with Track Options for Multiple X-Axis
- **Trends:** Enter Start-End Period in Trends
- **Trends:** Trends recovery from disconnect of network files
- **Trends:** Autoscale trend lines from channel configuration
- **Drivers:** Instrunet Driver compatible with i4xx Series cards
- **Drivers:** ICP DCON I87K Series Driver and XPAC support
- **Drivers:** Imp Module Range and Mode
- **Drivers:** Lakeshore 218 340 and 370 Driver
- **Drivers:** Agilent 5700 and 6033 Power Supply Driver
- **Drivers:** Computerboards AUXPORT in Channels 1-8 if 8 digital channels defined in devcap.txt

- **Drivers:** WITS Input Source IP Address and Alphanumeric Record Items in Digital Channels
- **Drivers:** Log records support in WITSML driver
- **Drivers:** Support for 3595 4U USB Interface in Imp Driver
- **Drivers:** Kvaser CANBus Driver
- **PID:** Programmable Scale and Offset on PID Controller
- **User Library:** Support for C# in User Library
- **User Library:** Remote Calls in User Library

## Fixes

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- **General:** Exported images need to be stored in a standard directory
- **Logging:** Append mode loggers create new log files when Trends are connected to active log file
- **Logging:** Logger directory names generated by digital channels containing forward or back slash in current values caused errors
- **Alarm Annunciator:** SMS annunciator can't open Com ports higher than Com 9
- **Channel Monitor:** Crashes when trying to connect to a device with a print name longer than 16 characters
- **Configurable Monitor:** Does not recover from connection failure in Internet Client mode
- **Trends:** Auto opens file instead of file selected on launch
- **Trends:** Header Logo is not shown in correction position when Trends documents are printed
- **Trends:** Print Preview of Trends Incorrectly positions items
- **Trends:** Crashing on replaying from live log files using mapped network drives
- **Trends:** Text logged to database not displayed in Trends
- **Trends:** Fails to Auto Pan if Active for longer than 24 hours
- **Data Export:** Append option displayed on automatic export to DIF files
- **OPC Server:** Data Access 2.0 Client produces error on connection to OPC Server
- **Drivers:** Reconfigure of Modbus master connected to a slave causes Can't initialise device error
- **Drivers:** Climet driver can't read configuration if more than one Climet is installed
- **Drivers:** Instrunet Driver Logging when Achieved Sample Rate Slower than 1kHz
- **Drivers:** ICP DCON 7080 Counter Frequency Channel Configuration
- **Drivers:** Debug window appears when Dataweb driver is enabled
- **Drivers:** Can't change board number on GE Druck Pressure Device

## ***Version 3.3 contains the following fixes/changes from V3.1***

### **Changes**

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- **General** : Supports client/server operation over TCP/IP without file sharing  
Supports Windows Vista, XP, 2003 and 2000 and Virtual PC.
- **General** : Support for SQL Server 2005 Replication
- **General** : Licensing of Versions, number of Drivers and I/O count
- **General** : Licensing on Virtual PC and Terminal Services
- **General** : Help Converted from WinHelp to HTMLHelp for Vista
- **General** : Windows XP Look and Feel
- **General** : Visual Studio 2005 Support
- **General** : Current Config Directory Purge
- **General** : Multiple User Channel Processors
- **General** : Last selected sever in configurable monitor navigation command and in trends most recent open
- **General** : Headers on Channel Configuration Export and Import
- **Alarm System** : Alarm Acknowledgement Comments
- **Calculator** : Calculator Array Access
- **Logger** : Rate of Change Logger Rewind Threshold
- **Internet Server**: Improved Deployment and Operation of Internet Client
- **Trends** Value Entry
- **Trends** Logo
- **Trends** Export Image
- **Trends** Axis on Right Hand Side and Clicking
- **Trends** Text on Graph with Edit and Position
- **Trends** Log Scaling
- **Drivers** : WITS Input and Output Drivers
- **Drivers** : WITSML Driver
- **Drivers** : Climet Particle Counter Driver
- **Drivers** : Changes to Generic RS-232 Driver for Lawicel CAN Bus 232 Converter.doc
- **Drivers** : Modbus driver timeout in milliseconds
- **Drivers** : Additional Columns on Agilent and Yokogawa Channel Configuration Export and Import
- **Drivers** : Additional Columns on Intercole Spectra and PSI 9000 Series Configuration Export and Import
- **Drivers** : GE Druck Pressure Indicator 142/150 Driver
- **Drivers** : ICP DCON 7000 Series Driver
- **Configurable monitor** : Edit, List and checkbox forms controls
- **Configurable monitor** : Data Source and Properties of multiple objects
- **Configurable monitor** : Confirmation on toggles and navigation buttons
- **PID** : Setpoint change no longer resets error term and provides for output calculation
- **Sentinel Protection System** : Installation

## Fixes

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- **General:** Log file merge displays wrong product name in title bar
- **General:** Incorrect Icon appears on Start Menu for Client Install
- **Configurable monitor :** Client Logging in Config Mon ignores Poll Rate
- **Configurable monitor :** Configurable Monitor crashes when trying to paste the selector control
- **Configurable monitor :** Assigning function keys in Configurable Monitor doesn't enable Save button
- **Configurable monitor :** Pressing space bar causes a crash in Configurable Monitor when no objects are selected
- **Calculator :** Calculator triggers too many updates
- **Calculator :** Long formulae in the calculator cause the Calculator to crash
- **Calculator :** Timers reset to zero after a reconfigure
- **Datascan Driver :** Intermittent errors on Datascan 10Hz configuration with handshaking disabled
- **Datascan Driver :** Datascan channels display error when a comma is used in the tag
- **Datascan Driver :** 7X27 Modules In Single Shot with Continuous Controller Mode
- **Datascan Driver :** Datascan Configuration causes error when opened from a client
- **Trends :** Helv font not available in fonts list in trends
- **Trends :** Text logs entered while in XY mode are logged with a date in 1970
- **Trends :** Trends give an error when printing with logged text and header turned on
- **Trends :** Pan right doesn't work after zoom left on sample skip
- **Trends :** Axis labels are not visible when the Trend background colour is changed
- **Data Export :** When percentage n is used with absolute paths no data is exported
- **Data Export :** CSV file extension and launch Excel option for Data Export
- **Data Export :** Exporting to CSV with commas in regional settings
- **RTD Server :** RTD Server stops updating when more than one client is connected
- **Logger :** Client logging logs data twice
- **Logger :** Logger averaging over slow logging rates
- **Logger :** LogByTag with database connections displays the channel number for the last tag and not the name
- **PID :** PID layout windows layout for different servers not saved correctly
- **PID :** PID does not allow for entry of channel
- **OPC :** OPC Client causes OPC Server to crash
- **Modbus Master Driver :** Modbus Master outputs read on first scan remain in error after recovery from a comms failure
- **Modbus Master Driver :** Modbus Master digital outputs require analog outputs to be defined in devcap
- **Alarm Monitor/IE :** Tag & Description are not displayed in Alarm Monitor running on Internet Client
- **Alarm System:** Alarm Mail Annunciator crashes on system enable
- **Internet Server:** Toolbars are not available in Internet Explorer under Vista
- **Internet Client:** Key Error on Data Export with Internet client
- **User Library :** OS Platform issues
- **Drivers :** Generic RS232 driver gives error "can't initialise device"
- **Drivers :** Second driver doesn't request an Unlock Code

## ***Version 3.1 contains the following fixes/changes from V2.9***

### **Changes**

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- ◆ No longer supported on Windows NT or Windows 95/98 - ***Supports Windows 2000/XP and Windows 2003.***
- ◆ Logging to SQL Access Oracle and OLE-DB databases
- ◆ Trending from SQL Access Oracle and OLE-DB databases
- ◆ Export from SQL Access Oracle and OLE-DB databases
- ◆ Alarm Value Trigger Logging
- ◆ Datascan/Dataweb device Selection on Installation
- ◆ Channel 8 Character Units and 15 Character Tags
- ◆ Visual Studio .NET Support
- ◆ Configuration History.doc
- ◆ System Enable and Disable Options
- ◆ HP Agilent and Wokogawa WT Power Meter Drivers
- ◆ Modbus Master over TCP
- ◆ Alarm System Re-configure and Local Times
- ◆ Saving History channels

### **Fixes**

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- ◆ General - Workgroup users registry access
- ◆ General - Configuration Import crashes if there are problems with import file
- ◆ General - Main Menu doesn't run on Windows 2003 Server
- ◆ Data Export - Digit grouping symbol confuses comma delimited Data Export.
- ◆ Drivers – Allen Bradley SLC-500 support
- ◆ Internet Server - Slow Pan & Zoom on Trends with Internet Server
- ◆ Internet Server - Running Config Mon in Internet Client values flash up then go to zero
- ◆ Channel Monitor - displays Waiting indefinitely when using Mouse Wheel
- ◆ Trends - Header text doesn't print from Trends
- ◆ Trends - No data displayed on X-Y Trends until scan buffer is increased
- ◆ Trends - draws trend incorrectly if initial value is out of range
- ◆ Trends – Can't be launched from Desktop
- ◆ Config Mon - Auto calibrate from configurable monitor displays value in error
- ◆ Logger - Config loses Logged Channels when service stop and LogByTag on

## ***Version 2.9 contains the following fixes/changes from v2.7.2***

### **Changes**

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- ◆ Excel RTD (Real Time Data) Server
- ◆ Generic RS-232 Driver Modem Control and Digital Text Output
- ◆ MSL Dataweb Control Centre Driver
- ◆ User Library - Write Log Text Function
- ◆ Trends - Channel : Pan Zoom, Text Tracks and Control Limits
- ◆ Trends - Select "Next" or "Prev" Log File
- ◆ Channel values in logger text and file names

### **Bug Fixes**

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- ◆ Main - Server Setup DDE Error Message on XP
- ◆ Main - Export Configuration only allows 2 digits in channel range box
- ◆ Configurable Monitor - ValueEntryHandles
- ◆ Channel Monitor - Long Device Names
- ◆ Logger - Analog Strings in Logger Directory
- ◆ Calculator - Min function does not compile after 2.4
- ◆ Calculator - Calculator Unary Minus after Bracket
- ◆ Data Export - Elapsed Time Titles
- ◆ Data Export - Data Export of Values greater than 1000
- ◆ Data Export - Digital Values and Statistics Columns Alignment
- ◆ Alarm System - Multiple Alarms Annunciation on System Enable
- ◆ Data Exchange - Reading static OPC Values from Omniflex OPC server
- ◆ Data Exchange - Network DDE problems
- ◆ Drivers - Imp 10V range support
- ◆ Drivers - Modbus Slave Diagnostics
- ◆ Drivers - Modbus Slave Error Response
- ◆ Drivers - SAIA Master on Fast Processors