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Opndiem Suite ChangeLog and History

As we strive to improve, enhance, and add new features to our software products, changes will be tracked in this document.

Requests for new features and/or variances relating to the operation of the software should be sent to support@buildingclouds.com. Be sure to list the software product you are referring to in the subject line of your correspondence.

Included in the development history below are the changes which have occurred while upgrading and “re-branding” Plexus Technology Ltd.’s Altitude Suite (version 4.1.6) into Building Clouds’ Opndiem Suite (version 5.0.0 and later).

V5.2.7

Released: 09/04/2012

Variance Fixes

- Web Based Configuration (WBC)
 - o Fix, Alarm Manager, Logger, and Chronos Calendar controls for compatibility with IE8/IE9, Chrome, Firefox and Html-5 browsers
 - o Fix Chronos start/end date issue with “1899-01-01”
- Opndiem Core Engine
 - o Fix: Alarm Manager issue with setpoint being unchecked

V5.2.5

Released: 02/25/2012

Variance Fixes

- Web Based Configuration (WBC)
 - o Fix, Calendar controls for compatibility with IE9, Chrome, Firefox
- Opndiem Web Services
 - o Fix: Corrected data tag handling amongst concurrent logons in the following services:
 - iLON Driver
 - iLON Plus Driver
 - OHS Driver
 - Universal OPC
 - Opndiem Connect
 - o Weather driver excluded after withdraw of the API from weather.com

Enhancements

- Calculator Service v5.2.3
 - o New Substr Function (Substring) for parsing text or numeric strings to return a specific string
 - o Fix UI scaling option
- Core Engine
 - o Option to check for the required Library on Start
 - o Option to check the Default Windows session on start

V5.2.0

Released: 09/30/2011

Variance Fixes

- Web Based Configuration (WBC)
 - o Fix, Chronos and Holiday Planner display issues

Enhancements

- Core Engine
 - o System Server tags are now excluded from the tag count (free)
 - o New graphical display indicating if tag limit of license has been exceeded
- Alarm Manager
 - o Add checkbox option for ignoring empty or null values/strings
 - o Improve handling of UTC (timestamp) for all alarm states
 - o Control over "strictness" of Feedback Alarms
- Chronos
 - o Add 20 levels of time delay (selectable) between Actions
- Calculator Service
 - o Ability to import/export multi-source calculations
 - o Option to enable or disable live data display in service
 - o New Runtime function with reset and advanced control settings
- Opendiem Web Services
 - o OHS and Weather Driver memory usage improvements

V5.1.0 RC5

Released: 06/15/2011

Enhancements

- Opendiem Web Services improvements
 - o New iLon+ driver.
- Opendiem Connect improvements
- Alarm Manager
 - o Add Units override in alarm definition

V5.1.0 RC4

Released: 06/03/2011

Enhancements

- Opendiem Web Services improvements
 - o Weather driver comply with the V2 framework.
- Opendiem Web Site improvements
 - o Cross-browser compatibility fixes on Alarm configuration page
 - o Fix, Trend console (file missing from setup)
- Core Engine
 - o Review process when Tag count limit reached (additional visual flags)
 - o Server tag are not counted any more
- Alarm Manager
 - o Add Units override in alarm definition

General Fixes reported by Error Reporting library

V5.1.0 RC3

Released: 05/20/2011

Enhancements

- Opendiem Web Services improvements
 - o Drivers comply with the V2 framework. (The Weather Channel Driver excluded)
 - o Improved driver event logging capability to streamline fault finding when communicating with third part devices.
- Echelon i.LON SmartServer driver
 - o New driver to communicate with i.LON SmartServers.
- Core Engine
 - o Correct Units for the Qualifier and Source
 - o Review Column in Trace Scan Browser
- Alarm Manager
 - o Correct Units, UTC Date, Quality include with values in the alarms states and children
- Engine Browser
 - o Correct Acknowledge Alarm feature

General Fixes reported by Error Reporting library

V5.1.0 RC2

Released: 05/12/2011

Enhancements

- Calculator Service
 - o Stability and performance improvements.
 - o Allow "Scaling Only" value to be written.
- LNS
 - o Stability and performance improvements.
- Engine Core
 - o Appearance improvements.
 - o Some language changes to improve audit log entries.
- WBC
 - o Fix Java Applet issue with Chrome 10.x & later
 - o Include now jQuery library
- Data Logger - eProfiler Add-on
 - o Improve help when connection when database fail

General Fixes reported by Error Reporting library

V5.0.5

Released: 03/14/2011

Variance Fixes

- WBC
 - o Fix ODE-65: WBC Data Logger Submit Button Disappearing.
- LNS
 - o Fix ODE-68: Release Tags After Screen View.
- Engine Core
 - o Fix ODE-60: Improved Upgrade Function for .asn file.
 - o Fix ODE-75: Issue with Qualifier Without Parses.
 - o Fix ODE-76: Grace License Period Not Honored (v5.0.1 only).
- Designer
 - o Fix ODD-8, ODD-50: Manual "Apply" Button Choice Reinstated.

Enhancements

- Calculator Service
 - o New service released for performing calculations on system variables.
- Designer

- eProfiler popup editor now in Designer.
 - All Services
 - Spelling and grammatical corrections.
 - Web Services
 - All drivers now retry a failed data request for up to three times. A failed error is only raised after 3 attempts.
 - Added 'clear events' menu item to tray popup menu for all drivers. This allows clearing of event logs and resetting driver state to normal by right clicking the tray icon and selecting the option from the popup menu.
 - Each driver now saves/persists its window position allowing different driver instances to be uniquely positioned and recalled to their last shown position.
 - Added option to drivers to choose whether the task notification icon is always visible or only when there is an abnormal state (default).
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V5.0.1

Released: 01/12/2011

Variance Fixes

- Alarm Manager, Alert Service
 - Fix ODE-63: Alerts not sending alarms.
- WBC
 - Fix WBC web screen distortion issue when choosing "live data" from a Logger chart.

Enhancements

- Alarm Manager, Alert Service
 - Add Acknowledged by and Comments to Alerts Email template setup.
 - Web Services
 - A number of feature enhancements made to all drivers improving user productivity.
 - Web servers optimized to run as Windows Services and now fully supporting Zero Configuration networking (ZeroConf).
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V5.0.0

Released: 12/01/2010

"Re-branding"

- Change of graphical elements (images & icons) on the user interface (UI)
- Remove any references of Plexus Technology Ltd, Plexus Technology, Plexus, Altitude, Pilot, Netserver from the code, file signature, etc...
 - Rename "Altitude Manager" as "Opendiem Engine"
 - Rename "Altitude Pilot" as "Opendiem Designer"
 - Rename "Altitude Integration Server" as "Opendiem Connect"
 - Rename Altitude.exe as CoreEngine.exe
 - Rename "Altitude Browser" as "Engine Browser"
 - IIS Virtual folder is now "http://localhost/opendiem" instead of "http://localhost/altitude"
- Increase the software version from 4.1.6 to 5.0
- New encryption key for the licenses & registration Code
- New file extensions:
 - Rename project file ".asn" into ".oproject" and maintain backward compatibility.
 - Rename screen file ".asc" into ".oscreen" and maintain backward compatibility.

Changes for Improved Software Maintenance & Good Practice

- Review of the Engine Public Interface.
 - Set to public the public interfaces which can be used
 - EngineCore.CDriver,
 - EngineCore.CDataService,
 - EngineCore.CService
 - Remove reference of the deprecated interface "Altitude.CServiceClient"
 - Create real consistency in all common interfaces (i.e. Status Methods, Settings, etc...).

- Rename code interfaces for better understanding
 - Scan into subscribe
 - Reset into unsubscribe
- Windows 7 Compatibility (64bit & 32bit OS)
 - Redirect all calls to the "CSIDL_PROGRAM_FILES" to the "CSIDL_COMMON_APPDATA" instead. All data files are now consistently stored in a folder structure as one Opendiem branch in the Application Data folder.
 - Redirect HKLM keys to HKCU keys, thus overcoming user permission limits imposed by the OS.
- Restructure and migration of all codes bases into common shared repository thus dramatically improving maintainability.
- Executables and libraries for all products are now stored under the 'program folders' using a cleaner structure.
- All configurations and log files are now stored together in a consistent manner, thus improving backup and redeployment capabilities.
- Merged the Engine & Designer licenses into the same file.
- Rename "IIS for WBC" into "IIS Connector"

Variance Fixes

- Engine
 - Fixed internal problem with values being lost, when scanned using a qualifier, between data services (ie Gateway).

Enhancements

- Install
 - Consolidated single setup (installer program) for all products (Engine, Designer, Connect & Webservices) for Windows XP Pro, 7 Pro, 2003 Server and 2008 Server Compatibility (64bit & 32bit OS).
 - The installer automatically checks for OS pre-requisites and installs them if needed, prior to installing Opendiem products.
 - Add user notification during install if the Java Runtime Engine is not installed or active, or ASP.NET is not installed.
- Engine
 - Added filtering for the 'Scan List' view in CoreEngine.exe (Ctrl+F10).
 - Engine now clones data values when requested by a new client (service) when the driver is slow to return a new or current value immediately after going on-scan.
- Services and Drivers
 - Alarm Manager, Alert Service
 - Use UTC timestamp to monitor Service & driver status, Alarm feedback, Alarm Heartbeat. (This corrects an issue raised during Standard Time / Daylight Savings Time switch)
 - Chronos
 - Changed the maximum number of items in Actions from 100 to 200.
 - Gateway
 - Added the option to re-enforce the input value to the output value regardless if the input value changes or not.
 - IIS Connector
 - No Change
 - LNS
 - No change.
 - Logger
 - No change. White paper for SQL database connectivity published.
 - Messenger
 - No Change
 - MODBUS
 - No Change
 - OD Connect (Formerly AIS)– **NEW DRIVER**
 - Miscellaneous changes and enhancements to improve performance and stability.
 - No changes to drivers at this release.
 - Improved Engine Driver (odc.driver.exe) for consuming local and remote data servers.
 - Built on the new multi-tasking web services framework.
 - OPC

- No change.
 - Our Home Spaces and Remote OHS Connect web server – **NEW DRIVER**
 - Ability to integrate 802.11b/g wireless technology from Our Home Spaces via WEB API connectivity.
 - Built on the new multi-tasking web services framework.
 - Reporter
 - No Change.
 - Scheduler
 - No Change.
 - Scripting
 - No Change.
 - Scrolling Chart
 - No Change.
 - Standard Functions
 - No Change.
 - System Data
 - No Change.
 - Trend
 - No Change.
 - Universal OPC Client and Remote OPC web server – **NEW DRIVER**
 - OPC COM-DA supporting DA1, DA2, DA3 servers
 - OPC XML-DA
 - Built on the new multi-tasking web services framework.
 - Weather Connect and Remote Weather Connect web server – **NEW DRIVER**
 - Multiple stations, current and forecast data.
 - Built on the new multi-tasking web services framework.
 - WBC
 - No Change.
- Security
 - Added an “ALL” link in the security interface.
 - Designer
 - No Change

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