



## **Opis zmian wprowadzonych w Adroit6 wersja 7.0.5**

Adroit 7.0 Release 5.0 Improvements and Fixes

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**IMPORTANT NOTE:** From Adroit 7.0.5 onwards, when Adroit clients are launched via a remote desktop using the session of the console user (either Session 0 or 1 depending on the operating system), then these Agent Server connections are treated as legacy local connections which do NOT require connection licences. This allows users to use remote desktop to perform maintenance, especially on stand-alone (no remote connection licences) installations.

Those affecting the Agent Server

- The saveAsName slot is always cleared at the start of an Agent Server session, users must put slot a valid filename into this slot, which is used by the saveNow slot. If the saveAsName slot is empty, then the saveNow slot uses the original load WGP file name.
  - HASPs are now correctly detected on 64 bit operating systems.
  - Fixed potential crashes when retrieving slot names and descriptions - this issue has been known to cause the UI to crash when retrieving slot descriptions that were longer than 68 characters.
  - Added compatibility with the new version of hinstall.exe (ver 5.75.13018.1).
  - Prevented the potential for invalid subscriptions to remain in memory when these are no longer required.
  - Added strWGPFFile global variable for use by agents in extended configuration files e.g. SNMP.
  - Added member variable to CAdo class to allow interrogation of last ADO error number.
  - **NEW:** The Agent Server and the Agent Server service (ass.exe) now supports addresses larger than 2GB on 64 bit operating systems (up to 4GB) and 32 bit Windows XP (up to 3GB). However, to access this larger addressing space on 32 bit Windows XP, you need to add the /3GB boot switch to your boot.ini file.
- Note: We strongly recommend that you add a new profile for 3GB operation as opposed to amending the one and only default profile. See the Adroit help for more assistance.
- Disabled the 30 minute timer for historical data access when using the OPC Client.
  - Removed unnecessary events displaying failed shadow operations especially on local agents.
  - Fixed the new link manager operations that caused all Agent Servers to join each other regardless of project name. Only remote servers that are on the same project connect automatically now.
  - Fixed the detection of the Adroit Service on new generation operating systems (Vista/2008 etc).
  - Enabled the Agent Server to operate on computers that have both the old and new HASP device drivers are installed.
  - No enforcing of connection licences for Adroit clients launched during the session of the console user (this is Session 0 on Window Server 2003 or Windows XP operating systems or older OR Session 1 on Windows Server 2008 or Windows Vista operating systems or newer).
  - Set the default log compression factor to 1.

- NEW: The Agent Server service now supports a clean shutdown attempt the DWORD registry value HKLM\Software\Adroit Technologies\Adroit\Workgroup\ServiceCleanShutdown is set to 1. A clean shutdown is required to ensure that the OPC client drivers disconnect from their OPC Servers so that these OPC Servers can clean up their resources and shutdown if necessary.
- The windows handle of the Agent Server process (AS.EXE) is now set in the registry to allow the Agent Server service process (ASS.EXE) to attempt a clean shutdown.

Those affecting the following agents:

- Alarm:

- 1) Fixed the acknowledgement action text to allow for proper alarm management operations in non-English regional settings.
- 2) NEW: The agent ensures that only legal status bits are configured within alarm types. When an illegal status bit is configured, it shows that it is in an alarm state when it is not expected to be in alarm.
- 3) NEW: The ability to inhibit an alarm WHILE an alarm is active and/or unacknowledged.

- AlarmManagement:

- 1) NEW: Added the KPI editor that displays all KPI entries found in the Adr\_AM\_UserKPIs table and allows the user to edit the value for each KPI, as follows: double click the appropriate entry and edit its value.
- 2) NEW: Any current incidents found at the startup of the Agent Server are marked as acknowledged and their active times are set to zero.
- 3) NEW: Bulk configuration of incidents: Added "Learn alarms" and "Learn events" buttons that will read the current alarm configuration and add all the unconfigured incidents to the currently selected category. Alarms are defined as incidents that need to be acknowledged and events are defined as incidents that do not require acknowledgement.
- 4) Now the Categories tree is read in multiple passes to ensure that all the categories are read.
- 5) NEW: The available incidents and categories in the Incident categorization tree are now sorted alphanumerically, to make it easier to find the required incident and/or category.
- 6) NEW: The Alarm Management Engine has been simplified by transferring the responsibility of transferring current incidents to historical incidents to a SQL trigger, instead of performing queries to do this.

- Analog:

- 1) The time slot value is no longer allowed to be greater than the current time at load up to prevent subsequent putslots being treated as historical putslots.
- 2) Fixed a realtime catchup bug, which caused the agentbad slot to be set to an incorrect status.

- Datalog:

- 1) NEW: Added all the global datalog settings to the Advanced dialog. See the help file for details.
- 2) Changed the ProprietarySetPreference methodology to NEVER return data from SQL, if this global option is enabled.

3) Fixed the record overrun problem that occurred under rare circumstances causing incorrect retrieve data.

4) Improved the accuracy of logging systeminfo.second at an interval of 1 second.

5) Improved the accuracy of logged values when values remain the same for longer than twice the sample period.

- Date:

1) This agent once again exposes its dayofweek slot.

- Device:

1) Multiple memberships to the Systeminfo agent have been removed again.

2) Standby cluster nodes relying on shadowed scanning now delays the startup of devices by 2 seconds on shadow scan, to allow the master partner, if any, to join and thus allow the proper synchronisation of the scan bad statuses.

- Digital:

1) Fixed the following problem in which agents saved in the ON state and alarmed in the OFF state would show incorrect active alarm status at startup.

2) The time slot value is no longer allowed to be greater than the current time at load up to prevent subsequent putslots being treated as historical putslots.

- Expression:

1) NEW: This agent ensures that circular references cannot be configured.

- Marshal:

1) Fixed the loading of the Marshal agent when a bit is inverted and pulsed.

2) Fixed cold start operations.

- PID:

1) NEW: Added support for realtime catchup.

- SNMPManager:

1) NEW: These agents now store their OID configuration to a GLOBAL SNMP configuration file, which is called 'snmp.wgx' by default. This allows these agents to store an unlimited number of OIDs.

- Stringlist:

1) NEW: Added support for importing text strings that contain commas.

Those affecting the UI:

#### General

- Fixed the intermittent faulty display of the Alarm agents combo box in the alarm dialog.
- Fixed the intermittent double schedule triggers in the Script and DBAccess agents, which was caused by inaccurate timing.
- Have attempted to stop the UI from crashing when a mimic is auto closed while an operator action dialog is still open.
- NEW: Alarm type names cannot be renamed to an empty string.
- NEW: When creating alarm types, all the status bits that should not be used for alarm type definitions are now DISABLED.
- Added aspect ratio information to the "Monitor dimensions" dialog.
- NEW: The operator action dialog is now closed when its parent mimic is automatically closed in the background.
- Fixed the UI crash caused by using a %s format specifier for real, integer and boolean slots.
- Fixed command-line parameter parsing to allow the demo to work correctly.

#### Mimics:

- Modified the size behaviour dialog to be more explanatory.
- NEW : Added support for the DWORD registry value Software HKEY\_LOCAL\_MACHINE\Adroit Technologies\Adroit\WorkSheet\ReportPrevOpActionValue (default=1), which if set to 0 disables the reporting of the old values in events that are logged when a value is changed by means of an Operator Action behavior.

#### Charts

- NEW: Charts now support automatic or manual scaling on their left and right axes.

#### Trends

- Reversed the Rev 22 fix, which caused UCT/Local time issues.
- Fixed the time value for scroll left operations.

#### Those affecting other components:

- AdroitX ActiveX control (adroitx.ocx):
  - 1) Fixed the fetching of device and alarm taglist slots.
  - 2) Fixed the AlarmTag functionality by providing default values for new Adroit 7 alarm fields, namely: Inhibit time, priority, delay & condition.
  - 3) Fixed ScanTag functionality to accommodate %2C characters.
- Adroit Configuration Setup utility (psexec.exe):
  - 1) Removed the illegal characters from the project/server list box when no projects or servers are defined.

2) The configuration of the demo is now forced to be a stand-alone Agent Server on installation.

- Adroit Backup utility (adrbackup.exe):

- 1) Added \*.wgx\* support to allow for the backup of the global SNMP configuration file (\*.wgx).
- 2) Changed the default backup settings to specify the root of the Adroit project folder and include the sub-directories and to specify the default backup folder as 'C:\adroit.backup'.

- Adroit Driver Monitor (drvmon.exe and pdrvmon.exe):

- 1) Added compatibility for Agent Server when running as service on new generation operating systems (Vista/2008 etc).

- NEW : Adroit HASP Updating utility (haspupdate.exe and haspupdate.dll):

- 1) Required to update Adroit HASPs using RUS codes.

- Adroit OLE interface or MIS Server (missrvr.exe):

- 1) Fixed the AlarmTag functionality by providing default values for new Adroit 7 alarm fields, namely: Inhibit time, priority, delay & condition.
- 2) Fixed ScanTag functionality to accommodate %2C characters.

- Adroit OPC Browser utility (opcbrowser.exe):

- 1) NEW: Added filter combo box to overcome browsing of OPC Servers with large lists.
- 2) NEW: Esc key can be used to abort the current browse operation.

- Adroit OPC Server utility (adropcsvr.exe):

- 1) NEW: Implemented retries on loss of Agent Server connection.
- 2) Disabled using HDA by default - this must be enabled in the properties dialog.
- 3) Fixed re-subscriptions when re-connections to a single Agent Server occur.
- 4) Improved the accuracy of datetime values, by removing the 2 second deadbanding of timestamps.

- Agent Security Manager (adrsecurity.exe):

- 1) Fixed group selection based on workgroup/domain selection so as to not have to restart this utility.

- Agent Server API (as\_api.dll):

- 1) Fixed the LogTag functionality for Marshal agents.
- 2) Fixed the AlarmTag functionality by providing default values for new Adroit 7 alarm fields, namely: Inhibit time, priority, delay & condition.
- 3) Fixed ScanTag functionality to accommodate %2C characters.
- 4) NEW: Un-alarm agents by using a negative route number.
- 5) Added apiGetVersion and apiGetRevision calls.

- WanClient (Wanclient.exe):
  - 1) Fixes for datascope compatibility with Vista.
  
- WanServer (Wanserver.exe):
  - 1) Fixes for datascope compatibility with Vista.
  
- Windows Time Service Configuration utility (w32timecfg.exe):
  - 1) Due to performance issues this application can only be used to configure the Windows Time Service and no longer monitors time differences.

### **Opis zmian wprowadzonych w Adroit6 wersja 7.0.5.1**

Adroit 7.0 Release 5.1 Improvements and Fixes

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IMPORTANT NOTE1: Adroit 7.0.5.0 presents a SERIOUS datalogging issue for users that are logging ADO timestamps to SQL databases ONLY (not MS Access). The logged ADO timestamps are stored two days ahead of what they should be.

Note: The DBAccess agent is not affected by this problem.

This issue can be resolved if you follow this TWO-STEP process:

ONE: Install the Adroit 7.0.5.1 update to upgrade your existing Adroit Datalog agent so that all the ADO timestamps that you log from now on will be stored correctly.

TWO: Follow the instructions displayed after the installation to fix your logged ADO timestamps.

IMPORTANT NOTE2: Important fixes have also been made to the AlarmManagement and SNMPManager agents.

Those affecting the Agent Server

- Support added for global debug map files.
- The agent statusSubscribed slot is set to TRUE as long as one or more subscriptions to the agent are active.
- Fixed the failure to read softlicences.
- Raised the unlimited scanpoints from 100,000 to 500,000 for Adroit SA.
- Fixed the setting of the strServerName global variable to fix alarm management licencing operations.

Those affecting the following agents:

- Alarm:

1) Ensured the clean shutdown of Alarm agent threads when deleting an Alarm agent and the proper creation of threads when creating an Alarm agent from the Configurator.

2) Current alarms that are cleared but not been acknowledged are now ALSO removed if the agent's statusAlarmInhibit flag is set.

3) NEW: Extended the support for active alarm inhibition, by adding and configuring the following DWORD registry value: HKEY\_LOCAL\_MACHINE\SOFTWARE\Adroit Technologies\Adroit\Workgroup\WG.INI\SmartInhibit

- AlarmManagement:

1) IMPORTANT FIX: Fixed the Housekeeping bug that caused all historical incidents to be deleted when the Housekeeping check box is unchecked.

2) The number of housekeeping days cannot be set to less than 30 days.

3) Fixed the referring incident ID for associated tag value entries when alarms are not acknowledged.

4) Changed the data displayed in the grid when adding reasons and notes.

5) Changed the cleanOnRecCount slot name to housekeepEnable and the cleanCount slot name to housekeepCount.

6) Fixed bug that allowed multiple agents to be created and saved which subsequently caused Agent Server restart failures.

- Datalog:

1) IMPORTANT FIX: the logging of ADO datetimes to SQL now accomodates .NET's datetime base date of 1900/01/01 instead of the legacy 1899/12/30, so that these timestamps are no longer out by 2 days!

SEE THE TWO-STEP PROCESS REQUIRED TO FIX THIS PROBLEM AT THE TOP OF THIS FILE.

2) The datalogging subsystem now hooks into the controlled shutdown of the Agent Server to ensure that no file writes are currently busy.

3) Fix for intermittent loss of samples.

- Device:

1) Support for larger job offsets as required by UDT sub system.

- Notify:

1) Fixed the problem that prevented Notify agents from being created in western time zones.

- Scan:

1) Support for larger job offsets as required by UDT sub system.

- SNMPManager:

1) IMPORTANT FIX: this fixes the problem introduced in Adroit 7.0.5.0, where the SNMP agent did not save itself correctly to the WGP file, so that a subsequent restart of the Agent Server ALL the SNMP

agents did not load correctly.

2) Octet strings that have a CRLF sequence as the last two characters will be treated as a null terminating character.

- UDT:

- 1) Fixed the problem that intermittently prevented the UDT dialog from being displayed in the UI.
- 2) Fixed the deletion of invalid pointer.
- 3) Changed the scan point licencing methodology to only consume a scan point license when the rawValue contents are changed for the first time.

Those affecting the UI:

Alarm windows

- 1) Fixed the UI crash caused by the intermittent illegal sorting of the alarm entries by date time.

Trend windows

1) Enable the export for every pen as long as a datalog exists for it - even if this datalog only contains bad data.

Those affecting other components:

- Adroit ActiveX control (adroitx.ocx)

- 1) Fix to rev 2 for failure to retrieve list slots.

- Adroit Backup utility (adrbackup.exe):

- 1) Fixed the persistence of the file type selection dialog.

- Adroit Configuration Setup utility (psexec.exe):

- 1) Fixed an intermittent problem that could hang PSEXEC.
- 2) NEW: The 'Version' attribute is now displayed for installed drivers - so you no longer need to obtain this from Windows Explorer.

- Adroit Security Manager (adrsecurity.exe):

1) This utility now displays the correct user groups when selecting between domain and workgroup, without having to restart the utility.

- Agent Server API (as\_api.dll):

1) apiPutSlotVariant() automatically converts datetime values to UCT time before committing them to the Agent Server.

- OPC client Driver (opc\_cl.dll):

1) This fixes the problem that prevented the Datascope from being displayed for the OPC\_CL driver when running the Agent Server as a service on Windows 7 and VISTA and removes the obsolete shutdown event monitoring.