[Surveyor 6 Release Changes](http://dev.verdiem.local/confluence/display/PRODMAN/Surveyor+6+Release+Changes)

**Changes in Surveyor 6.5.101 - Released July 6, 2018**

***New Product features***

* Replaced FLASH UI with HTML 5 UI
* Auto-Retirement

***Product enhancements***

* Added multiple UI and client-side security improvements
* Encrypted client upgrader
* Annual (12 trailing month) report improved
* General bug fixes

**Changes in Surveyor 6.4.302 - Released February 18, 2018**

***Product enhancements***

* General bug fix – Script not signed properly, PSTM error, resolved

**Changes in Surveyor 6.4.301 - Released December 13, 2017**

***New Product features***

* Added Power Change Notification UI for Mac client
* Added new Surveyor Annual (trailing 12 month) report

***Product enhancements***

* Improved Data purge
* Improved performance of SSRS-based reports
* Security and General bug fixes

**Changes in Surveyor 6.4.201 - Released July 21, 2017**

***New Product features***

* Remove requirement for .Net 3.5 framework, now supporting .Net 4.6.2
* Support for Java 8 added
* Windows Server 2016 support added
* System Center Configuration Manager (SCCM) support added for 1606, 1601, and 1702
* Added printer reports back to available reports

***Product enhancements***

* Added ability to configure number of devices returned in Advanced WRA, non-admin screen
* Database shrink added to data management
* Default timeout values for all reports increased

***Product issues resolved***

* Bug ID 128298, resolved an issue with reports where if there is existing data for a report in the browser window, the same data will be display for successive reports

**Changes in Surveyor 6.4.101 - Released March 6, 2017**

***New Product features***

* Replaced reporting component, based upon SQL Server Reporting Services backend
* Surveyor Agent deployment support for Mac 10.12
* Improved Client-Server communication with addition of priority message queue
* System Center Configuration Manager (SCCM) support added for 1602
* Added printer reports back to available reports

***Product enhancements***

* Enhanced cookie security when using SSL certificates
* Better CPU management of Surveyor application server
* Categorization of Wakes for better, more granular wake management and reporting

**Changes in Surveyor 6.3.101 - Released June 17, 2016**

***Surveyor Agent, new features***

* Surveyor will support MacOS 10.11

***New Product features***

* Added ‘Go Green’ capability, allowing users to choose between base policy and a more aggressive, ‘Green’ policy
* Added additional roles and permission granularity allowing role to administer energy rates within Locations

**Changes in Surveyor 6.2.201 - Released September 11, 2015**

***Surveyor Agent, new features***

* Surveyor will support the latest operating systems
* MAC 10.10 and MAC 10.9
* Windows 10 and Windows 8.1

***Surveyor Analytics, new features***

* In the existing Device Count by Policy report, provides number of devices and also provides details of polices available.

***WRA, new features***

* When the user logs into WRA, it provides the list of machines that are recently logged in. It will help the user to wake the machines based on the permissions given in Surveyor.

***SCCM Integration, new features***

* Surveyor now provides support for Application Deployments

***Surveyor Server, new features***

* From the UI, the reference to Energywise is removed like:
* Reports: Cisco Energywise summary report has been removed
* Schemes: Energywise background scheme is removed
* Policies: From the Insert Power level transition drop down menu, Insert Energywise

**Changes in Surveyor 6.2.101 - Released May 25, 2015**

* SD-1635 – Fixed issue where special characters in the printer strings would cause error on SQL insert
* SD-1683 – Fixed the problem for option 'Keep detailed diagnostics device data for' by changing the default value to 7 days
* SD-1685 – Fixed the problem where Surveyor administrator sorts the 'Days Registered' column as text rather than numeric
* SD-1696 - Branding changes for Surveyor

**Changes in Surveyor 6.1.306 - Released February 27, 2015**

***Surveyor Server Installer:***

* SD-1677 - Fixed problem when upgrading databases where PSTM scripts had been configured.
* Power Management Pack for ConfigMgr:
* SD-1678 - Fix problem where clients can be not awakened because they are incorrectly identified as not licensed.
* SD-1679 - Fix problem where Ignore Maintenance Window is ignored.

**Changes in Surveyor 6.1.305 - Released January 8, 2015**

* Changes license agreements to reflect purchase of Surveyor by Aptean.

**Changes in Surveyor 6.1.304 - Released December 30, 2014**

***Major Enhancements:***

* New Printers menu item allows setting reporting attributes of printers, including name, driver type, color capability, and type (network vs. local).  Also allowed are merging of multiple discovered printers into a single printer (useful when automatic matching is not able to determine the printer is the same).  See the in-app Help for more details.
* A PSTM script is automatically run on agents when setting or clearing Wake on Magic Packet Only capability.  This allows network drivers with non-Windows-standard WOL settings to be configured correctly for wake.  Note this feature requires Surveyor Agent version 6.1.302 (or later).

***Surveyor Analytics:***

* New Wake on WAN Device Status report allows viewing device wake history by Group and Location.
* SD-1638 Print reports showing Top and Bottom now have improved styling and readability.
* SD-1639 Print jobs to monochrome-only printers are now always reported as monochrome print jobs.

***Surveyor Agent:***

* SD-1631 Fix a scenario where a print job could be reported more than once.

**Changes in Surveyor 6.1.203- Released October 28, 2014**

***Surveyor Server:***

* SD-1635 - Fix for PMP service error 'ErrorCode [8152]; String or binary data would be truncated.' that could occur in some situations when inserting data into the PrintJob table on SQL Server.
* SD-1636 - Fix for PMP server error  'Unrecognized escape sequence' that could appear with some printer names when Print features are enabled.

**Changes in Surveyor 6.1.202- Released September 11, 2014**

***Installer:***

* SD-1628 - Surveyor installs or upgrades to the newest version of Java 7 rather than Java 6.  Java 6 is not removed.
* SD-1592 - Surveyor Server Installer now installs SQL Express 2014 rather than SQL Express 2008 during new installations when no SQL Server is found.  Existing installations using SQL Express 2008 are not upgraded.
* SD-1585 - Installer now informs users of potential problems with location of installation files that can cause installation to fail.

***Surveyor Server:***

* NEW feature to manage data size by configuring how many recent days of hourly summarized data are maintained can result in significant space size reduction for Surveyor installations with several years of data.

***Surveyor Database:***

* SD-1563 - DB upgrade script now automatically fixes potential issue with untrusted constraints (uncommon).
* SD-1590, SD-1591, SD-1616 - Improve efficiency of SQL Server use by adding indexes when appropriate.

***Surveyor Analytics:***

* Big Improvements to Dashboard performance due to the use of Daily data sources rather than Hourly data sources for most dashboard reports.
* SD-853 - Fixed incorrect MIME extension type for automatically emailed Monthly Savings Details Report to be Excel rather than PDF.
* SD-1606 - Fix problem where Installation and Licensing Summary report had incorrect counts for policy types.

***Surveyor Agent:***

* SD-1583 - Surveyor agent now preserves its current policy during an upgrade, preventing potential problems caused by having no policy for a few minutes.
* SD-1593 - Fix uncommon crash when discovering printers.

**Changes in Surveyor 6.1.126 - Released March 21, 2014**

***Surveyor Server:***

* NEW features for AdminCommand to import Locations, Groups, and Roles from command line.
* SD-1385 - Fix for AdminCommand commands when mutliple devices with the same name exist in Surveyor.  New behavior is requested action is taken on all devices with matching name.
* SD-1570, SD-1571 - Improve consistency of AdminCommand handling of Group and Location paths.
* SD-1515 - Changed behavior when PSTM rules are defined so they only run during the scheduled policy time, even when the PSTM rule is in Background setting.
* SD-1520 - Server installer now logs when other IIS apps are already installed to help detect potential conflicts during post-install diagnostics.
* SD-1463 - New database index on new DB installations to improve performance at large scale.  The index can be manually added to existing installations as needed.
* SD-1559 - New script and simplified process to configure Surveyor Server for SSL.
* SD-1461 - Improve server and database performance when deleting old Wake job data.
* SD-1378, SD-1399 - Improve ability to correctly categorize certain printer configurations as local vs. network.

***Surveyor Administrator:***

* SD-1519 - Fix slowness in loading Locations page by removing the Devices tab.  Better to use the Search or Groups view to find devices in particular locations.
* SD-1380 - New capability to sort by Baseline columns.
* SD-1518 - Improve licensing behavior when new licenses are added.
* SD-1390 - Fix problem where license status can be incorrectly reported as unavailable even though the device is licensed.
* SD-1526 - Fix problem with incorrect sort order of Last Connected Time.

***Surveyor Agents:***

* SD-1548 - Fix uncommon crash scenario: NULL\_CLASS\_PTR\_READ\_c0000005\_log4cxx.dll!Unknown
* SD-1546 - Change behavior of Kill Process PSTM rules so they first attempt a graceful shutdown of the process.
* SD-1383 - Agent installation on Windows 8 now configures system to allow WOW from off and sleep states.

***Surveyor Analytics:***

* SD-1442 - Surveyor Monthly Savings Report (PDF) now runs for only a single month and has text to show which month it is reporting upon.
* SD-1367 - New report to show retired devices.

**Changes in Surveyor 6.1.122 - Released October 22, 2013**

***Surveyor Server:***

* SD-1458 - Fix problem where automatic removal of old data could fail due to database record locking when removing old WakeJobs.
* SD-1432 - Remove spurious and misleading log message in AdminWebService.log when the server is not joined to a Windows domain.
* SD-1374 - Fix incorrect log message "Sending Email Report" that should have instead informed user of Proxy management operations.

***Surveyor Administrator:***

* SD-1382 - Fix problem where sorting devices in Locations view could cause incorrect set of device to appear.

***Surveyor Agents:***

* SD-1360 - Fix problem where certain Unicode characters in printer attributes could cause agents to be unable to communicate their events with Surveyor Server.

***Power Management Pack for Microsoft Config Manager:***

* SD-1435 - Fix problem where collection wakes could fail when the same device is requested to be awakened multiple times by being in mutiple ConfigMgr collections.

**Changes in Surveyor 6.1.115 - Released June 5, 2013**

***Major Features:***

* Introduced support for Windows Server 2012 / IIS 8 and SQL Server 2012.
* Sorting on device list causes entire list of agents to be sorted.
* Database maintenance is automatically performed by tasks that are scheduled in Windows Task Scheduler.
* Devices can be retired and removed from view by using new Retire Device capability in Surveyor Administrator.
* New columns in device view can show why devices received a particular license type and their retirement status.

***Upgrade Notes:***

* SurveyorServerSetup automatically upgrades 6.0.502 or later server installations. Upgrading to 6.0.502 is done by Verdiem Customer Support.

***Surveyor Agents:***

* Agents manage size of local data store to a reasonably small size (less than several MB).  Before introduction of print tracking, this was not a potential issue.
* To enable agent-side control via script, the agent can be instructed to never sleep by setting registry entry.
* Fixed problem where user notification dialog box (when configured) would not appear to the end user.
* SD-1330 - Adjusted display state detection to handle cases where Windows intermittently incorrectly reports a state of 'unknown' for a few seconds.

***Surveyor Server:***

* New printer summarization enhances speed of reporting, especially notable in large deployments.

***Surveyor VBOX:***

* New capability to configure user accounts and IP addresses via a configuration web page.

***Power Management Pack for Microsoft Config Manager:***

* Collections are refreshed just before Surveyor begins waking them.  Because of this, ConfigMgr collections that are dynamically updated will have their new members awakened by Surveyor Server.

***EnergyWise:***

* EnergyWise Provisioning Service is disabled by default and must be enabled and started where EnergyWise is used.
* EnergyWise Service is no longer visible in Surveyor Administrator.

***Surveyor Analytics and Reporting:***

* New report: Device Reporting Count by Time

***Known Problems:***

* Monthly Savings Summary Report does not send until the Monday after data has appeared in prior week. (Can test with Details Report)
* "Print" in Dashboard or Advanced Reporting results in gobbledeguck / error messages. Fortunately, info shows up pretty quickly.

**Changes in Surveyor 6.0.702 - Released April 12, 2013**

***Surveyor Agents:***

* SD-1222 - Fixed problem where print detection can stop working when a printer is removed from network.

***Surveyor Analytics and Reporting:***

* SD-1224 - New report 'Device Count by Time' allows selection of dates, groups, locations, etc.
* SD-1223 - Fix Summary Dashboard problem where Energy Savings kWh is also reported as CO2 savings.
* SD-1216 - Fix problem where drilling into agent detail on Agent Versions report resulted in an error.

**Changes in Surveyor 6.0.701 - Released March 29, 2013**

***Major Features:***

* Printer Analytics
* Dashboard / Analytics Improvements
* Additional license types plus can set Preferred License Type on computers.

***Upgrade Notes:***

* SurveyorServerSetup automatically upgrades 6.0.502 or later server installations. Upgrading to 6.0.502 is done by Verdiem Customer Support.
* Includes newest version of Java 1.6.
* Database upgrades to 7XX schema go quickly.

***Other Changes of Note:***

* Javascript and Flash in AdminUI are now no longer cached- this results in no more AdminUI compatibility errors between releases.
* All report settings now on single "Report Settings" UI.
* Improvements in how AdminUI responds to browser window size changes.
* Installer and upgrader improvements based on feedback/problems discovered 'in the wild'.
* There are now 4 different PC license types along with the ability to supersede an existing license with a new license.
* User interface looks and works well when running under Internet Explorer's Compatibility Mode.

***Surveyor Agents:***

* SD-1042 - New script signing certificate is now installed when upgrading to Surveyor Windows Agent.

***Surveyor Server:***

* SD-946 - Fixed problem where computers with jumpy time clocks could have more than 100% Baseline CPU On time.
* SD-948 - AdminUI now warns about unsaved changes.
* SD-1044 - Improved reliability of trimming Wake Job History tables on slower database servers.

Surveyor Analytics and Reporting:

* SD-1010 - Can now select group in tree without selecting any of its subgroups.
* SD-1033 - Fix problem where report email could time out without sending report.

***Known Problems:***

* Monthly Savings Summary Report does not send until the Monday after data has appeared in prior week. (Can test with Details Report)
* "Print" in Dashboard or Advanced Reporting results in gobbledeguck / error messages. Fortunately, info shows up pretty quickly.
* Others TBD

**Changes in Surveyor 6.0.602 - Released January 26, 2012**

***Major Features:***

* Proxy Control, Subnet-Directed Wake, 802.1X Support
* Server Auto-Upgrade and other server installer enhancements

***Upgrade Notes:***

* SurveyorServerSetup automatically upgrades 6.0.502 or later server installations. Upgrading to 6.0.502 is done by Verdiem Customer Support.
* Includes newest version of Java 1.6.

***Other Changes of Note:***

* Display state conversion handled automatically by Task Processor. We discovered an issue at Kaiser where computers with multiple display drivers (even if not connected to real displays) caused the agent to never report "Display Sleep". After install, the server automatically 'patches' events from event store to update existing installations, then will automatically correctly interpret data from agents to correct for the misreporting.
* Drop support for Server 2003.

***Surveyor Agents:***

* SD-956 - New code-signing Certificate (expire 2016) is installed with Surveyor Windows Agent.
* SD-995 - The 6.0.505 Mac Agent is shipped with this release.

***Surveyor Server:***

* SurveyorServerSetup logs extensively.
* Sim.exe is installed with Surveyor Server.
* SD-963 - Fixed problem where Simulator fails to correctly handle "Wake at Time" in policy.
* Logging, especially around proxy management has moved to "DEBUG" level rather than "INFO" level.

***Surveyor Analytics and Reporting:***

* SD-899 - Savings Summary (green metrics) available in Analytics for Slice/Dice.
* SD-899 - Can manually set "Start of Time" for Dashboard by editing file inc\_date\_ranges.fex.
* SD-955 - Fixed problem where Analytics Power State Details can fail to report data when Groups/Locations are selected.
* SD-971 - New Excel Details report available to slice/dice and provide detailed per-agent information.
* All pages on "Summary" Dashboard report for "All Time" (except last 12 weeks pod in top right position).

***Known Problems:***

* Agent Upgrade does not install the new code signing Certificate (will be fixed in Printers release).
* Monthly Savings Summary Report does not send until the Monday after data has appeared in prior week. (Can test with Details Report)
* "Print" in Dashboard or Advanced Reporting results in gobbledeguck / error messages. Fortunately, info shows up pretty quickly.

**Changes in Surveyor 6.0.502 - Released October 26, 2012**

***Major Features:***

* Surveyor Dashboard, Surveyor Analytics (Advanced Reporting is gone)
* Reportable data is keep in 15 minute increments for all devices.
* Massive reduction in database size requirements.
* Monthly Savings Reports can now automatically be sent via email.
* Surveyor System Center 2012 Integration, System Center 2008 Integration
* Custom Data from Agents can be used in rules
* Custom Data on Server DB can be used in rules
* Scalability and Efficiency Improvements throughout product
* LastUser is available in admin console and for rules.

***Upgrade Notes:***

* Upgrading from prior releases is a 'Heavy Lift' and is generally done by Customer Success team

***Other Changes of Note:***

* Massive changes to Summarization. It is now managed by Task Processor rather than being an independent process.
* Data cleansing now managed by Task Processor. TrimTables stored procedure has been removed from the product.
* Operational State and EnergyWise Operational State moved from Admin menu to Analytics.
* All triggering of Summarization, Cleanup are now handled by Windows Tasks or via Tools\AdminCommand.exe.
* WakeJob and WakeJobDeviceStatus are now automatically trimmed to "Diagnostic Event Keep Days" set in admin console.
* New Mac agent supports Auto Update for future Surveyor releases.
* A new 'Scripts' folder contains simple but handy "Stop all Surveyor Related Services" and "Start all Surveyor Related Services".  Give the server a minute or two between stopping and starting.
* Scripts folder contains "Collect all Surveyor Logs" that automatically creates a time-stamped ZIP files with all logs that might contains useful health check or troubleshooting information.  When investigating or submitting a problem, always send the results of that command.
* Database size is managed to only keep "Reporting Events Keep Days" set in Admin console.

***Surveyor Agents:***

* SD-753: Fixed problem where agent can crash when EventStore is inaccessible under uncommon circumstances.

***Surveyor Server:***

* SD-259: Improvements to startup AdminUI web page when there is no Flash, when there are DB connect errors.
* SD-363: Fix problem where PSTM Scripts were not sent to agents unless the name of the PSTM script was changes (even if contents of script were updated).
* SD-472: Fix problem in Roles and Permissions where searching for Windows Users/Groups was case sensitive.
* SD-552: Hide Unlicensed Devices now hides all unlicensed devices.
* SD-569: Server log files include product version numbers and obvious 'Service Starting' headers.
* SD-650: Expired licenses are no longer included in total counts.
* SD-671: Can now delete Locations.
* SD-672: Watt Draw now appears with one decimal point after whole number.
* SD-680: Updated Java that is installed with newer version.
* SD-694: Fixed problem where AdminUI cannot find Domain Local security groups in some circumstances.
* SD-699: Default Database growth rate now set to 100MB, which is more efficient for SQL Server.
* SD-733: TrimTables stored procedure is no longer used to remove data from DB. It is now handled by PowerManagementTaskProcessor
* SD-753: Fixed problem where agent can crash when EventStore is inaccessible.

***System Center Integration:***

* SD-678: Installer now correctly configures Service Account credentials.

***Known Problems:***

* Monthly Savings Summary Report does not send until the Monday after data has appeared in prior week. (Can test with Details Report)
* Activity - Computer Power State Details report contains 15 minute detail data and can take a while to run. A ridiculously long while if somebody selects 'Last Two Weeks' or even more ridiculously longer if longer time periods are selected. We should prevent users from selecting a time span of longer than 7 days and warn them of a time span of more than 3 days, but don't.
* "Print" in Dashboard or Advanced Reporting results in gobbledeguck / error messages. Fortunately, info shows up pretty quickly.

**Changes in Surveyor 6.0.411 - Released October 1, 2012**

* SD-719: Fixed problem where DataSummarization failed due to bug where Agent reported time span of 10+ years with a change of time zone at same time.
* SD-720: Increased database timeout for DataSummarization to make it more robust in circumstances where DB server is slow to respond.
* SD-726, SD-730: WRA now supports vPro environments and includes specific configuration for desired behavior.
* SD-731: Can enable/disable PCs from joining EnergyWise domains using the EnergyWise Domain Configuration tool.
* SD-732: Fixed problem where WOW proxies were not sending Magic WOL Packet quickly under certain circumstances.

**Changes in Surveyor 6.0.404 - Released August 31, 2012**

* Beta for System Center 2012 Integration
* SD-704: Agent crashing on shutdown under uncommon circumstance, but quite commonly at one particular customer.

**Changes in Surveyor 6.0.401 - Released June 14, 2012**

***Major Features:***

* Surveyor Agents now join EnergyWise domain whenever domain is configured.
* Surveyor Agent installer now configures Windows Firewall to allow inbound connections to Surveyor.
* Support for new "Measure Only" license for PCs and Macs.

***Other Improvements/Fixes:***

* SD-575: Device search is much faster than in prior releases.
* SD-440: AdminCommand.exe now supports Location assignment.
* SD-634: Improved reliability in Wake jobs in various situations.
* SD-551: Baseline percents in AdminUI now add to 100.00.
* SD-609: SurveyorServerSetup now sets DB to Simple Recovery Mode (rather than Full Recovery Mode), putting lower load on SQL Server.
* SD-435: Wake is not attempted (and logged) when no proxies exist in a broadcast domain.
* SD-566: Support for Internet Explorer 7.
* SD-622: Additional robustness for Agent Upgrades: when upgrade fails for some reason, old agent continues to run.
* SD-579: Move group now works as expected.
* SD-492: SurveyorServerSetup now deploys reports whenever Surveyor is re-installed.
* SD-314: PDF generation now works in Server 2008 R2 (an IIS authentication setting was preventing correct operation).
* SD-628: Device Events Report now does not run when initially going into Device Events Report- the initial run could caused undue delays in large deployments.
* SD-565: SurveyorServerSetup now asks for DB info before service account info.
* SD-526: Improvements in "Daily Use" charts, especially when selecting a single day.

**Changes in Surveyor 6.0.317- Released May 25, 2012:**

* Changed AgentUpgrader to prevent reboot in all known situations. We had discovered a case where DLLs shared with other Windows applications (such as msvcr90.dll) would cause agent to reboot upon upgrade.

**Changes in Surveyor 6.0.315 - Released May 15, 2012:**

* SD-605 – Changed server so newly installed agents now appear quickly in Surveyor Administrator. In earlier versions of 6.0.3XX, new devices would not appear until a ‘checkin interval’ had passed.
* SD-584 – Fixed occasional problem where agents caused Windows to boot more slowly than normal- occasionally taking several extra minutes.
* SD-597,595 – Fixed problem where certain Windows security software that actively monitored/managed network connections caused Surveyor to be unaware of the connected IP address, causing the Wake For Remote Access feature to not work as expected.

**Changes in Surveyor 6.0.312 - Released May 1, 2012:**

* SD-548 – Surveyor Server install now installs newest version of Java 6.
* SD-547 – Surveyor Server install now detects Java upgrades requiring reboot before Surveyor Server can correctly install.
* ??? – Surveyor Server installer now disables Java automatic upgrade, since the automatic upgrade process is known by Oracle to be broken unless done in a ‘clean’ state where no Java applications are running.
* SD-548 – Fixed problem where Device Search could be very slow in systems with tens of thousands of devices.
* SD-570 – Fixed problem where Surveyor might not recover correctly when SQL Server is unavailable when Surveyor Services start.
* SD-542 – Surveyor Server install now adds timestamps to logfile names to better allow diagnosis when multiple install / reinstall attempts have been made.

**Changes in Surveyor 6.0.310 - Released April 12, 2012**

***Surveyor Agents:***

* SD-529: Enhancement so agents can now install with DATA folder in alternate location.
* SD-523: Fix problem where agent was unnecessarily logging a generic unconfigured message type to Windows Event log ("Description for Event ID (0) in Source PwrMgrService cannot be found").
* SD-408: Fix problem where EnergyWise settings could be lost upon agent upgrade.

***Surveyor Server:***

* SD-525: Fixed problem where some messages could be dropped, leading to unreliability when performing immediate actions such as policy changes. For PCs, things eventually resolved correctly, but some EnergyWise policies could end up in Policy Conflict state. We believe some of the unreproduceable problems we occasionally saw may be due to this problem.
* SD-482: Significantly enhanced performance / reduced CPU load when running rules. Enhancements range for 3X improvement to greater than 10X depending on the operation.
* SD-512, SD-534: Fixed bug where occasional exception in PMP service caused excessive CPU use and an unresponsive server.
* SD-544: Fix problem that can occur in an overloaded / heavily taxed server that caused database server connections to fail, thus stopping Surveyor Server from functioning correctly.
* SD-487: Currency deletion now has a confirmation dialog.
* SD-486: Users are now prevented from deleting the default exchange rate for a currency.
* SD-487: Fixed problem where agents could crash when accessing performance counters on certain localized versions of Windows.

**Changes in Surveyor 6.0.303 - Released March 18, 2012**

* See [Surveyor 6.0.303 Changes and Fixes](http://dev.verdiem.local/confluence/display/PRODMAN/Surveyor+6.0.303+Changes+and+Fixes) for details of this major feature release.

**Changes in Surveyor 6.0.212 - Released February 13, 2012**

***Surveyor Server:***

* SD-397: Fixed bug where Task Process can stop receiving workload messages, causing Surveyor to stop performing many operations. This problem only occurred when Surveyor Server was under very light load (only a few clients connecting) and typically during weekends where long periods could occur without any interactions with clients.
* SD-362: Fixed problem where scheduled EnergyWise levels in a policy might not be applied to EnergyWise devices when policies are applied manually or by running Policy Assignment Rules.
* SD-405: Fixed problem where DataSummarization can fail with an "InvalidOperationException: Sequence contains no elements" when EnergyWise devices are included in the network.

***Surveyor Database: No Changes***

***Surveyor Advanced Reporting: No Changes***

***Surveyor Server Setup: No Changes***

**Changes in Surveyor 6.0.209 - Released January 14, 2012**

***Surveyor Agents: No Changes***

***Surveyor Server: No Changes***

***Surveyor Database: No Changes***

***Surveyor Advanced Reporting:***

* SD-361: Fixed bug where advanced reporting date ranges such as Past 6 Months fail to work after January 1, 2012.

***Surveyor Server Setup:***

* SD-334: Fixed issue where Surveyor Server installation can fail when trying to copy an installer log file that doesn't exist. This can occur under normal circumstances and no longer causes installation to fail.
* SD-352: Fixed issue where Surveyor Server installation can fail when IIS has already been installed but is missing key features required by Surveyor (IIS-StaticContent and IIS-DefaultDocument features).
* SD-329: Fixed issue where install log contains plaintext password for WakeForRemoteAccess user created during installation appears in the installation log file.
* SD-321: Add capability to skip checking OS version during install and attempt install regardless of what OS version is reported. This is an unpublished capability of SurveyorServerSetup that is intended for use by Verdiem technical staff.
* SD-347: Fixed issue where Surveyor Task Processor service can fail to start on systems without Internet connectivity due to inability of OS to check code is signed by a valid, unrevoked Code Signing Certificate.
* SD-328: Fixed issue where SurveyorServerSetup fails to report that Server 2008 NOT R2 is an unsupported OS, resulting in a failed install.
* SD-376: Fixed issue where SurveyorServerSetup can report installation failure when a component takes more than 10 minutes to install due to a server with very poor performance.

**Changes in Surveyor 6.0.208 - Released November 29, 2011**

* Surveyor 6.0.208 includes improvements to the installation process and a few fixes for problems discovered in the server.  No changes were made to Surveyor Agents.

***Surveyor Server: Minor Change to fix rare issue when using Edit Baseline***

* SD-283: Fixed issue where Edit Baseline for a group with child groups throws an exception in some circumstances. Workaround was to perform the Edit Baseline operation on each child group separately.

***Surveyor EnergyWise Proxy Service: Minor Change to enhance scalability in 5,000+ EnergyWise device deployments***

* SD-304: Improvements to scalability of EnergyWise Proxy Service. Updating to a new EnergyWise Proxy Service is only warranted in environments with many thousand EnergyWise devices serviced by a single EnergyWise Proxy Server.

**Surveyor Server Setup: Many changes and improvements**

* SD-147, SD-198, SD-302: Fixed issue where SurveyorServerSetup occasionally leaves IIS not running on Windows Server 2003 / IIS 6
* SD-191: Improvement so SurveyorServerSetup now performs detailed logging of its actions
* SD-287: Improvement so installing user is automatically added to the "Root Users" security group to help avoid situations where security locks out the installing user.
* SD-288: Improvement so a critical IIS scalability setting for Windows Server 2003 is made by the installer.
* SD-289: Improvement so SurveyorServerSetup reports if there is insufficient disk space or RAM on the server. Installation is prevented if there is so little space the installation would fail due to errors.
* SD-290: Improvement to SurveyorSetupSetup where DB Connection Information is on a separate page in the Advanced Installer flow.
* SD-292: Improvement so SurveyorServerSetup can optionally run just the WebFOCUS configuration steps or other options based on command-line parameters.  See ?[Using SurveyorServerSetup Options](http://dev.verdiem.local/confluence/display/SUR6/Using+SurveyorServerSetup+Options) for more information.
* SD-293: Fixed issue where SurveyorServerSetup does not set the IIS Default AppPool IDENTITY to the service account selected by user in the Advanced Installation flow.
* SD-295: Fixed issue where SurveyorServerSetup would fail if Windows is not installed on the C: drive.
* SD-296: Improvement so SurveyorServerSetup copies WebFOCUS install logs into the same folder as other installation logs (typically C:\Users\<INSTALLING\_USERNAME>\AppData\Local\Verdiem Corporation\Server Install Logs).
* SD-297: Improvement so SurveyorServerSetup informs user they must uninstall WebFOCUS Tomcat before attempting re-installation. Re-installation of WebFOCUS Client fails if Tomcat has not been uninstalled first.
* SD-298: Improvement so SurveyorServerSetup backs up IIS configuration before installation. This will help troubleshoot problems where Surveyor is installed on systems with pre-existing web applications.
* SD-299: Improvement so SurveyorServerSetup writes logfiles of the DISM.EXE configuration of IIS. This helps troubleshoot problems with installation where DISM.EXE fails on Windows Server 2008 R2.

**Changes in Surveyor 6.0.203 - Released October 26, 2011**

* NOTE: This was a major feature release- changes are not individually listed. All Surveyor 6 customers should be upgraded to the 6.0.2XX release.