The Latest NetBotz News:

Now Available for NetBotz 500, 420, and 320 Appliances: BotzWare Version 2.6.1

In addition to additional performance improvements, BotzWare 2.6.1 introduced the following new features and enhancements:

- Updated Daylight Savings Time support: Includes updates designed to address changes in the scheduling of Daylight Savings Time in the United States. Beginning March 2007, the United States will extend its Daylight Saving Time (DST) in accordance with the Energy Policy Act of 2005. Under the new law, DST begins on the second Sunday in March and ends the first Sunday in November. This upgrade ensures that your NetBotz appliances will adjust for Daylight Savings Time correctly.

  Note: Be sure to apply any DST patches that are available for your Advanced View console system's operating system as well.

- Support for APC Rack Access PX: Rack Access PX units can be managed and monitored using the NetBotz appliance Pod Sharing capabilities. Use the Pod Sharing task and IP address of the Rack Access PX to connect the Rack Access PX as a shared pod.

  Once connected, the Rack Access PX will provide the following sensors:

  - Beacon
  - Beacon Status
  - Front Door
  - Front Door Open Timeout
  - Front Door Status
  - Front Handle
  - Front Handle Status
  - Front Lock
  - Front Lock Details
  - Front Lock Forced
  - Last Card ID

    - Last Card Status
    - Rear Door
    - Rear Door Open Timeout
    - Rear Door Status
    - Rear Handle
    - Rear Handle Status
    - Rear Lock
    - Rear Lock Details
    - Rear Lock Forced

  You can also use the Set Switch Output State Alert Action to configure output actions that turn the Rack Access PX's beacon on or off, and that locks or unlocks the front and back doors on the rack.

  Note: When using a Set Switch Output State Alert Action to unlock the front or rear doors, the door will remain unlocked for from 1-10 seconds before the Rack Access PX automatically relocks the door. The length of time for which the door will remain unlocked is determined by the Auto-Relock value, specified in the Door Properties pane of the Rack Access PX web-based configuration interface. For more information, please refer to your Rack Access PX documentation.

- Support for the following USB modems has been added:
    - Multi-Tech MultiModemGPRS
    - Option GlobeSurfer iCON

BotzWare 2.6 includes a number of new features and functional enhancements including:

- Support for InfraStruXure Central 3.0: This BotzWare release is specifically designed for use with InfraStruXure Central 3.0, the powerful new version of the NetBotz Central management platform from APC.
- Pod Sharing and External Storage are now standard features on the NetBotz 500: The Pod Sharing task and the External Storage task, previously available for use on on NetBotz 500 appliances which had the BotzWare Premium Software Module installed are now standard features of BotzWare 2.6.
- New NetBotz 420 feature: External Storage is now supported for use with NetBotz 420 devices.
- Surveillance capabilities enhanced: Appliances that are licensed for use with InfraStruXure Central Surveillance can now post to two servers (instead of one), enhancing users ability to plan for disaster recovery by locating servers with duplicate surveillance data in two separate locations.
- New wireless network adapter support: Added support for the Linksys 802.11b/g CF wireless network adapter.
- New USB modem support: Added support for the MultiTech MultiMobileUSB.
- New PC Card modem support: Added support for Sierra Wireless AirCard 860.

- New Digital I/O Sensor Support: Added support for Sealevel SeaI/O 462U and SeaI/O 463U digital I/O devices, enabling you connect and monitor up to 96 dry contact sensors from a single appliance without requiring you to purchase and deploy a large number of Sensor Pod 120s.

These new features complement the additional features and functionality that have been delivered in the recent BotzWare 2.1, BotzWare 2.1.1, 2.1.2, 2.1.3, 2.2, 2.2.1, 2.2.2, 2.3, 2.4, 2.4.1, 2.4.2, 2.5, 2.5.1, and 2.6 releases. These previously released features include:

- **BotzWare 2.6:**
  - Support for InfraStruXure Central 3.0: This BotzWare release is specifically designed for use with InfraStruXure Central 3.0, the powerful new version of the NetBotz Central management platform from APC.
  - Pod Sharing and External Storage are now standard features on the NetBotz 500: The Pod Sharing task and the External Storage task, previously available for use on NetBotz 500 appliances which had the BotzWare Premium Software Module installed are now standard features of BotzWare 2.6.
  - New NetBotz 420 feature: External Storage is now supported for use with NetBotz 420 devices.
  - Surveillance capabilities enhanced: Appliances that are licensed for use with InfraStruXure Central Surveillance can now post to two servers (instead of one), enhancing users ability to plan for disaster recovery by locating servers with duplicate surveillance data in two separate locations.
  - New wireless network adapter support: Added support for the Linksys 802.11b/g CF wireless network adapter.
  - New USB modem support: Added support for the MultiTech MultiMobileUSB.
  - New PC Card modem support: Added support for Sierra Wireless AirCard 860.
  - New Digital I/O Sensor Support: Added support for Sealevel SeaI/O 462U and SeaI/O 463U digital I/O devices, enabling you connect and monitor up to 96 dry contact sensors from a single appliance without requiring you to purchase and deploy a large number of Sensor Pod 120s.

- **BotzWare 2.5.1:**
  - New Two-Way Audio Support: When using the Camera View on a NetBotz 500 appliance that has the Premium Software Module installed, you can now use a microphone connected to your system to transmit audio to any Camera Pod connected to the remote appliance that has speakers. When used in conjunction with the previously available streaming audio functionality, this enables two-way audio communication between the appliance location and the Advanced View user.

  BotzWare 2.5.1 also corrected the following issues:

- NetBotz appliances will now correctly recognize APC 7900 Rack PDUs.
- Corrected a problem that would cause, during installation, the default "LaunchAnywhere" icon to be used for newly created Advanced View icon in the Control Panel > Add/Remove Programs task.
- When the user selects the Advanced View from the Add/Remove Programs task and then clicks Click Here for Support Information, the correct NetBotz Advanced View version is now displayed.
- Corrected a problem that could cause alert notifications that were being sent using FTP to be significantly delayed on the appliance before delivery, even when the appliance wasn't under heavy load. Users that rely on alert notification delivery via FTP should apply this update as soon as possible.

- **BotzWare 2.5:**
  - New Play Custom Audio Alert Action: Used in conjunction with the Custom Audio Alerts task, this new alert action enables your NetBotz appliance to play customized, user-specified audio alerts.
  - New Custom Audio Clips Configuration Task: Use this new task to upload custom audio clips to your NetBotz appliance, or to delete previously uploaded clips from the NetBotz appliance. Once uploaded, audio clips can be used with the new Play Custom Audio alert action.
  - New InfraStruXure Management Task: Use the InfraStruXure Management task to enable your NetBotz appliance to be discovered and managed by APC InfraStruXure Manager (ISX Manager) appliances. The settings available within this task enable ISX Manager appliances to automatically discover NetBotz appliances, to remotely manage NetBotz appliances, and to interpret NetBotz appliance alerts as they occur.
  - IPMI Devices Task Enhancements: The IPMI Devices task has been enhanced to enable users to specify the type of IPMI control buttons that are available when adding an IPMI device. Power switch, power cycle button, CPU reset button, and soft power off button functions are available. Note that these capabilities will only function on IPMI devices that support the specific IPMI control option.
  - SNMP Settings Enhancements: Support for SNMP v3 is now available.
    Sensor Readings Enhancements: Sensor Readings that are more than 6 months old can now be displayed.
    Additional Hardware Support: Added support for D-Link GigaExpress DGE-660TD and Sierra Wireless Aircard 775 cards.
  - Ability to Select Default Network Route: Appliances that have multiple network interfaces (appliances that have a wireless or gigabit Ethernet adapter installed, for example) installed can now specify which network interface will be the default route used.

- Multi-Selectable Sensor History Values: When selecting sensor history values in the Advanced View, you can now select multiple entries simultaneously.
- New Threshold Support Added on NetBotz 320s: NetBotz 320 appliances now support the Rate of Increase, Rate of Decrease, Alert State for Time, and State Mismatch alert threshold types. These thresholds were previously available only on NetBotz 420 and 500 appliances.
- Pre-Alert Picture Capture Support Added on NetBotz 320s: NetBotz 320s now support pre-alert picture captures. This functionality was previously available only on NetBotz 420 and 500 appliances.
- NetBotz 320 Maximum Alert Clip Size Increased to 4MB: NetBotz 320s can now support alert clips up to 4MB in size.
- Several models of APC UPSs, as well as UPS models by other manufacturers, can now be monitored using a USB-to-serial cable connection to the UPS's serial interface. APC models that are supported include the Back-Ups BE350U, BE500R, and BR800BLK; and the Smart-UPS SU700RM2U and SU1000RM2U.

- **BotzWare 2.4.2:**

  BotzWare 2.4.2 corrected a BotzWare 2.4.1 issue where expired SSL certificates or certificates that have mismatched hostnames caused an SSL Warning in the Advanced View. Otherwise, this release was functionally equivalent to the BotzWare 2.4.1 release.

- **BotzWare 2.4.1:**
  - Enhanced SeaLink PIO-48 Support: NetBotz 500 appliances now support connection of up to 4 SeaLink PIO-48 dry contact hub devices (increased from 2).
  - New CCTV Pod Configuration Options: CCTV Pod configuration settings now include settings specifically designed for use with black and white CCTV cameras.
  - MTU Settings Support: Added support for specifying MTU settings on Ethernet and 802.11 network interfaces.

  BotzWare 2.4.1 also corrected the following issues:

  - Corrected a problem where URLs that included custom HTTP port settings were missing the custom HTTP port when they were returned by the WebService APIs.
  - Corrected a problem where, on some 320/420 units, the RTS line from the serial port would oscillate and would potentially the Configuration Utility to fail.
  - Corrected a problem with sending wireless alerts whnere the appliance was unable to open the wireless key. This problem was caused by an API behavior change in gSOAP.

- Corrected a problem where the Device Crawlers process running on the appliance could lock up in certain situations, causing the Device Crawling process to cease.
- Corrected a problem in Device Crawlers where editing a previously configured entry could cause the Advanced View application to fail.

- **BotzWare 2.4 (released April 27, 2005):**
  - New Configuration Wizard: This configuration wizard, which runs automatically when the Advanced View is used to access the appliance after installation, guides the user through all the steps necessary to get their new appliance up and running.
  - New Map View: Appliances that have the BotzWare Premium Software Module 2.4 installed can now Display maps that have been configured for use with the appliance. The alert state of all devices shown on the Map View are indicated with simple color coding (red indicates that an alert state currently exists, while green indicates that no alert state is currently being reported by the sensor or device).
  - New IPMI Devices Task: Appliances that have the BotzWare Premium Software Module 2.4 installed can use the IPMI Devices to add network-attached, Intelligent Platform Management Interface-enabled devices to the list of devices that are monitored by your NetBotz appliance.
  - New Pod Sharing Capabilities: NetBotz 500 appliances that have the BotzWare Premium Software Module 2.4 installed can now connect with and receive data directly from devices integrated with or connected to NetBotz 320, 420 or 500s in your network. Once a pod has been shared with the NetBotz 500, it functions as though it were connected directly to the appliance.
  - NAS Support Added to External Storage Task: NetBotz 500 appliances that have the BotzWare Premium Software Module 2.4 installed can now use a network attached storage device (a Windows share or an NFS mount) for External Storage functionality.
  - Enhanced, Component-Level Logging: Appliance logging capabilities are now broken out into specific components and/or functions. By default, all components log at the level specified by the Global Level setting. However, you can also specify a unique login level setting for each component.
  - Include Maps and Graphs in Periodic Reports: Maps and Graphs can now be included in periodic e-mail, FTP, or HTTP reports generated by your appliance.
  - New Installation and Tutorial Videos: A variety of movies that you can use to learn about the installation and configuration process are now included on the NetBotz Installer CD-ROM.
  - Added support for Symbol Access Points: Includes open/shared key support. This feature has been verified to work with Orinoco and Aironet 350 wireless network adapters.

- Network Interfaces Task Includes Link Status for Wireless Access Points: The following status information can be observed in the Wireless Status tab of the Edit Network Interface pane for the wireless access point: Link Status, Link Quality, Like Rating, Link Speed, Link Frequency and WAP MAC.
- GSM Signal Quality: The SMS Configuration window now displays the GSM signal quality (Poor, Fair, Good, or Excellent) as well as the signal level (in dB).
- Added ability to disable camera video output.
- Added ability to launch the Advanced View, from a command line, at a targeted IP address/Host Name. Simply use "–s http://ipaddressorhostname" on the command line.
- Added new "Reboot Device" button for use with Output Control tasks.
- SNMP Traps can now be directed at user-specifed ports on the target.
- Added support for the Blazer PDA-based web browser.
- Enhanced web service APIs for e-mail and maps.
- Added support for the following USB 2.0 hubs:
  - D-Link DUB-H4 USB 2.0 4-port Hub
  - Belkin USB 2.0 4 Port Hub F5U224
- Graphs can now be saved as JPG or BMP files.

BotzWare 2.4 also corrected the following issues:

- When using SMS to communicate, appliances that encounter an e-mail delivery failure will automatically retry a second time.
- Dew Point and Temperature Thresholds can now be configured appropriately on appliances that are set to use French as their language.
- Second Generation GlobeTrotter GPRS Card now works correctly with NetBotz appliances.
- Alerts View: Units displayed in the Alert History are now consistent with the locale setting of the on the appliance.
- The Advanced View now synchronizes the 24-hr clock correctly if the client locale is customized to use a 24-hr clock.

- **BotzWare 2.3 (released November 17, 2004):**
  - New Configuration Wizard: This configuration wizard, which runs automatically when the Advanced View is used to access the appliance after installation, guides the user through all the steps necessary to get their new appliance up and running.
  - Camera Settings Enhancement — Interactive Mode Limit: Specifies the maximum image resolution that will be made available to users that are using the appliance interactively (such as viewing images from the Cameras View in the Advanced View). This can be used to limit the performance impact that can be caused by multiple clients with high image resolution settings accessing your appliances interactively.

- Advanced Device Crawlers Enhancement — Delete SNMP Sensors if Not Found: Allows the user to automatically remove previously defined SNMP-based sensors on a target when, after a successful scan, the sensors are found to no longer be present (no longer defined, unavailable, and so forth). If the sensors are not deleted, they will be displayed with sensor reading values of “N/A” or “null.”
- New Picture Export Formats feature for Send E-Mail and Send Data to FTP Server Alert Actions: Appliances that have the BotzWare Premium Software Module 2.3 installed can now send images captured by the appliance cameras as JPEGs, M-JPEG AVI Files, or Signed M-JPEG AVI files. M-JPEG AVI files are motion picture that can be played using standard media player software (such as Windows Media Player). Signed files provide proof that the generated images have not been tampered with or altered in any way, and are therefore more likely to be admissible as evidence in legal proceedings.
- Block Out Masking Functionality: Appliances that have the BotzWare Premium Software Module 2.3 installed can now configure cameras so that specified areas of the image cannot be seen. For example, an administrator could place a Block Out Mask over the area of the image that shows a monitor image, thereby preventing users from seeing the information that is shown on the monitor.
- New "Scan Now" Device Crawlers Functionality: Enables SNMP target in Device Crawlers to be scanned on demand.
- Additional NetBotz 320 Functionality: Camera Motion Sensor and Basic Device Crawlers are now supported by default on NetBotz 320 appliances.
- Save Audio from Alerts: Audio from alerts can now be saved in both WAV and OGG formats.

BotzWare 2.3 also corrected the following issues:

- The BotzWare enclosureStatus OID (1.3.6.1.4.1.5528.100.2.1.1.2 + Instance = NetBotz Enclosure Status) previously did not not return any values for NetBotz 500, 420, or 320 appliances. It now returns the following values: "Disconnected" and "Normal."
- The Serial Configuration utility no longer hangs when used to configure appliances running older (pre-2.2) versions of BotzWare.
- On Camera Pod 120s and CCTV Adapter Pods, the Report Unplugged Errors check box option no longer becomes grayed out if you've changed the Sensor Value History value.

- **BotzWare 2.2.2 (released October 15th, 2004):**
  - 4-20mA Sensor Pod Support: Support for the 4-20mA Sensor Pod, which enables you to connect up to four 4-20mA sensors to your NetBotz 420 or NetBotz 500 appliance.

- BotzWare now supports the use of 0-5V sensors, which can be connected to any external sensor port using a NetBotz 0-5V Sensor Cable. 4 external sensor ports are integrated with NetBotz 320 or 420 appliances, and are included on each Sensor Pod 120 as well.
- Added BotzWare Web Services Interfaces: The NetBotz BotzWare Web Services interfaces are intended to provide a set of common, programmer-friendly APIs to 3rd party product and solution developers, as well as end customers. For more information, see the BotzWare V2.x Web Services Specification PDF, included on your BotzWare CD and available from the NetBotz support web site.
- Call Web Services Alert Receiver (New Alert Action): A new alert action that is designed for use with the BotzWare Web Services Interface (see above).
- Added support for the SeaLINK PIO-48. When you connect a SeaLINK PIO-48 (available from Sealevel Systems) to a USB port on your NetBotz 500 or NetBotz 420 appliance, it provides 48 digital connections. This enables you to connect and monitor up to 48 dry contact sensors from a single appliance without requiring you to purchase and deploy a large number of Sensor Pod 120s.
- Added support for RAEWatch (new sensor type).
- New Simplified Basic View for Use with Supported PDAs: NetBotz appliances now support a simplified version of the Basic View that can be viewed using supported Personal Digital Assistants (PDAs). Supported PDAs include Palm Tungsten handhelds running Palm OS 5.2.1, HP iPAQ handhelds running Windows Mobile Pocket PC 2003 or Windows Mobile Pocket PC 2003, and Blackberry 6xxx & 7xxx Series Devices running 3.7 OS.
- Send Custom Text File to FTP Server (New Alert Action): Sends a customized text file with user-specified content to an FTP server. This alert action type enables you to use macros supported by BotzWare (including Appliance, Location, and Alert macros) to define the name of the directory on the server in which custom text files will be stored and the base filename that will be used for the text files.
- Advanced Device Crawlers has been enhanced to enable it to monitor NetBotz appliances running BotzWare 2.x.
- Additional Network Interface Settings: When configuring a network interface, you can now specify both the network speed and the duplex mode for the interface.
- Added Include XML-encoded Alert Parameter (xmlalert), a checkbox for the Custom HTTP Get action that appends the parameter xmlalert=<xml alert encoding> to the provided URL for the action. The encoded XML is the same as is generated by the HTTP POST code, but is url-encoded to enable those that can't easily handle “multi-part/form-data” encoded POSTS to get the XML for the alert.
- BotzWare OIDs Have Been Enhanced: A 1000x and a 1000000x column have been added a to the OtherNumericSensor table, enabling customers

to more easily gather RTT Ping data from devices that have a RTT Ping time of less than 1 second.
    - Enhanced Logging for E-mail Operation Failures: Added protocol debug logging for all SMTP protocol messages to all e-mail operations (alert, periodic reports, and test e-mail). Logging info appears at the INFO level.
    - SMS Alert Action macros now show Return To Normal information.

  BotzWare 2.2.2 also corrected the following issues:

    - Alert Levels are no longer included in return-to-normal e-mail notifications.
    - Opening the temperature threshold settings window when the operating system is configured to use the French (Switzerland) locale no longer hangs the system.
    - ${GPSLOC} macro no longer shows garbled text instead of a degree symbol.
- **BotzWare 2.2.1 (released June 29, 2004):**
    - Support for the new NetBotz 320 and NetBotz 420 appliances: These new appliances, available in both wall-mountable and rack-mountable form factors, provide all features currently available in 310/400 Series appliances, with the following additional features and capabilities:
        - Cameras support resolution up to 640 x 480 and frame rate up to 20 fps
        - Advanced Alert Customization
        - Onboard storage of alerts and sensor data for graphing – up to 12 hours
        - SSL-encrypted communications—interactive and alerts

      The NetBotz 420 also includes one USB port that enables the addition of one Camera Pod or CCTV Adapter Pod or up to four non-camera pods (Sensor Pod, Output Relay Pod, Power Control Pod). You can also enhance the NetBotz 420's networking capabilities by using its Compact Flash card slot to add an optional 802.11b WLAN or GSM/SMS wireless modem, or by connecting a USB modem to the USB port. BotzWare 2.2 and Advanced View 2.2 are used to manage all NetBotz 500, 420, and 320 appliances.

    - Limited-Function Edition of Advanced Device Crawlers: Your appliance, running BotzWare 2.2.1 or later, includes a special limited-function edition of Advanced Device Crawlers free-of-charge, extending your ability to monitor the operational status of a single SNMP target. Advanced Device Crawlers extends the capabilities of Basic Device Crawlers to provide far more detailed device-specific information and to enable OID-specific monitoring and alerting. By default, your appliance can use Advanced Device Crawler functionality on a single SNMP target. If you find this functionality useful, Advanced Device Crawlers license

keys are available from NetBotz and NetBotz-authorized resellers. A fully licensed version of Advanced Device Crawlers enables you to use the Advanced Device Crawler functionality on up to 48 SNMP targets.
    - Return-To-Normal Requires User Input Functionality: New function available for all sensor thresholds. When checked, if the threshold is exceeded the sensor will not report a Return-To-Normal state until a user with Administrator or Application (with Alert Update) privileges opens the resulting alert entry in the Alerts View and clicks the Mark Alert Resolved button. Thresholds that are configured to require user input before returning to normal do not automatically clear when the monitored value returns to acceptable or normal levels. Alerts generated when the threshold is exceeded will not report a Return-To-Normal state until a user with Administrator or Application (with Alert Update) privileges opens the resulting alert entry in the Alerts View and clicks the Mark Alert Resolved button.

- **BotzWare 2.2 (released May 25, 2004):**
    - Support for Navigation Pane Folders: Folders enable you to create virtual groups of pods and devices that can be used to simplify organization of your various pods and devices for management purposes.
    - Expanded Support for RAE Systems Devices: RAE Systems Sensors Option is a license key-enabled BotzWare enhancement that enables you to use a variety of RAE Systems toxic vapor and gas sensors with your appliances. BotzWare 2.2 support the use of MultiRAE Plus, ppbRAE, miniRAE, AreaRAE, and RAELink devices with your appliance.
    - Support for Remote RAE Client/Server Communications: This functionality enables you to aggregate the data reported by all of your appliance-connected RAE Systems devices into a single interface, and to set thresholds, monitor alerts, and graph data reported by the RAE Systems devices on Remote RAE Clients just like any other sensor connected to and supported by your appliance.
    - “Alerting Sensors” Added to Navigation Pane: Alerting Sensors is a new “virtual device” that appears in the Navigation Pane and that presents a dynamic overview of all currently alerting sensors as reported by the appliance as well as pods and other devices connected to the appliance.
    - Ability to Lock Selection in the Navigation Pane: This new functionality enables you to lock the Navigation Pane so that only a specific device is selected. Once the Navigation pane is locked, you will not be able to select any other devices from the Navigation pane until you unlock the pane, and the Advanced View will automatically start with the pane in the locked state.
    - Network Interface Sensors Added: New sensors that specify the link status of each network interface installed in your appliance are now available when the appliance is selected from the Navigation Pane.
- **BotzWare 2.1.3 (released May 5, 2004):**

    - NetBotz Wireless Receiver 120 and NetBotz THS-100 Wireless Temperature/Humidity Sensor Support: Support for NetBotz Wireless Receiver 120s and NetBotz THS-100 wireless temperature/humidity sensors.
    - Support for RAE Systems MultiRAE Plus: Enables the addition of a license key-enabled enhancement that permits use of RAE Systems MultiRAE Plus toxic vapor and gas sensors with your NetBotz 500. Designed as a "building block" system, the MultiRAE can be configured from a simple, inexpensive Oxygen/LEL monitor all the way to an affordable five gas monitor for total protection in toxic environments.
    - Send Custom HTTP GET Alert Action: New alert action that enables you deliver alert notifications as custom HTTP GET commands. The URL generated as a result of the alert action is completely user definable, and can include NetBotz macro values.
    - Support for Additional WiFi Bands, Wireless Network Adapters: In addition to supporting 802.11b WiFi communications, BotzWare 2.1.3 supports 802.11a and 802.11g. BotzWare 2.1.3 also includes support for the following additional multiband wireless network adapters:
        - D-Link Air Xpert DWL-AG650 Tri-Mode Dualband Wireless CardBus Adapter
        - Netgear WAG511 Dual Band Wireless PC Card (32-bit CardBus)
        - Cisco Aironet 802.11a/b/g Wireless CardBus Adapter
- **BotzWare 2.1.2 (released February 12, 2004):**
    - Output Control: New functionality that provides user interface and alert notification support for use with supported digital output devices such as the NetBotz Output Relay Pod 120 and NetBotz Power Control Pods.
    - Multiple Alert Profiles: Enhanced Alert Profile functionality now enables the creation of multiple unique Alert Profiles. This enables you to define distinctive notification or action responses for sensor thresholds.
- **BotzWare Version 2.1.1 (released December 5, 2003):**
    - Device Crawlers: New functionality that enables you to monitor the critical status information of up to 48 remote SNMP targets (such as servers, routers, and switches). If any operational difficulties are noted on a monitored target your NetBotz 500 can generate an alert notification, enabling you to quickly address the problem.
    - Support for Advanced Device Crawlers: Enables the addition of a license key-enabled enhancement to Device Crawlers that greatly extends your ability to monitor the operational status of your SNMP targets. Advanced Device Crawlers extends the capabilities of Basic Device Crawlers to provide far more detailed device-specific information and to enable OID-specific monitoring and alerting.
- **BotzWare Version 2.1 (released October 23, 2003):**
    - Serial Device Support: Provides an extensible framework for the management of serial devices. With this functionality, NetBotz 500s can detect and manage multiple serial-class devices (including supported modems, GPS devices, and various RS-232 and RS-485 attached devices).

Supported serial devices can be connected using the NetBotz 500 PC Card slot, directly to a USB port, or through a number of supported USB-to-Serial adapter cables.

- PPP Support: Provides support for point-to-point protocol network connectivity using supported wired or GSM/GPRS modems.
- SMS Messaging Support: When used in conjunction with a supported GSM/GPRS modem, an additional alert action is enabled that permits delivery of alert notifications as SMS messages.
- Support for NetBotz CCTV Adapter Pods: Designed for use with your NetBotz 500 base station and a single closed circuit television (CCTV) or other video source, the CCTV Adapter Pod accepts multi format S-Video and Composite Video and features DIN, BNC and RCA input jacks. This pod also features a USB port that enables the pod to be tethered to the base station using a standard USB cable. Using the CCTV Adapter Pod, your analog video source is digitally converted and integrated with the NetBotz physical security solution. Streaming audio (using the pod's integrated microphone or an external microphone connected to the pod) is also available.
- Support for NetBotz Particle Sensor PS100: The NetBotz Particle Sensor PS100 enables your NetBotz appliance to monitor a location for the presence or dust and other particulates larger than 1 micro meter.
- Support for BAE Systems ChemSentry: Enables the addition of a license key-enabled enhancement that permits use of BAE Systems ChemSentry Chemical Warfare Sensors with your NetBotz 500.ChemSentrys provide both exposure level (i.e. cumulative dose) and concentration (milligrams per cubic meter) readings for nerve, blister, blood, and interferent agents.
- Support for Supported NMEA-Compliant GPS Receivers: Enables your NetBotz 500 to report status and readings from supported GPS receivers. GPS receivers associate location information (such as latitude, longitude, altitude, and so forth) with alert data, which can be useful for mobile NetBotz applications.
- IP Filtering: Provides full support for IP-address based packet filtering, allowing for an additional level of protection against illegal access or denial-of-service attacks.
- Improved SSL Security: The SSL implementation used by the NetBotz 500 has been upgraded to OpenSSL 0.9.7c, providing support for 256-bit AES with RSA and SHA1 and 128-bit AES with RSA and SHA1.
- HTTP Compression: The NetBotz 500 Basic View and Advanced View interfaces now support HTTP compression, significantly reducing non-picture related traffic and improving interface performance when used over slower network interfaces (such as PPP or ISDN).

For more information about specific NetBotz appliances, select the desired model from list below:

- NetBotz 500

- NetBotz 420
- NetBotz 320

Back to Headlines.

Now Available: BotzWare 1.3.10

BotzWare 1.3.10 is a maintenance release designed to address changes in the scheduling of Daylight Savings Time in the United States. Beginning March 2007, the United States will extend its Daylight Saving Time (DST) in accordance with the Energy Policy Act of 2005. Under the new law, DST begins on the second Sunday in March and ends the first Sunday in November. This upgrade ensures that your 310/400 NetBotz appliances running will adjust for Daylight Savings Time correctly.

Note: This upgrade is designed for use with NetBotz 310/400 appliances. NetBotz 300x appliances are not supported.

Installing BotzWare 1.3.10

Unlike previous BotzWare 1.x upgrades, you must use an installer application to apply this upgrade to you appliance and to the systems that are running the Advanced View application. This is because the Advanced View used with appliances running BotzWare 1.3.10 requires a more recent version of the Java Runtime Environment than previous versions. To install the updated JRE and Advanced View applications:

1. Download the complete installer ZIP file from the APC NetBotz website.
2. Unzip the ZIP file to a temporary directory.
3. Double-click on install.exe to launch the installer program.
4. Follow the on-screen prompts to complete the installation process.

Once the installation is complete, launch the Advanced View and then use the Appliance Upgrade task to upgrade your appliance.

Notes:

- There is a known issue that occurs when upgrading appliance BotzWare code when using a system running Windows XP. For details please see "Upgrading Appliance BotzWare from Windows XP SP2 System May Fail," located below.
- Earlier releases of the Advanced View will not be able to monitor or manage appliances running BotzWare 1.3.10, so be sure to upgrade the Advanced View on any systems that will be accessing upgraded appliances.
- If you are running Windows XP you must disable the firewall restriction to allow the workstation to FTP to the appliance. To disable the firewall open the Control Panel dialog and select the Windows Firewall configuration icon. Under the

General settings tab select the Off radio button to allow the upgrade FTP operation to occur. Please consult your network administrator and/or company policy prior to disabling the firewall to confirm that this is an accepted action. Be sure to re-enable the Firewall once you have completed the appliance BotzWare upgrade.

To upgrade an appliance BotzWare code, launch the Advanced View and then click Settings>Appliance Upgrade to start the Appliance Upgrade task. Then, use the Appliance Upgrade task to upgrade your appliance BotzWare using an image obtained from the Internet or from a local upgrade directory.

- If your system has Internet connectivity the Latest Versions fields will report versions 1_3_91 and A1_3_91_201 for the BIOS and Application rows. To upgrade the appliance, simply click the Upgrade button.
- If your system does not have Internet connectivity, you can upgrade by clicking on Browse Locally for Upgrade Images. Next, navigate to the temporary directory to which you unzipped the contents of the installation CD Zip file, select the file named “master.release” under the Upgrade directory and click Open. Finally, click the Upgrade button to upgrade your appliance to BotzWare 1.3.10.

Known Issue: Upgrading Appliance BotzWare from Windows XP SP2 System May Fail

There is a known BotzWare upgrade issue that can occur on systems running Windows XP with Service Pack 2 that can cause the upgrade process to fail. This does not occur on all Windows XP platforms. If this problem occurs, a pop-up window will appear during the upgrade process notifying you of multiple I/O error messages, after which the upgrade will eventually abort after timing out. If the upgrade I/O error problems occurs, please allow the upgrade to timeout and the appliance to reboot. Note that this process can take 5 to 10 minutes.

To work around this problem you can either use a non-Windows XP system with the latest Advanced View or perform a manual FTP BotzWare code update on the appliance using the Windows XP system. You can perform a manual FTP upgrade using either of the following methods:

- Upgrade the code while monitoring the operation while connected to the appliances through the serial port <add HTML link>
- Upgrade the appliance code with a open FTP session <add HTML link>

For more information about specific NetBotz appliances, select the desired model from list below:

- NetBotz 310
- NetBotz 400

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Now Available: BotzWare Web Services Interfaces Toolkit

NetBotz is proud to announce the availability of the NetBotz Web Services Interface Toolkit. BotzWare Web Interfaces are intended to provide a set of common, programmer-friendly APIs to 3rd party product and solution developers, as well as end customers. For more information about the BotzWare Web Services interfaces and to obtain your own copy of the toolkit please go check the NetBotz Web Services Toolkit forum.

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Now Available: Output Relay Pod 120

NetBotz Output Relay Pod 120s, when used in conjunction with BotzWare 2.1.2's Output Control functionality, enable you to use your NetBotz 500 to turn a variety of devices on or off. Relay output actions can be executed manually through the Advanced View and Basic View interfaces, or can be configured as automatic alert actions in response to a threshold event. Up to 4 NetBotz Output Relay Pod 120s can be connected to the base station, enabling you to control up to 64 relay-based devices. Output Relay Pod 120s can be connected directly to the USB port using a standard USB extender cable, or connected to a powered USB hub that is connected to the USB port. The Output Relay Pod 120 is designed for use only with the NetBotz 500 and the NetBotz 420.

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Now Available: CCTV Adapter Pod

The CCTV Adapter Pod 120 is designed for the customer who wants to utilize CCTV cameras with the NetBotz physical threat monitoring system. This enables images from CCTV cameras to take advantage of NetBotz 500 capabilities such as motion sensing, alert image capture settings, and alert customization. The CCTV Adapter Pod provides images of up to 640x480 resolution, 24-bit color, and up to 30 frames per second (color and resolution may be limited by CCTV video source). The CCTV camera connects to either the BNC, RCA, or S-Video input connector on the pod; video source input can be NTSC, PAL, or SECAM format. The pod has a USB port to connect it to the NetBotz

500 base station, and also has external microphone, speaker, and door switch jacks. The CCTV Adapter Pod is designed for use only with the NetBotz 500 and the NetBotz 420.

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