NetBotz Integration Package for WhatsUp Professional 2006

WhatsUp Professional 2006 is a powerful network monitoring solution that provides network administrators with greater control and understanding of their networks. This integration package will enable WhatsUp Professional 2006 to automatically recognize NetBotz devices on your network and show them as custom icons on device maps. The NetBotz Integration Package for WhatsUp Professional 2006 also installs Active and Passive monitor services that enable WhatsUp Professional 2006 to gather data from the temperature, humidity, airflow, audio, door sensor and other supported dry contact sensors that are connected to or integrated with your NetBotz appliances.

System Requirements

To get the maximum functionality from the NetBotz WhatsUp Professional Integration Package, please ensure that your system meets the following qualifications before continuing:

- **Operating System:** Windows XP SP1 or later, Windows 2003 or Windows 2000 SP4.
- **WhatsUp Professional:** WhatsUp Professional 2006 installed (Note: System must be restarted after WhatsUp Professional 2006 installer closes to complete installation)..
- **Hardware Requirements:** A PC with 1GHz or better AMD/Intel processor and at least 512MB RAM

Installation

Important! Be sure to backup your WhatsUp Professional 2006 database before installing.

Installing NetBotz WhatsUp Professional 2006 integration is very simple. When you ordered the integration package you should have received an installation program file named nbwup_setup.exe. Using Windows Explorer or My Computer, navigate to the drive and directory where you have stored this file. Double-click on the program object to start the installation program. Then, follow the on-screen prompts to complete the installation. By default, all of the program files will be copied to C:\Program Files\NetBotz WhatsUp Professional 2006 Integration.

Note: If you need to cancel the installation, you can manually resume the installation later by running the SQL script NB_integration.sql. At the command prompt, type

osql –E –D WhatsUp –i NB_intergration.sql

and then press **Enter**.

WhatsUp Gold Users

If you have previously purchased and installed the NetBotz WhatsUp Gold integration package on WhatsUp Gold, you may have also applied WhatsUp Professional's Data Migration Tools to import these previously installed services. The NetBotz Integration Package for WhatsUp Professional will first remove these definition and services (Active and Passive Monitors), and then install the new services (which include the active and passive monitors and also provide more service definitions.

Uninstalling

To uninstall NetBotz WhatsUp Professional 2006 integration, click **Start > Settings > Control Panel**, select **Add or Remove Programs**, select **NetBotz WhatsUp Professional integration** from the list of installed programs, and then click **Remove**.

Integration Functionality

WhatsUp Professional uses a relational database to store information about the devices on your network. After you have run the NetBotz WhatsUp Professional 2006 Integration installation program, the database will be updated to include NetBotz devices and monitors. The following additional functionality will be available from your WhatsUp Professional 2006 console:

1. Device Menu

- SNMP-enabled NetBotz appliances installed on your network will be automatically discovered and displayed in the Network Map view. Current appliance status will be shown in the Network Device and Map view.
- Once a NetBotz appliance appears in your Network Map view, you can configure the appliance by right-clicking on it and then selecting **Properties** from the pop-up menu.
- You can launch the NetBotz Basic View in a web browser by right-clicking on a NetBotz appliance icon and then selecting **NetBotz Basic View**.
- You can "ping" the NetBotz device from the Map View by right-clicking on the appliance icon and then selecting **Ping.**

2. Action Policy

An action policy called "NetBotz action policy" is added once the installation is finished. By default, no actions are enabled under this policy. However, you can add any available actions as desired. By default, all the NetBotz devices in the map view are associated with the NetBotz action policy.

3. Active Monitor

The following additional SNMP based active monitors are added to “Active Monitor Library” and are associated with the appropriate devices after they are discovered by “SNMP scan”:

- **NetBotz DewPoint** with “Range of Value” of “Check Type”. The DewPoint value measured by sensor in degrees Celsius. The default value range is -2.0 to 18.
- **NetBotz Humidity** with “Range of Value” of “Check Type”. The default value range is set to 20 to 50.
- **NetBotz Temperature** with “Range of Value” of “Check Type”. Values represented as integer representing degrees Fahrenheit or Celsius. The default value range is set to 68 to 86 with Fahrenheit (the OID for this unit is 1.3.6.1.4.1.5528.100.4.1.1.1.8). If you want to configure it to measure with Celsius, the OID is 1.3.6.1.4.1.5528.100.4.1.1.1.9. Method used to report temperature values is configured on the NetBotz appliance.

The following “Active Monitors” are added to “Active Monitor Library” but they **are not** associated with the devices by default.

- **NetBotz AirFlow** with “Range of Values” of “Check Type”. The airflow measured by the sensor in **meters** per minutes, displayed as an integer, and the default value range is 0 to 0. These values can be reconfigured as desired using the WUP range check field.

  Note: If your sensor reading unit is configured to *English*, be sure to covert them to *metric* units before you enter any values in the WUP range value check field. For example, if the Airflow value is measured as “feet” on your NetBotz Advanced View, and you want to set the range to 0-11 ft/min you will need to set the values to “0 to 3” in WUP (the approximate equivalent value range in meters/minute).
- **NetBotz Audio** with “Range of Values” of “Check Type”. The audio reading is displayed as an integer. The default range is 0 to 0. These values can be reconfigured as desired using the WUP range check field.
- **NetBotz Camera Motion** with “Constant Value” of “Check Type”. The Constant Value is “No Motion”.
- **NetBotz Door Switch** with “Constant Value” of “Check Type”. The constant value is “Closed”.

  Note: if a Door Switch is not connected to your appliance the reading for this sensor should be be shown as “NULL” because it does not match the pre-defined value “Closed. ” The monitor should be reported as “Down”.
- **Numeric sensor detector** plugged into the external ports of the appliance or external pod. The Numeric Sensors include: **Amps, Humidity, temperature, DewPoint and Particle.**

- **State sensors with NC and NO** plugged into the external ports of the appliance or external pod. State Sensors include: **Condensation Sensor, Glass Break Sensor, Motion Sensor, Vibration Sensor and Water Sensor.**
- **External Door Sensor** plugged into the external ports of the appliance or external pod.
- **Fluid Detector**: plugged into the external ports of the appliance or external pod.

You may choose the monitors from the active monitor library which you are interested in and add them to the specific devices. Be sure to associate SNMP v1 monitors only with SNMP v1 devices and SNMP v2 monitors only with SNMP v2 devices.

Be sure to select the correct monitor for the corresponding NetBotz appliance port to which it is connected. For example, if you have an Amp Detector plugged into External Sensor Port 3 on a NetBotz 420 and you want this monitor to be included in your device's active monitor you should right-click the NetBotz 420 in the Map/Device View, choose Properties->Active Monitors->Add, and then select NetBotz V2 Amp Detector->Ext3 from the **What type of Active Monitor would you like to add to this device** drop-down menu. If, however, you have the Amp Detector plugged into External Port 3 of a NetBotz Sensor Pod 120 that is connected to a NetBotz 500 you would instead right-click the NetBotz 500 in the Map/Device View, choose Properties->Active Monitors->Add, and then select NetBotz V2 Amp Detector->Ext Pod->Ext3.

These Active Monitors enable WhatsUp Professional to monitor the NetBotz appliances that are installed in your network. Note that changing these Monitor settings does not change the sensor values that are assigned and stored on the individual NetBotz appliances or alter the settings at which NetBotz appliances generate alert notifications. Use the NetBotz Advanced View to make changes to the sensor threshold values for an individual appliance.

4. Passive Monitor

All the trap definitions from netbotz.mib and netbotzv2.mib are imported to the passive monitor library during integration package installation. You can add any desired traps from this library to the device's "passive monitors". The following SNMP passive monitors are associated with the appropriate devices by default after the SNMP scan is finished:

SNMP v1 traps:

- NetBotz-prt-bot-humidity-high-trap
- NetBotz-prt-bot-humidity-low-traps
- NetBotz-prt-bot-humidity-trap-clear
- NetBotz-prt-bot-temperature-high-trap

- NetBotz-prt-bot-temperature-low-trap
- NetBotz-prt-bot-temperature-trap-clear
- NetBotz-prt-bot-airflow-low-trap
- NetBotz-prt-bot-airflow-trap-clear
- NetBotz-prt-bot-camera-motion-trap-clear
- NetBotz-prt-bot-camera-motion-trap-tripped
- NetBotz-prt-bot-door-trap-clear
- NetBotz-prt-bot-door-trap-tripped

SNMP v2 traps:

- netBotzV2CameraMotionSensorTraps
- netBotzV2DewPointSensorTraps
- netBotzV2DoorSensorTraps
- netBotzV2HumiditySensorTraps
- netBotzV2TempSensorTraps

If you want to receive traps from the devices, make sure you turn on the SNMP listener on port *x* (for example 162). Select Passive Monitor Listeners from the WhatsUp Professional>Program Options pull-down menu and then check the **Listen for messages on port *x*** checkbox. You should also configure your NetBotz appliances to forward traps to the system that is running WhatsUp Professional, make sure you set up same port number with WUP.

Note: Be sure to only send and receive the traps that are absolutely necessary. WhatsUp Professional ships with a copy of MSDE (SQL) server for use as a database. By design MSDE can hold only 2GB of data. If you have many devices and these devices emit large numbers of traps over the course of a day it is possible to use up the 2GB of space quickly. Once the database is “full” it will not function properly. You may want to uncheck “"'Accept unsolicited SNMP Traps" once you have tested it.