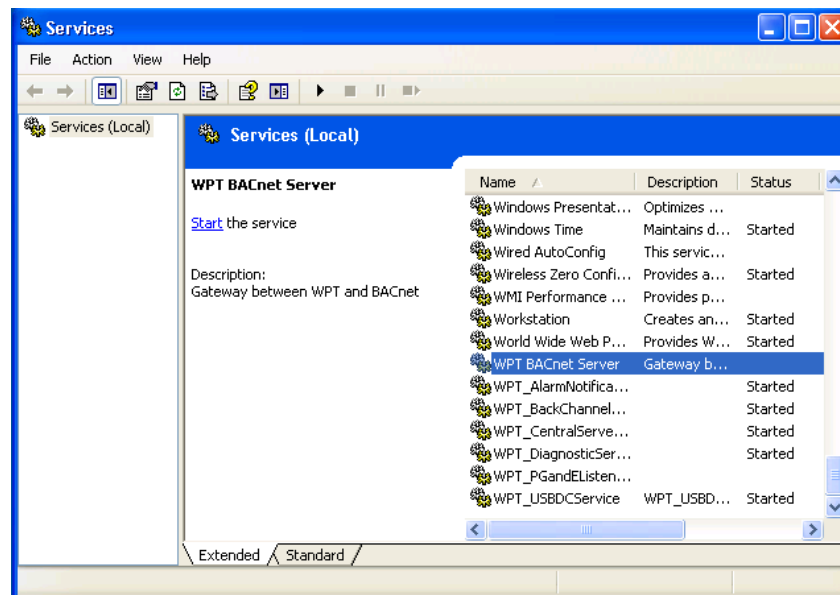


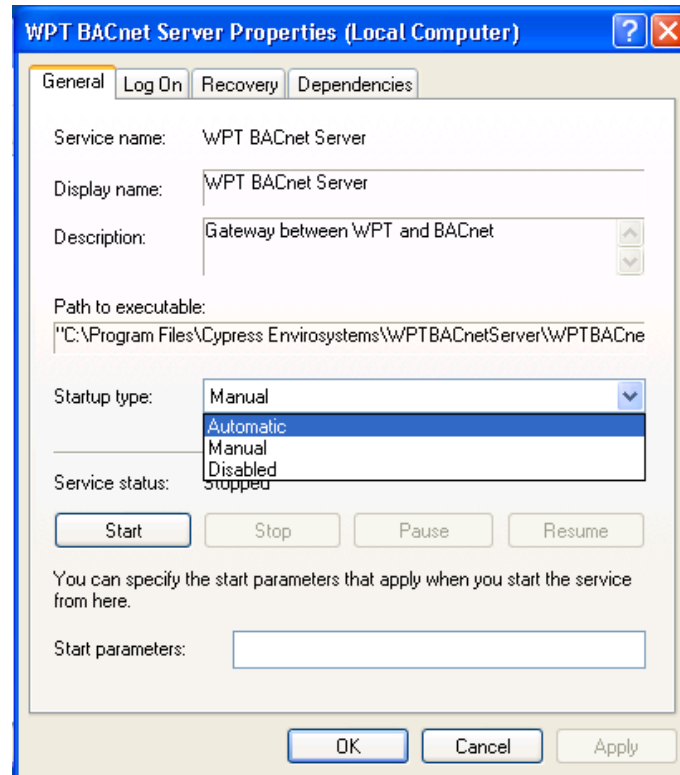
1 Using the WPT BACnet Server

1.1 Turning on the BACnet Server

In the case that the BACnet server in a WPT Green Box may have been turned off, to enable the BACnet server, connect to the Green Box using Remote Desktop or via a monitor, keyboard and mouse. On the Green Box desktop, locate the icon labeled “Services” and double click. Scroll down to and select “WPT BACnet Server”.



Right click on “WPT BACnet Server” and select “Properties”. Change the “Startup Type” from “Manual” to “Automatic” and then click the “Start” button. This will start up the WPT BACnet server and it will automatically start back up after a reboot of the Green Box.



1.2 Configuring Multiple BACnet Servers on the Same Network

Multiple BACnet servers on the same network require unique “Virtual Network Numbers”. By default, all WPT Green Boxes will use the last octet of the IP address. If desired, the virtual address can be changed on the server as noted below. Numbers between 1-1000 are valid.

Zone Monitor	Setup	User Administration	Alarm
Hub	Repeater	Node	Node Group
		View Site Configuration	

Display Temperature	°F	Update
BACnet Virtual Network ID	119	Update

1.3 Device reliability

Each device object supports a reliability property. The reliability property can be used to determine if a device is actively reporting to the network. Normally the value for reliability will be 0. In the case where the device has not communicated with the server for more than ~45 minutes, the reliability value will be set to 12 indicating a "communication failure".

1.4 Commissioning devices on Tridium Clients

When commissioning devices on a Tridium client, it is important to have the temperature units for the Current Temperature object set correctly on the WPT server prior to commissioning. Changing the temperature units after devices have been commissioned will cause the Tridium units to be out of sync with the value being displayed. Tridium clients will use the temperature unit that was detected during commissioning even if changes are made later on the WPT server.

2 Protocol Implementation Conformance Statement

The Cypress EnviroSystems document 910-00008-01 provides the PICS data which enables installers/system administrators to integrate the WPT with an existing BMS via BACnet.

3 Troubleshooting

Problem	Possible Solution
Changes to names and/or BACnet IDs on the web console are not reflected on the BACnet client.	On the Green Box, find and stop the WPT BACnet Server service from Windows Services. Navigate to "C:\Program Files\Cypress EnviroSystems\WPTBACnetServer" and delete the file labeled "bacnet_objects". Now start the WPT BACnet Server service from the Windows Service Console
The BACnet Server does not automatically start-up when the Green Box reboots	Follow the steps for "Using the WPT BACnet Server" in section 1
There are multiple Green Boxes installed with BACnet on the same network, but only one of them is visible on the BACnet client	Verify that each server has a unique virtual address as noted in section 1.2