PurpleSwift Software cc
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BACnet P2 – Install instructions on Ubuntu OS. NOT DONE.

Installing of the BACnet P2 Driver, come as an Ubuntu package that needs to be installed in the Ubuntu operating system. The latest package name from PurpleSwift; pkg_bacnet_p2-1.0.0.7.deb. Copy the Ubuntu package to the Home directory either using an USB flash drive or SSH file transfer.
To install, navigate to the location of the package and type in the following in the command prompted. “sudo dpkg -i pkg_bacnet_p2.deb”. The p2 driver will install and immediately start running as a service.
To locate the BACnet p2 driver on the network send a “who-is” command with any BACnet explorer program to explore the network. P2 driver will appear as device address 2600000 as the device name on the network.

Scrips can be used to start, stop and show the status of the P2 Driver.

The following command will show the status of the P2 Driver: sudo systemctl status bacnet_p2
To Stop the P2 Driver the following command can be used: sudo systemctl stop bacnet_p2
To Start the P2 Driver the following command can be used: sudo systemctl start bacnet_p2

Setting the Date and Time if installing on a remote network without an internet connection. Due to the BACnet protocol the date and time of the devices on the BACnet network including the P2 Driver will need the same date and time of about 30min -+ to operate correctly.

Troubleshooting of the installation process:

Troubleshooting with the P2 Driver:

Problem	Fault	Solution
RS-485 Mode:		
Host not reading Device data	Dropping connection / packets / freezing USB port.	Some USB to RS-485 adapters can have connection issues and that can lead to dropped of packets and hanging of the USB port. If any of these do accurate on the RS-485 network. Try reconfiguring the USB/RS-485 adaptor to the following settings. If the problem persists using a different adapter is recommended
Not detecting a device on a one BLN/Panel network	A BLN network with only one MEC/Device Use two devices on a network or set the BAUD rate.	In AUTO BAUD rate mode the P2Driver will listen to the BLN network for traffic, there is no traffic on the network if there is only one device on the network. By setting the Baud rate the P2 Driver will communicate on the RS-485 network.
Not detecting a device on a Multi Device network	P2 Driver not reading network BLN traffic. No lights Rx lights on USB/RS485 with BLN traffic active	USB device port cannot be open, this happens when the USB adaptor is plugged in and out while the Server is running. Make sure the USB adaptor is plugged in and then turn OFF and then ON the power to the pc running the P2Driver.
Ethernet connection:		
Not connecting to Panels/PBX on a network	Licensing is not active.	
	System is disabled	
	Devices time and date mismatching with host.	All devices on the BACnet Network must have the same date displayed as the host device. The P2 Driver will cope with inaccurate time due to drifting of all devices real time on the network. It is recommend to set of all Devises time to the nearest minute of the P2 driver host OS.
Not all Devices are read and displayed	Missing devices on network	The P2driver can be cold-started by sending a BACnet command, at point . This will clear the device lists and the p2Driver will begin a rescan of the Ethernet or RS-485 network for devices. Write to the following point ‘Execute command’ with ‘coldstart ’. This will cold start the P2Driver
Not all Points are read at first time	Missing points in devices on network	If a point is missing under the device points list. By executing the following command in which will

boot		remap followed by the address of the panel to remap,eg ‘remap 17’. This will remap sayed panel.
Changed device points with P2Driver not seeing changes.	Not displaying new or changed points after initial start commissioning cycle.	The P2Driver does not support the change in points/device names after the first commissioning scan on cold start This can be resolved by executing the following command to the P2Driver, which will remap a device on the network. Write to the following point ‘Execute command’ with ‘remap XX’ with XX being the address of the panel to remap. Eg.‘remap 17’.