KE2EM BACnet Product Technical Notes
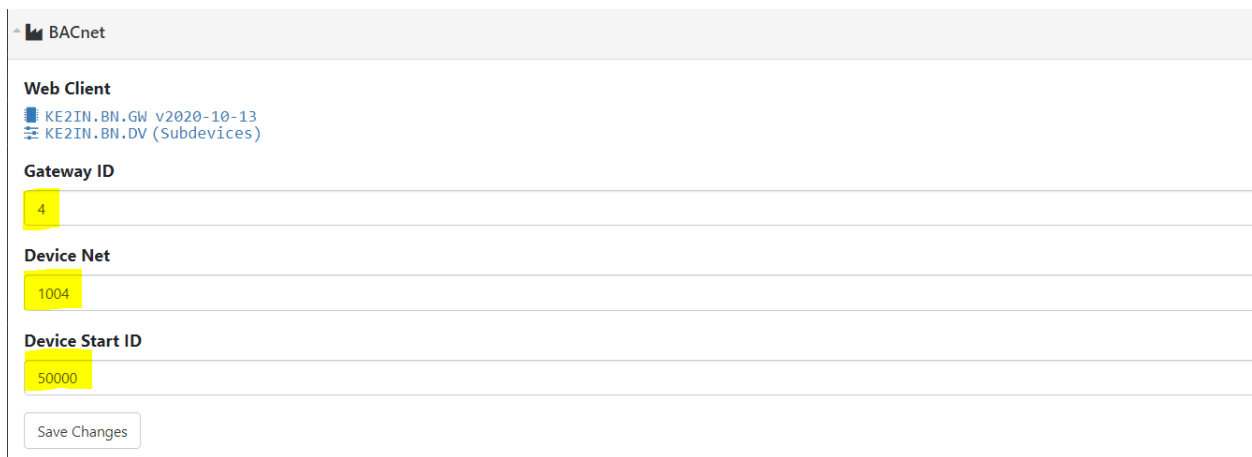
JCI MetaSys v9 with KE2 EM integration

For JCI MetaSys v9 (or possibly any other JCI version), the following changes must be made prior to the "Discovery process" for BACnet Services to work as expected.

The KE2 EM's default values must be altered for the JCI MetaSys product to see our devices properly. Currently, the default configuration is known to work as expected, without modification on other comparable BMS/EMS platforms. These values should not need to be altered in normal circumstances however can be as needed or directed by KE2 Technical Support.

Step 1:

Login into the Edge Manager Management Console, scroll down and configure the BACnet properties. The values below have been modified, however note, the default values are ok too.
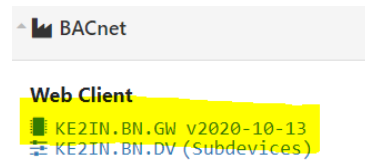

Step 2:

In the device list above, you need to Publish the device(s) to BACnet by selecting the Industrial building icon on each device. The icon will turn dark black when Published properly.

SR – 3/26/21 – Confirmed working with JCI

Step 3:
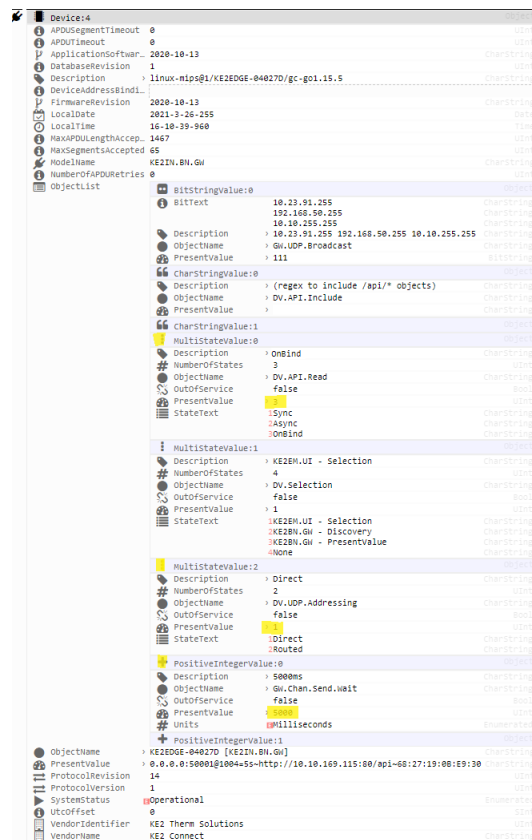
Scroll down and select the KE2IN.BN.GW link to open the KE2 BACnet Gateway configuration tool.

Step 4:

Navigate to ObjectList and make the following changes:

1) Change PositiveIntegerValue from 500 to 5000 (This may/may not be required in future installs)
2) Change MultiStateValue 2 from Routed to Direct
3) Change MultiStateValue 0 from Sync to OnBind

Step 5:

The Published KE2 BACnet devices should now be available to the JCI MetaSys BMS. At this stage the JCI MetaSys engineer will need to "Discover" the devices and add them to their system. Once confirmed, all objects have been recognized and delivered as expected, proceed to the next step.

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Step 6:

Final Change… Change MultiStateValue from OnBind back to Sync

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