

# Igor® BACnet Service 1.1.0 Installation Guide

## Installation Steps:

1. File Prereqs:
  - a. Service Installer: Igor BACnet Service Setup Full-1.1.0.exe
  - b. Registration Utility: Igor.Bacnet.Registration.exe
2. Installation Steps:
  - a. Install Igor BACnet Service on Igor Gateway PC (or other PC with network access to Gateway)
  - b. Launch Igor BACnet Registration utility and license the installation:
    - i. SCADA Engine Login Required
    - ii. Follow steps shown in utility
  - c. Assign API key to BACnet service:
    - i. Create new API key labeled “Igor BACnet Service” via Gateway UI -> System -> Settings -> Connectivity
  - d. Configure BACnet Parameters:
    - i. Open the following file with a text editor: C:\Program Files (x86)\Igor, Inc\Igor BACnet Service\appsettings.json
    - ii. Edit parameters as follows:
      1. api-address:
        - a. Use <http://localhost> if BACnet service is installed on Gateway
        - b. Use <http://<Gateway IP Address>> if BACnet service is not installed on Gateway
      2. api-key:
        - a. Copy key from Gateway Connectivity page
      3. webhostport: ?
        - a. Default: 5000
      4. bacnet-localDeviceId:
        - a. Set to 4194303 so that the SCADA Engine API Device doesn't respond to Whols requests
      5. bacnet-localNetworkNumber:
        - a. Not used

6. Bacnet-localPortNumber:
  - a. Network port the Igor BACnet service uses for BACnet/IP communication
  - b. Default: 47808
7. Bacnet-virtualnetworkNumber:
  - a. Network # used for Igor Space devices
8. Bacnet-deviceIdOffset:
  - a. Offset from 0 where the Igor Space Device Id's will start. Ex:
    - i. deviceIdOffset = 5000
    - ii. Space 1 Device Id = 5000

Example Config:

```
{  
  "igor:api-address": "http://localhost",  
  "igor:api-key": "12d4ed850d4a48cd96a7433a667c3d19",  
  "igor:webhostport": 5000,  
  "igor:bacnet-localDeviceId": 13,  
  "igor:bacnet-localNetworkNumber": 9,  
  "igor:bacnet-localPortNumber": 47809,  
  "igor:bacnet-virtualNetworkNumber": 11,  
  "igor:bacnet-deviceIdOffset": 5000,  
}
```