



## BACnet Interface for *i.LON*<sup>®</sup> SmartServer BSSS01 - Fundamental Operating Principles

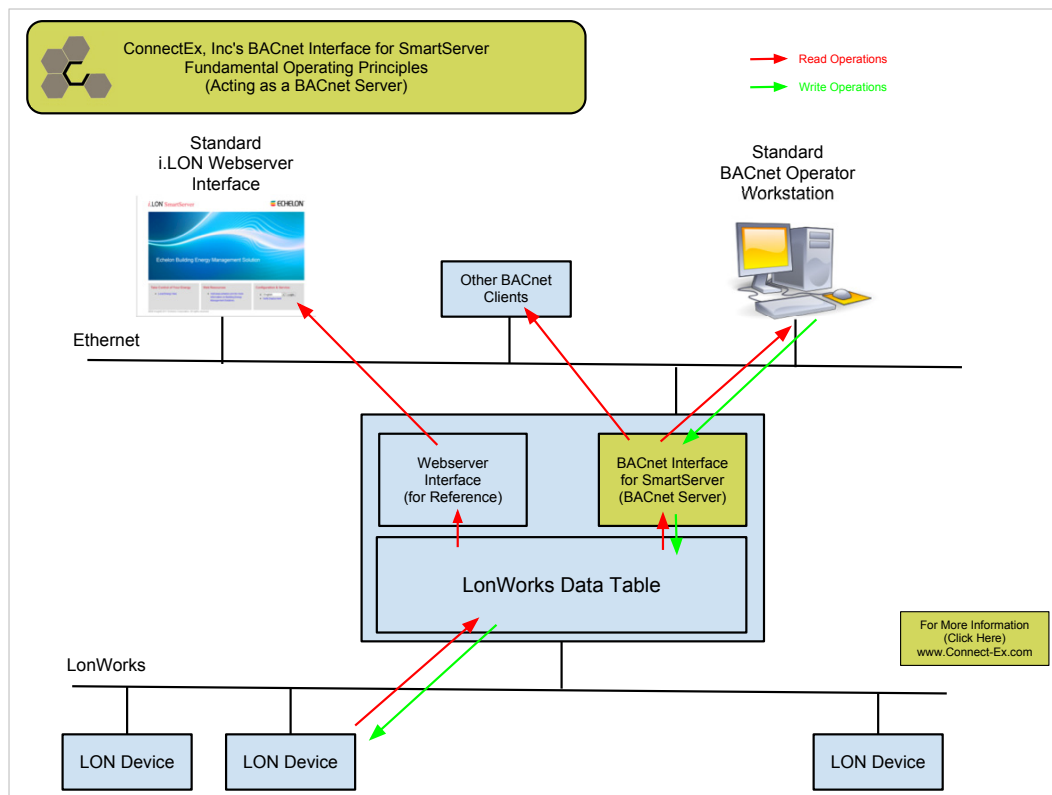
The current released version of the BACnet Interface for SmartServer, BSSS01, acts as a BACnet Server.

BACnet Clients, such as BACnet Operator Workstations, can read and write BACnet variables to the SmartServer. (Some other BACnet client devices, like controllers, will also be able to read and write BACnet variables to the SmartServer.)

Internally, the BACnet Interface reads and writes to LON "Data Points" just like the SmartServer's own webservice interface, and the standard LonWorks read/write methodology out to the other LON devices is not altered or affected in any way.

For example, a room temperature that is read from a LonWorks controller by the SmartServer into the SmartServer's Data Point table using standard LON messages, can then be read by a BACnet Client such as any standard BACnet Operator Workstation (OWS).

Then, if an operator changes the setpoint on the Workstation, this will result in a BACnet write to the SmartServer, and the BACnet interface inside the SmartServer will write the new setpoint to the LonWorks Data Point, which will result in a LON write to the LonWorks controller.



*BACnet Client capability is under development, anticipated release 2Q2013, and will allow SmartServers to actively go and fetch BACnet points from other BACnet devices.*



# ConnectEx, Inc's BACnet Interface for SmartServer Fundamental Operating Principles (Acting as a BACnet Server)

→ Read Operations

→ Write Operations

## Standard i.LON Webserver Interface

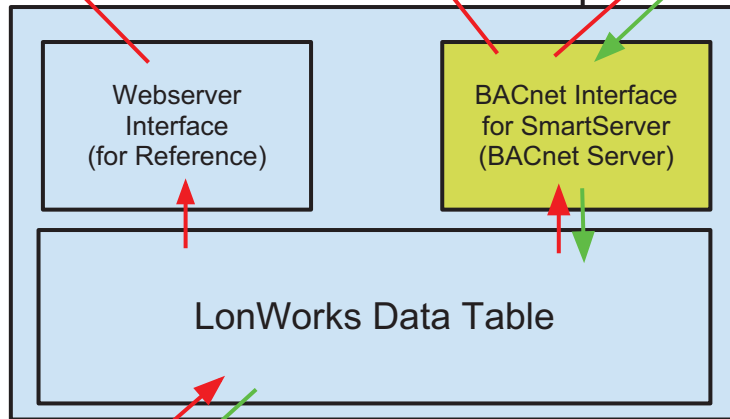


## Standard BACnet Operator Workstation



Other BACnet  
Clients

Ethernet



LonWorks

LON Device

LON Device

LON Device

For More Information  
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[www.Connect-Ex.com](http://www.Connect-Ex.com)