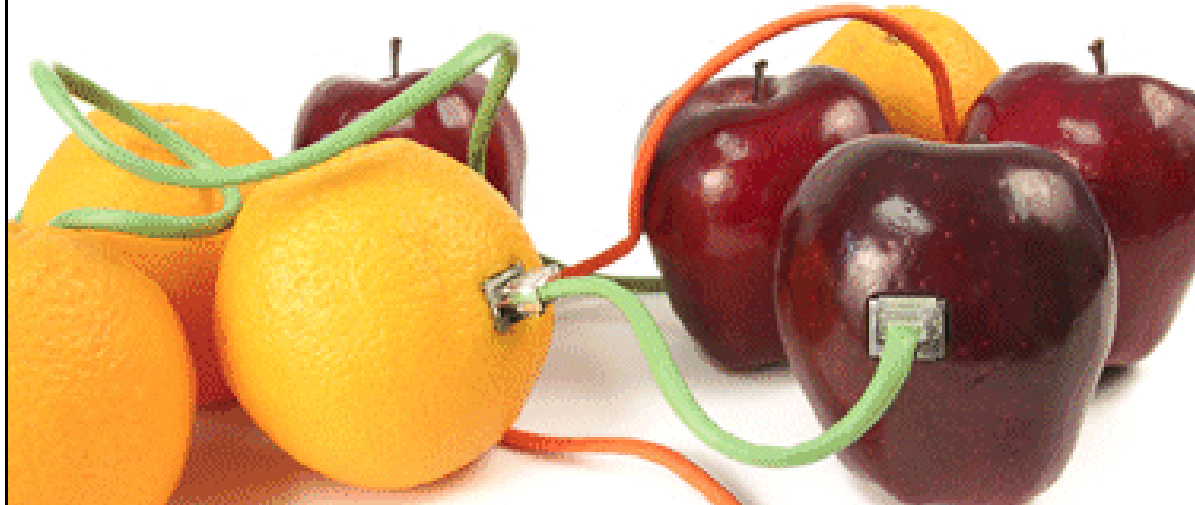


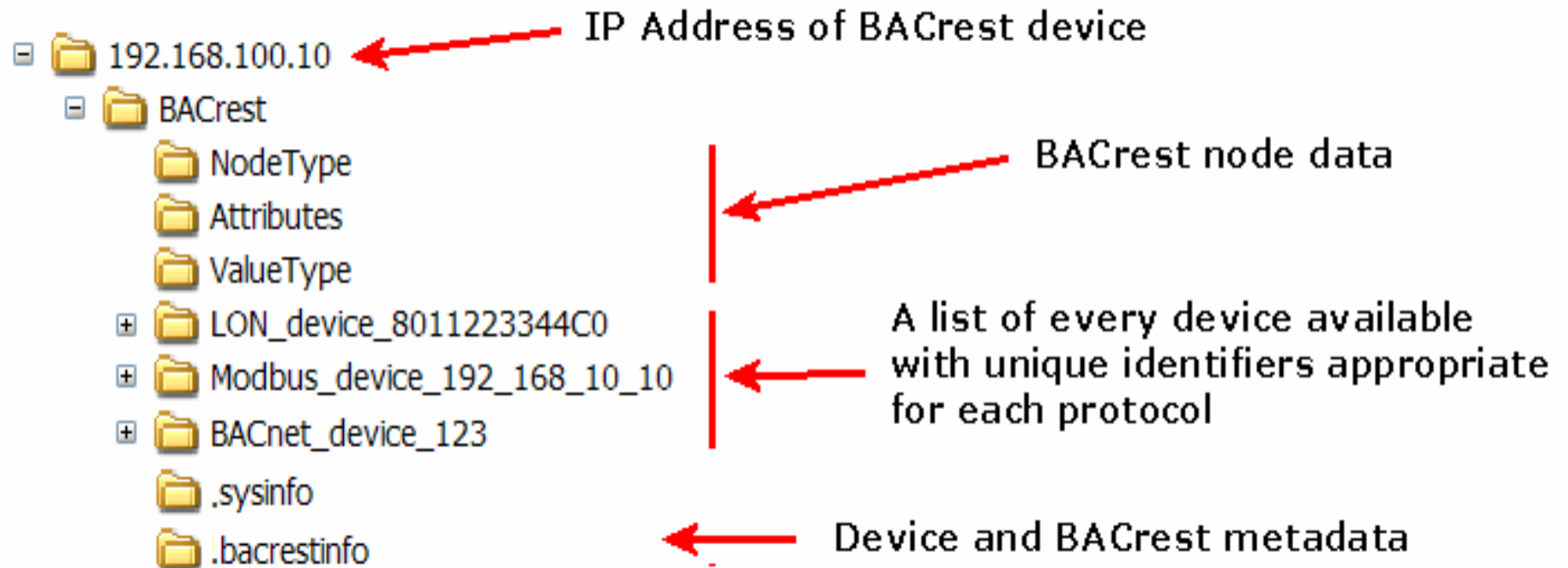
Connecting **Apples** to **Oranges**
just got a whole lot easier!



Bob Ofenstein
V.P. Products Group
Cimetrics Inc.

- read and write commands are **simple URL's**
- XML or HTML data return
- unlimited scalability
- communications is fully "IT friendly"
- machine to machine compatible
- maps to ANY device-centric protocol
- optional free form text labels
- data access is fully defined (acts as a firewall)

BACrest Tree



Example: <http://192.168.100.10/BACrest/.sysinfo>

Reading

http://10.1.68.2/BACrest/BACnet_device_14/binary-input_1/Value

Writing

http://10.1.68.2/BACrest/BACnet_device_14/binary-input_1/Value/72

XML return



```
<?xml version="1.0" ?>
- <BACrest:GetValue xmlns:BACrest="urn:BACrestService">
  <BACrest:NodePath>http://192.168.0.22/BACrest/BACnet_device_1369026/binar
  <BACrest:AttributeName>Value</BACrest:AttributeName>
  <BACrest:return>Open</BACrest:return>
</BACrest:GetValue>
```

HTML return



Cimetrics BACrest HTML Example page

BACrest command

http://192.168.0.22/BACrest/BACnet_device_1369026/binary-output_1/Value

Node Path

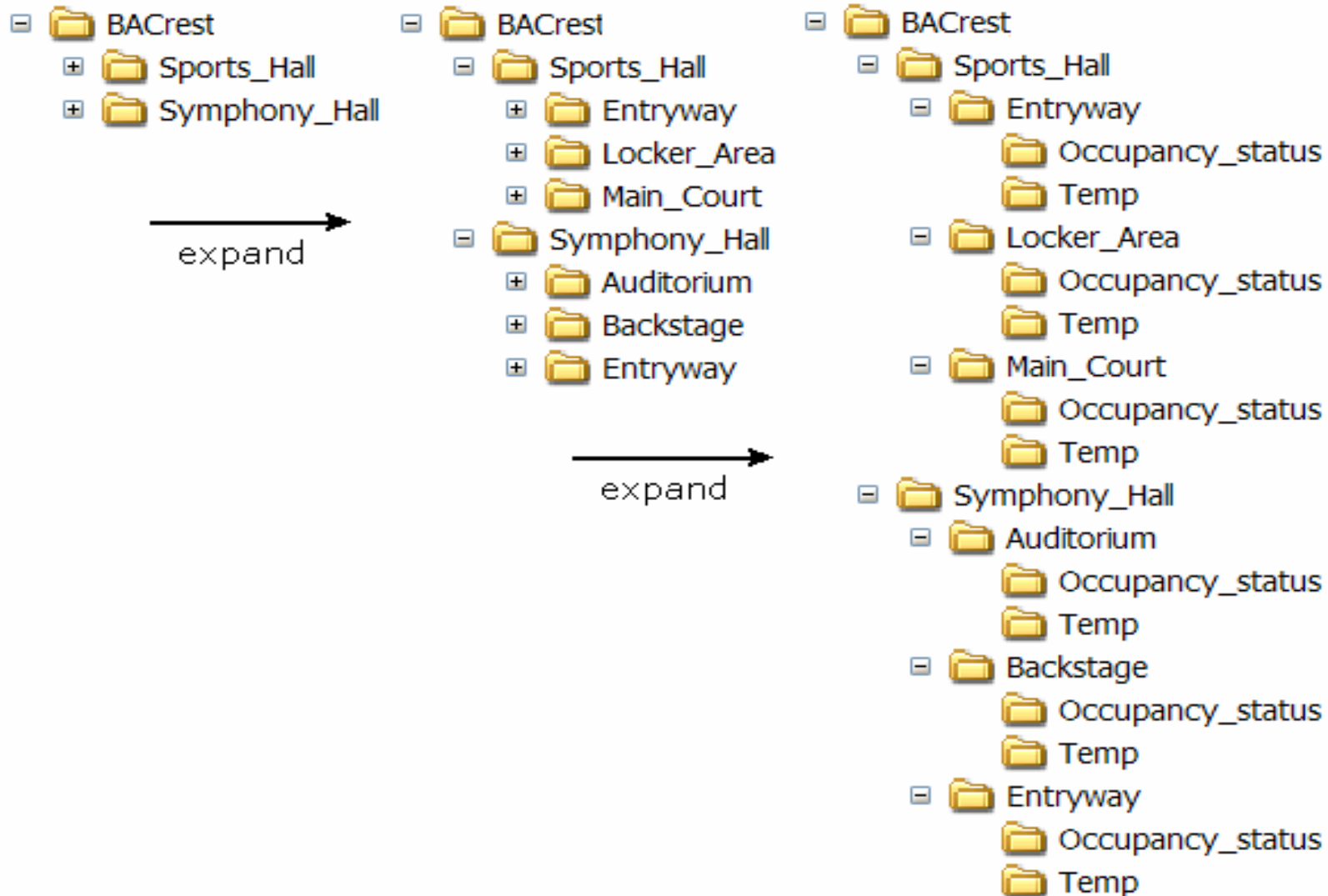
http://192.168.0.22/BACrest/BACnet_device_1369026/binary-output_1

Attribute name

[Value](#)

Return value

[Open](#)



READ Examples

http://10.1.68.2/BACrest/Sports_Hall/Entryway/Temp

http://10.1.68.2/BACrest/Symphony_Hall/Backstage/Occupancy_status

http://10.1.68.2/BACrest/Symphony_Hall/Auditorium/Temp

WRITE Examples

http://10.1.68.2/BACrest/Sports_Hall/Entryway/Temp/Value/70

http://10.1.68.2/BACrest/Symphony_Hall/Auditorium/Temp/Value/72

Reading a sensor

http://10.1.68.2/BACrest/BACnet_device_14/binary-input_1

http://10.1.68.2/BACrest/BACnet_device_14/binary-input_1/Value

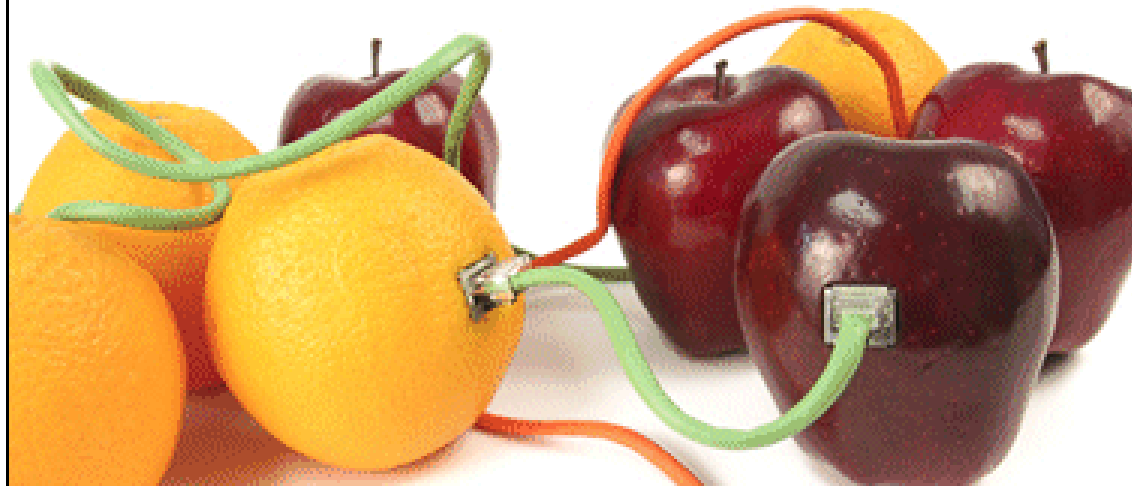
http://10.1.68.2/BACrest/BACnet_device_14/binary-input_1@username:password

http://10.1.68.2/BACrest/Occupancy_sensor_1

http://10.1.68.2/BACrest/ABC_Building/Room_22/Occupancy_sensor_1

1

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BACrest demo