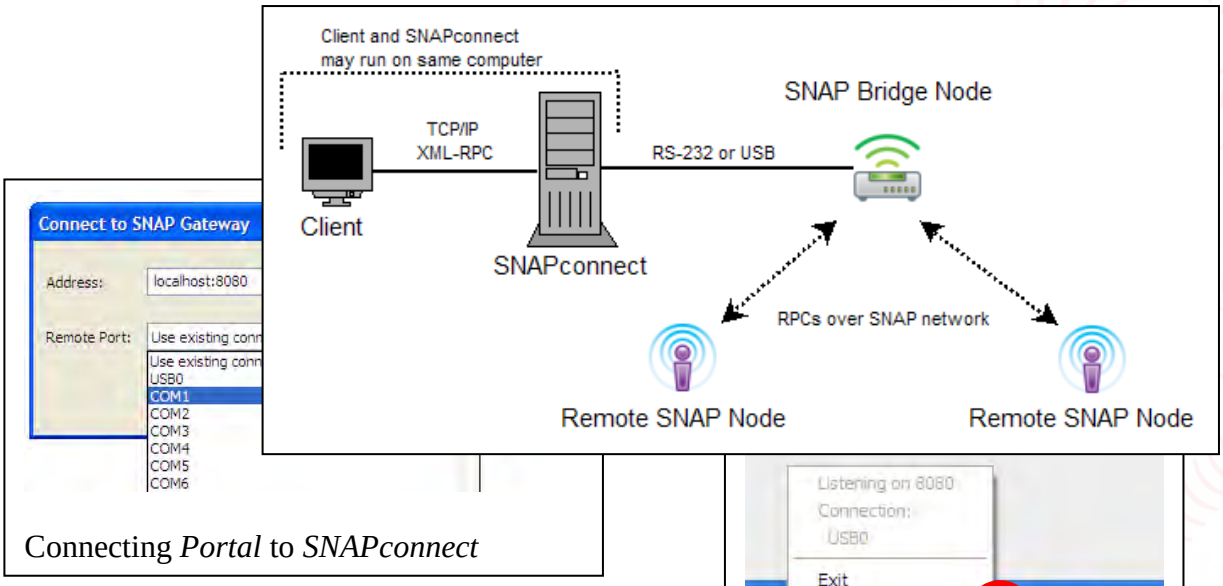
Wireless Technology to Control and Monitor Anything from Anywhere™

SNAPconnect

The fastest way to connect your App to SNAP

Synapse's SNAPconnect provides a seamless interface between devices on a wireless SNAP® network and client applications. Hosted either locally (co-resident with application program) or across the Internet, your application is a full participant in the SNAP network. Each application connected to the SNAPconnect has a unique address and can both send and receive Remote Procedure Calls (RPC). Because SNAP is designed from the ground-up with native RPC support, interaction between your application program and embedded wireless devices is simple and incredibly *fast*!



Connecting *Portal* to *SNAPconnect*

SNAPconnect can run as a service, or completely silently

SNAPconnect Developer Pack

- Full documentation of the SNAPconnect API
- Detailed configuration options
- Includes executable examples in **Python, Visual Basic,** and **C#** (Java, C++ and C examples are available on Synapse's support forum: forums.synapse-wireless.com)

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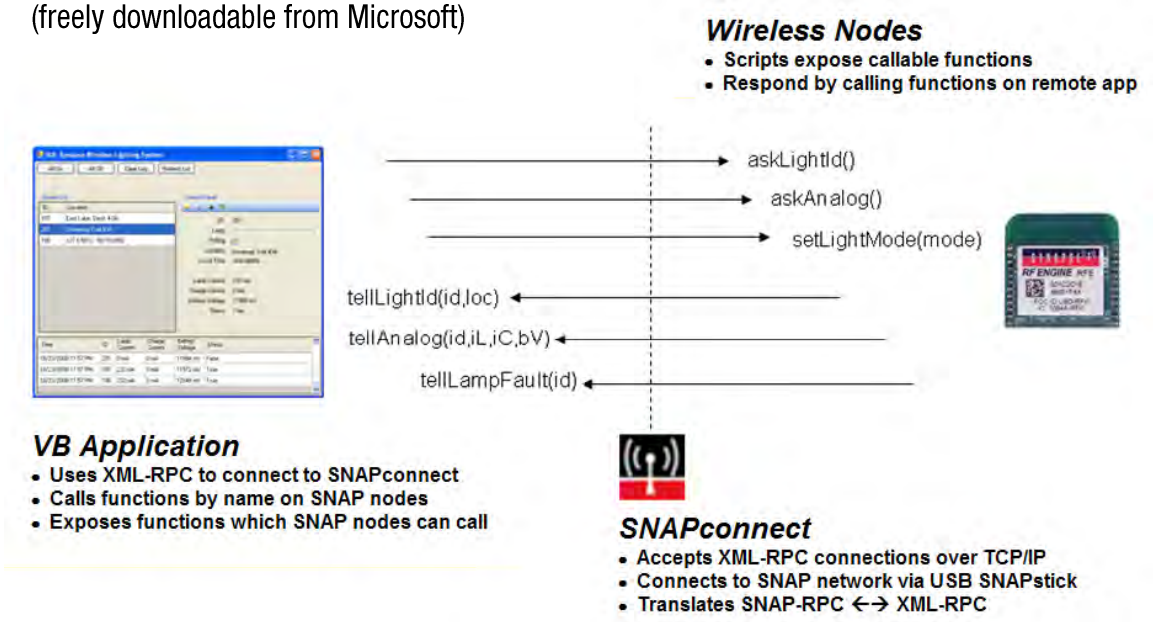
Sample Application: Visual Basic Lighting Controller

- Connects to SNAPconnect service at startup
- Broadcasts to discover wireless devices (embedded in Lights)
- Receives asynchronous events (RPC call-in to VB application) such as lamp-fail
- Accesses GPS location information from remote nodes
- Requires the standard XML-RPC.NET library (freely downloadable from Microsoft)



SNAPconnect Features:

- Control and monitor a SNAP network from 3rd party client applications
  - √ Supports all popular programming languages and operating systems
- Any TCP/IP system can join a SNAP network
  - √ Selectable HTTP port for client connections
  - √ SNAPconnect host connects to any SNAP device via USB or RS232 port
- Client applications use **standard** XML-RPC protocol over HTTP
  - √ Uses established Internet standards and time-tested libraries
  - √ Your application is a **peer** on the SNAP network
  - √ Simply **call** remote (RPC) functions in your embedded wireless devices
  - √ Remote wireless devices can directly call (RPC) functions in your App
- Supports remote administration of SNAP network using *Portal*
  - √ ***Portal*** can connect to your ***SNAPconnect*** over any TCP/IP network
- Each installation of SNAP Connect requires a license

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