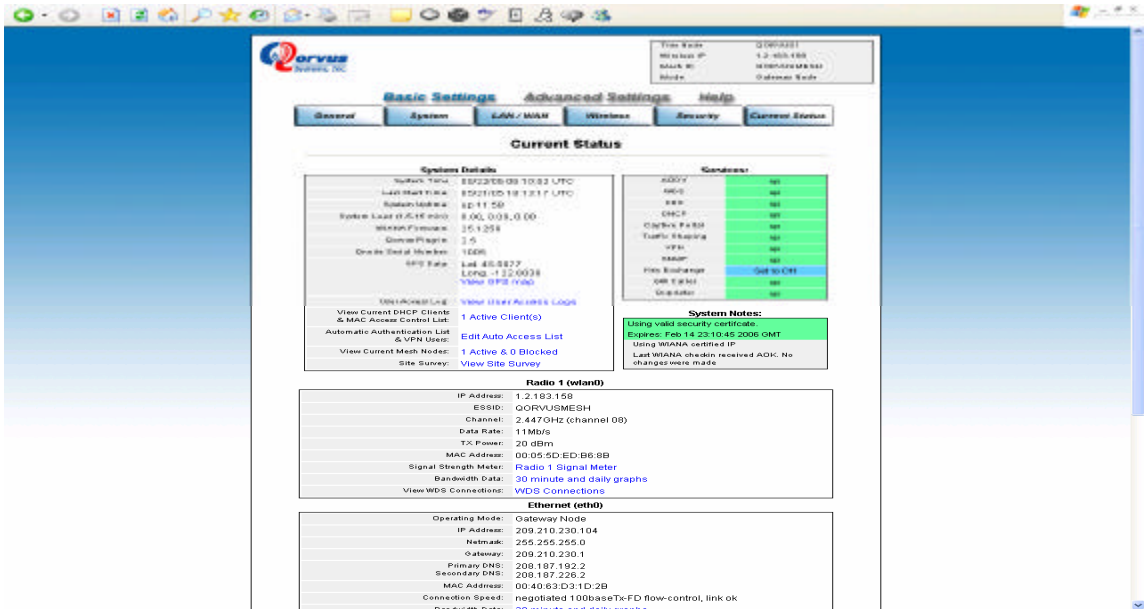
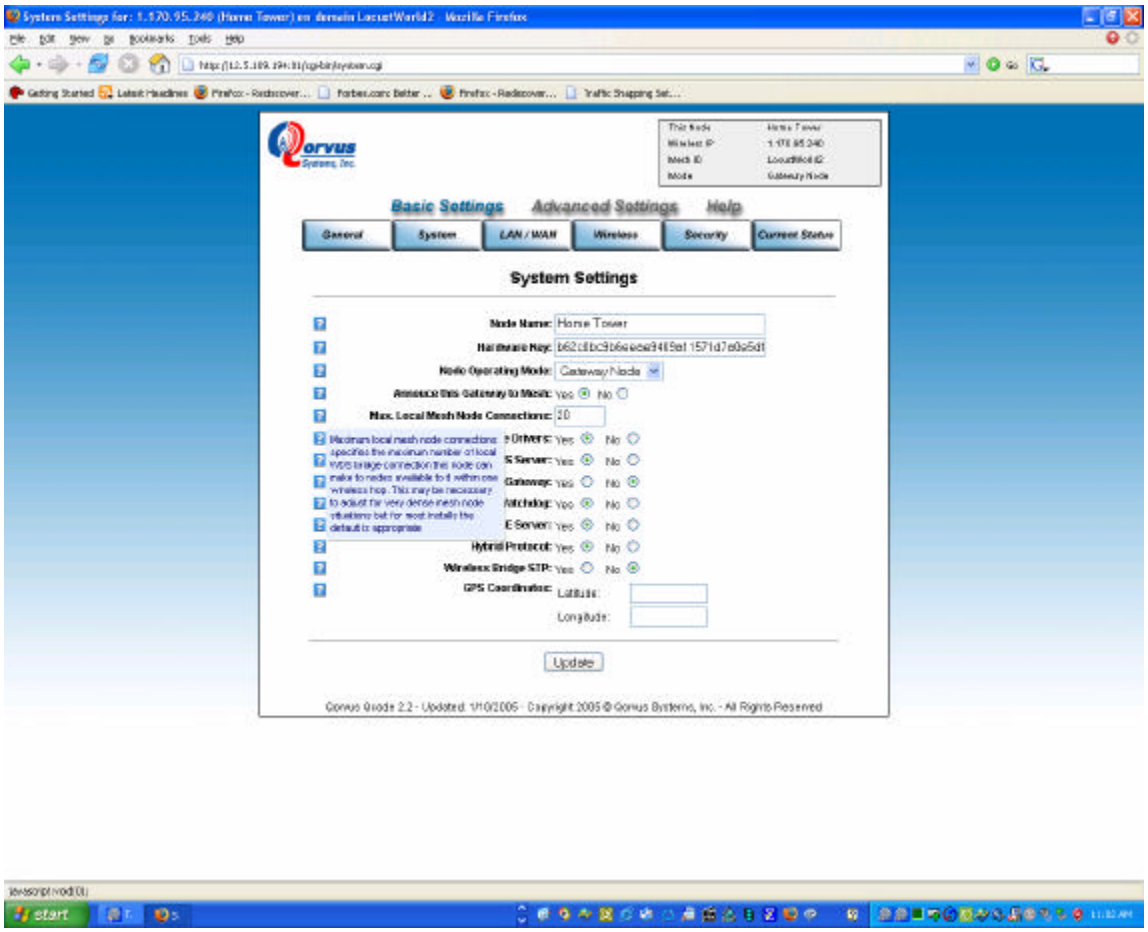
Qorvus Qnode & Qcode Graphic User Interface overview:

The Qorvus Qnode is generally preconfigured at the factory to meet specific user requirements. This means they arrive nearly plug-and play, and can often be deployed with little additional setup work. However, for situations where further configuration is required, each Qnode contains an unusually capable and feature-rich web-based user interface that is the primary management tool for each node within the mesh. Management via a fully-featured command-line ssh interface is also available. When a technician first associates and logs into the management interface, he is presented with the comprehensive general status page shown below, providing a quick status overview as well as detailed links that allow him to change all major operating parameters of the device, as well as jump to any other downstream or upstream Qnode in the same mesh using the unique built-in VPN client / hosting mechanism. This real-time capability is available both while local within the mesh, and from thousands of miles away via VPN.



Basic and Advanced functions are available via the navigation bars at the top of the screen. Context balloon help is provided to allow the user to quickly understand and implement many of the sophisticated capabilities:



Sophisticated radio setup is made easy by the intuitive Qcode interface:
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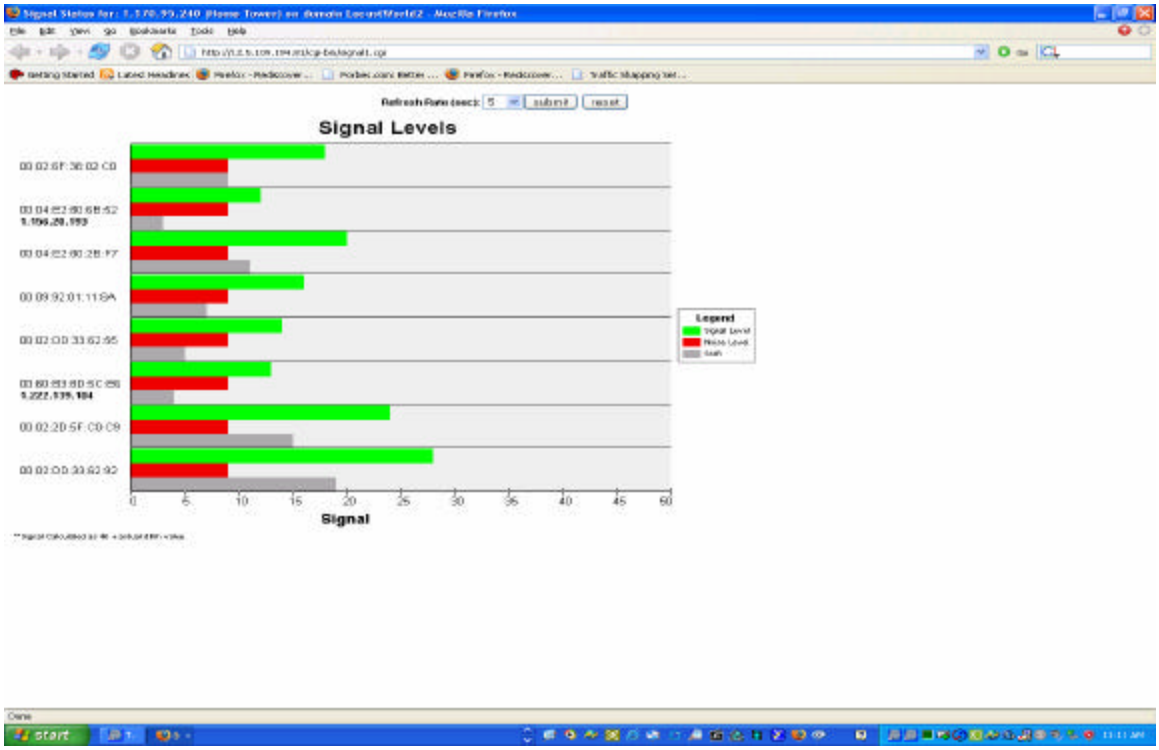
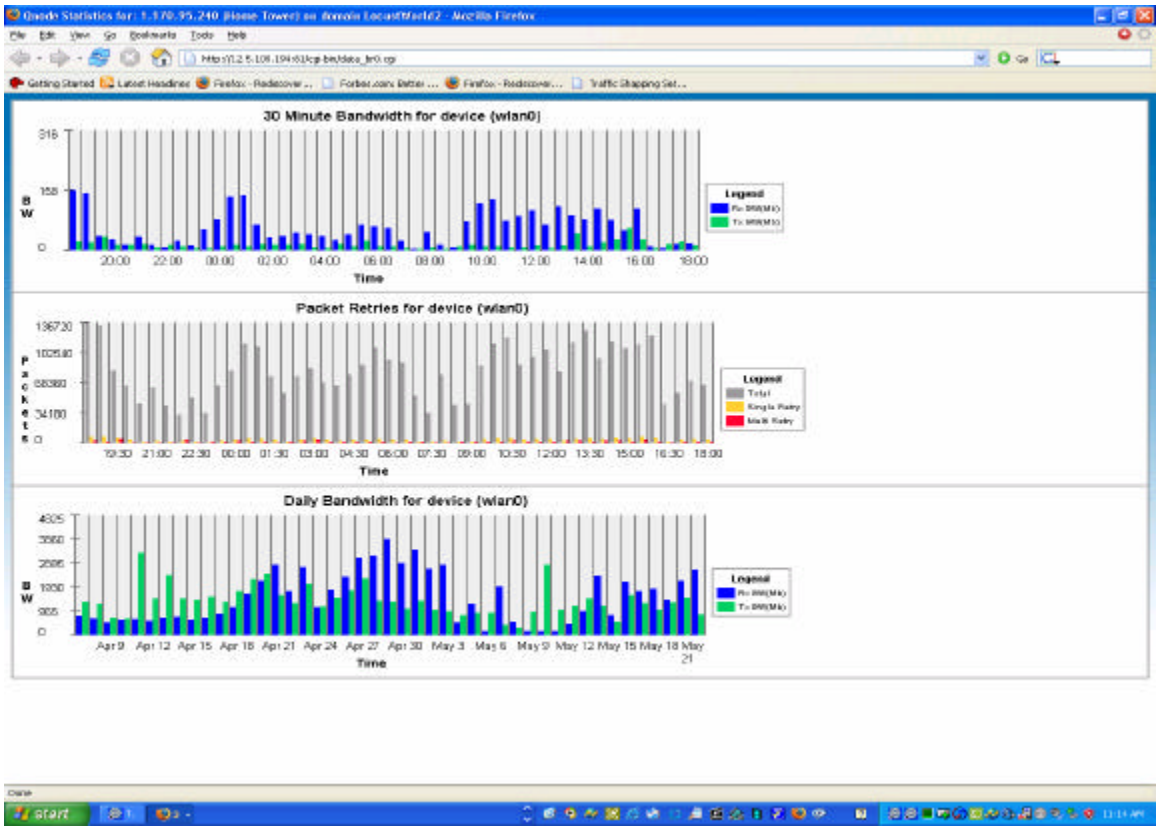
All important parameters for Atheros and Prism based radios such as the Wistron CM9, Ubiquiti SR-5 and SR-9, and Senao mp2511 are supported including wireless IP, standard ISM and UNI-I channels from 900 Mhz to 5.8 Ghz, ESSID, link distance, encryption, fragmentation, transmit power, and receive sensitivity.

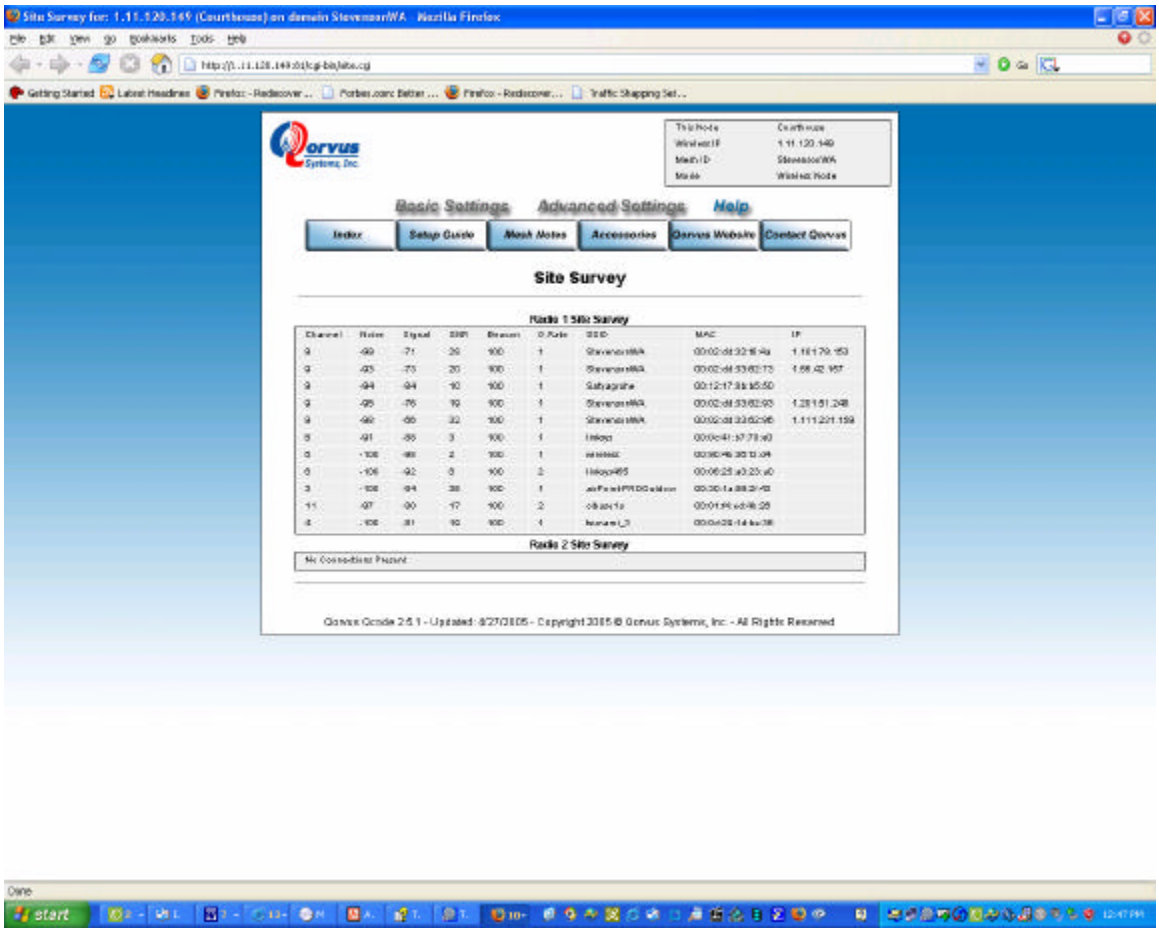
Both during and after the initial installation process, radio signal strength and quality are available in a unique real-time graphing system:



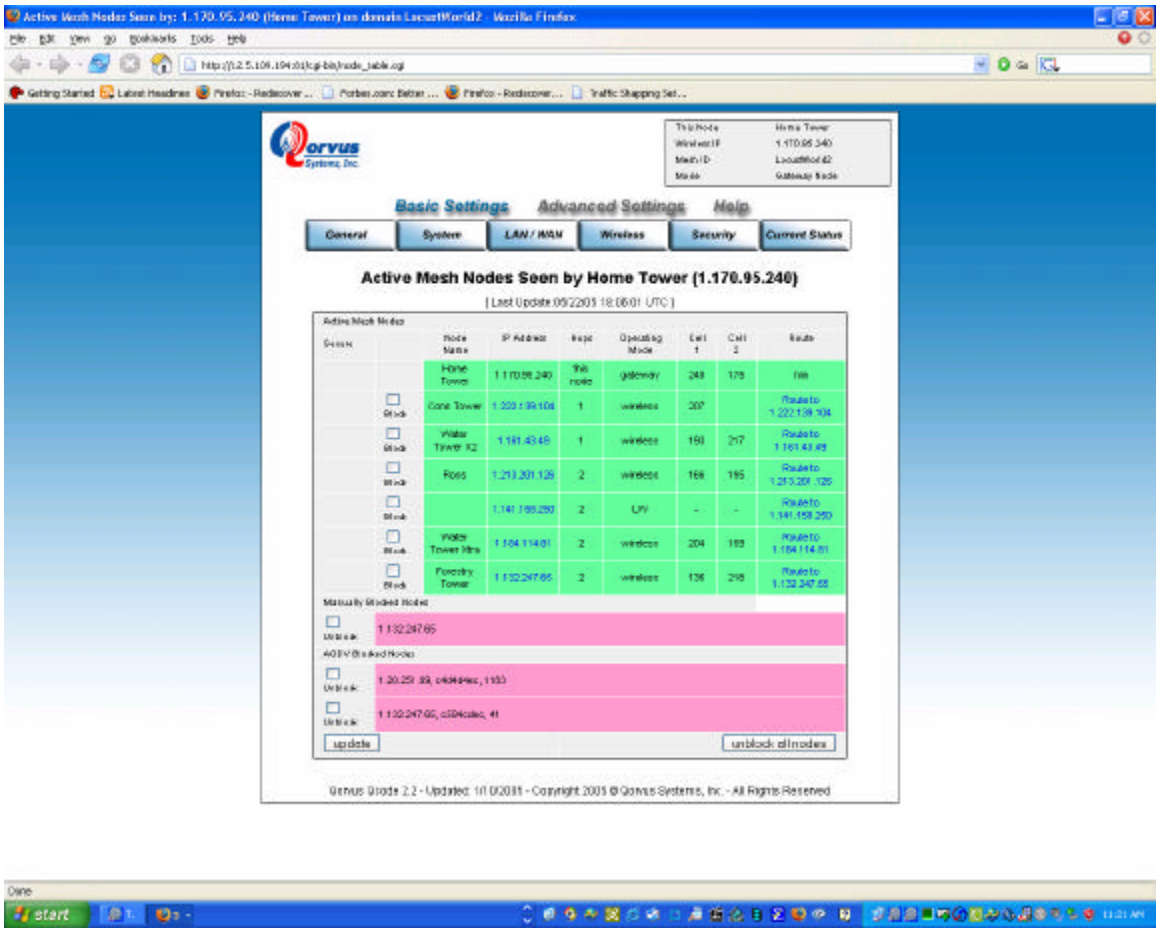
and packet transmission statistics over time are also available at the click of a mouse:



In addition, site-survey data that shows both mesh and non-mesh wireless devices within range is shown in detail, to aid in planning or tracking down any sources of interference:

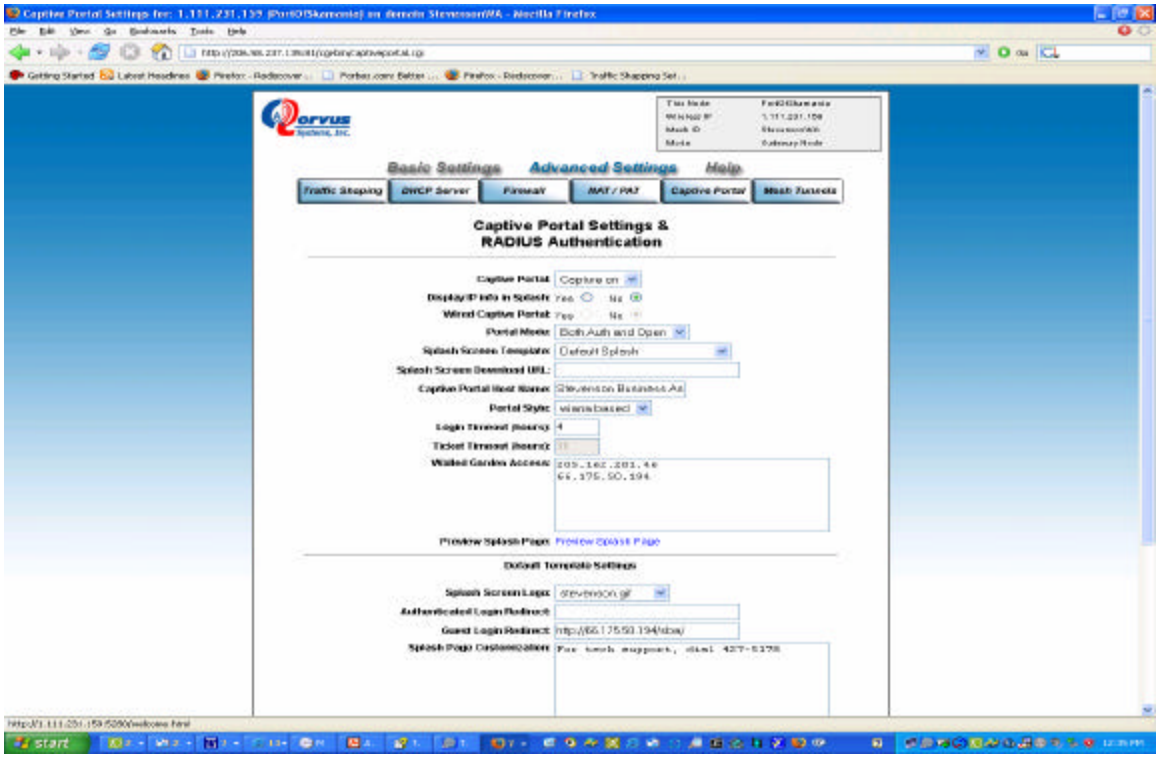


All Qnodes within a mesh, are visible from any Qnode within the mesh:



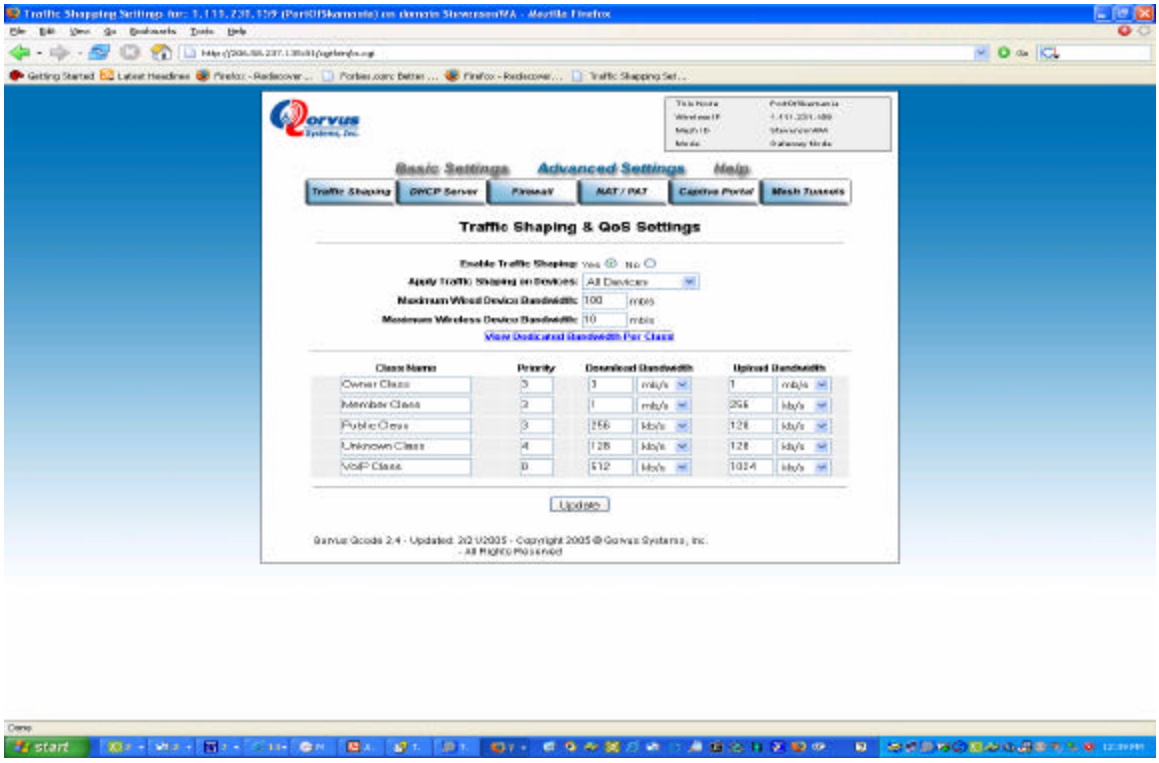
Basic status for each Qnode including connectivity mode, cell-id, route blocking, number of hops, and round-trip ping and latency statistics are instantly visible on this screen, and clicking on any Qnode's link immediately brings the technician to that node's web interface.

Powerful built-in tools are also available to set up various walled-garden and client capture scenarios. These allow the technician to completely set up the experience that a user will see when they first associate wit the mesh using their laptop or PDA. The captive Portal tool allows this setup to take place using either the built-in defaults, or an external server-based presentation that can include streaming audio and video for e.g. location-based services.



The result is a fully customizable presentation screen that network users see when first associating with the mesh, that supports standards such as RADIUS and AUTOMAC authentication as well as class-based use and bandwidth privileges

Classful bandwidth, traffic-shaping, and QoS and peer-to-peer throttling are also supported on a node-by-node basis:



And a classful firewall that can be set to prevent associated client computers from snooping on each other is also included:

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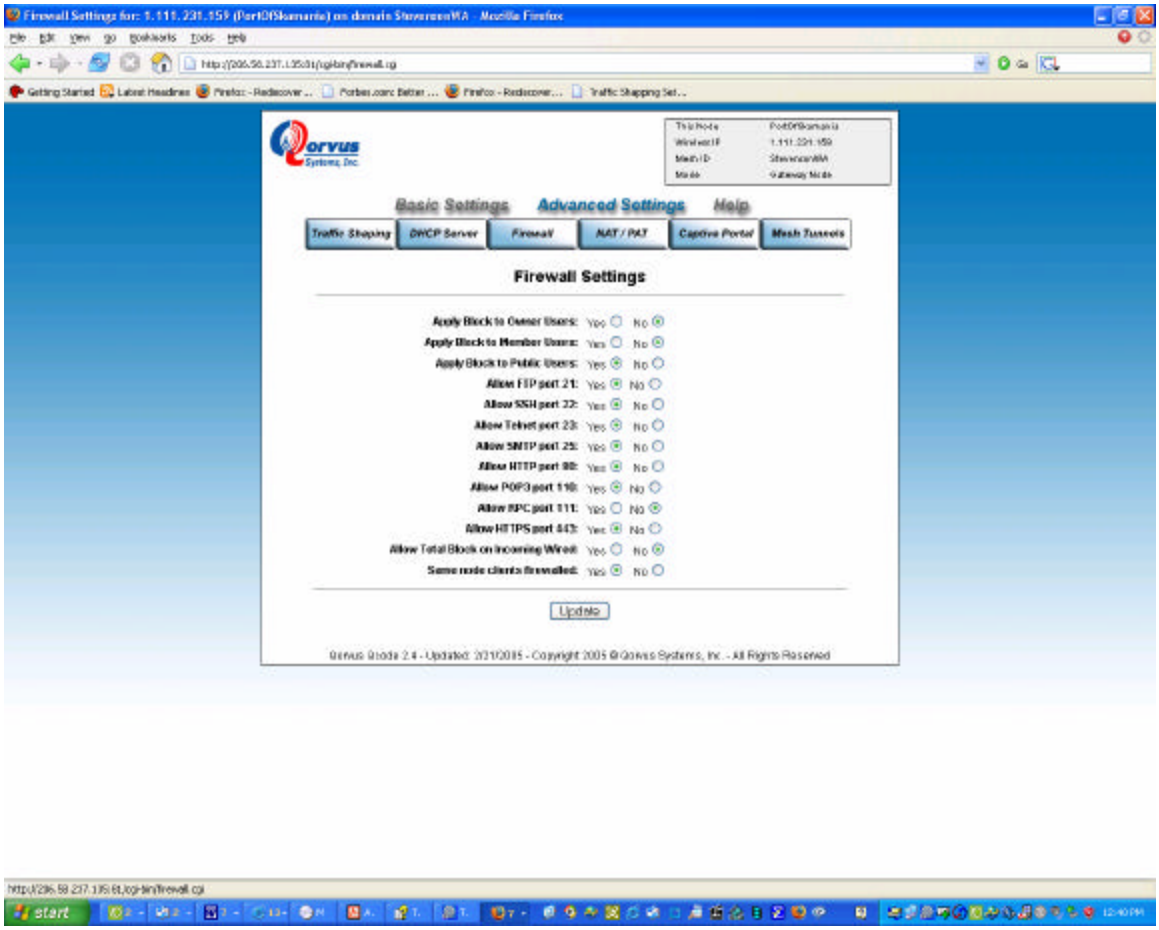
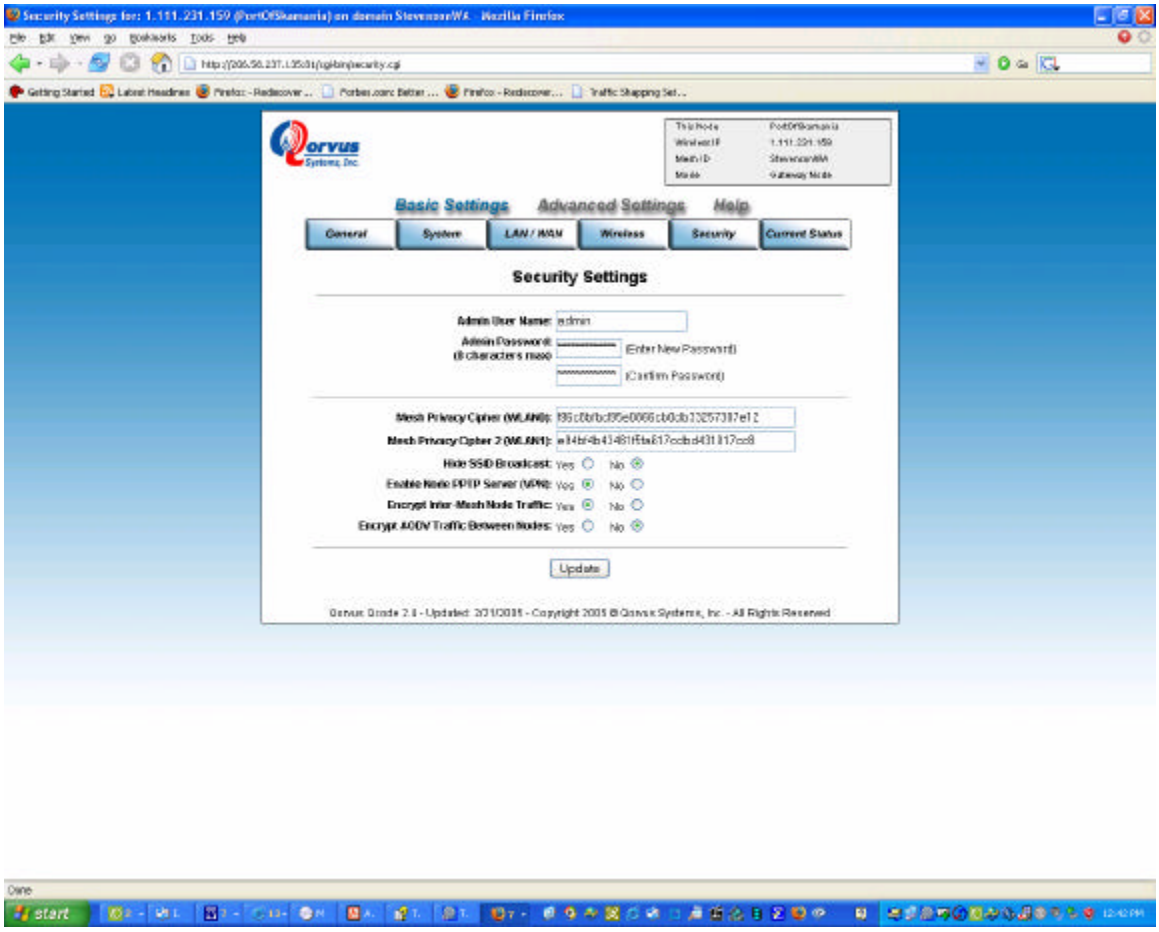


System security is also set to a high level. The GUI can be accessed via secure ssl at https://1.X.Y.Z:82/ For customer traffic, inter-node 2048-bit key encryption can be optionally enabled, as well as Blowfish encryption for mesh traffic, end-to-end pptp VPN, and client-to-node VPN. Commonly-used security standards and authentication mechanisms are all supported, as is hidden SSID:



All of these features are under a continuous improvement process, so that each new software release typically includes improvements both in back end functionality, and in ease of use. The update process can also be managed from the GUI:

The technician simply loads the name of the desired update into the Update field, hits the Update button, and the node automatically contact the Qorvus server, and after validation, the new upload is installed automatically in the background. Often, the can take place with no reboot or interruption in user traffic.

For more details on system setup please visit the built-in help section on any Qnode:
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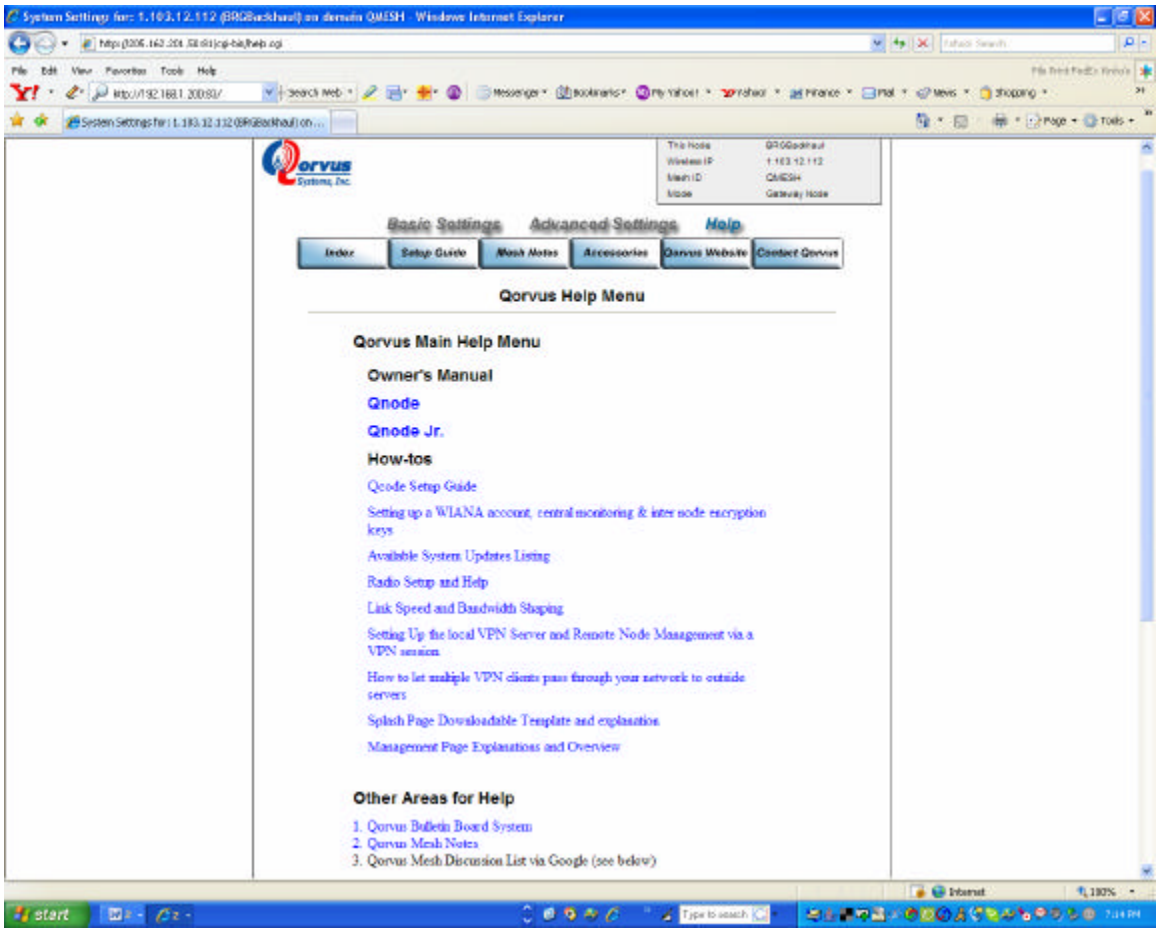

Or visit the Qorvus Systems website at http://www.qorvus.com/helpmenu/index.htm

We look forward to hearing from you!