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Viprinet: New firmware brings numerous new router features

Bingen, Germany, 6/24/2013. – Besides new products, Viprinet now also offers a new firmware version which comprises numerous improvements as well as a battery of new features. As most important feature, Node Stacking has been implemented. With Node Stacking, several Multichannel VPN Routers can be combined to form one big virtual super router which is able to bond a theoretically unlimited number of WAN connections. One of the combined routers is specified as master router, it manages the other routers of the group, the so-called slaves. When the master router fails, a slave automatically takes over its functions. As soon as the dedicated master router is operational again, it takes over control. Thus, Node Stacking increases reliability: Now, not only Hubs but also Routers can be set up redundantly.

Also, the web interface of Multichannel VPN Routers and Hubs is new. Besides a modern design and a more intuitive service, it provides better administration functions and increases work drastically. For instance, it is now possible to edit several similar objects at the same time, e.g. all channels in one VPN tunnel.

The screenshot displays the web interface for a Viprinet Multichannel VPN Router 300. At the top left, there is a small image of the router and its specifications: Serial: 2013061030/2013061100, Version: 2013061030/2013061100, Name: [redacted], and Logged in as: [redacted]. The Viprinet logo is in the top right corner.

The main interface is divided into several sections:

- Configuration Objects:** A sidebar on the left lists various configuration categories such as Module Slots / WAN Interfaces, VPN Tunnels, VPN Clients / Road warriors, WAN/VPN Routing and NAT, LAN settings, Integrated services, Logging & Maintenance, Traffic Accounting, QoS rules and classes templates, Stacking, GEO Tracking, Product features License Manager, and Administration.
- Editor:** The main area shows the configuration for a specific object, currently set to "GEO Tracking". It includes a description: "This object contains location information of this router. If this router is equipped with a GPS receiver or contains a hot-plug module which contains a GPS receiver, the information in this object is updated with the current router location on a frequent basis." Below this, there are sections for Properties (Log position change, Log satellite info, Log NMEA sentences), Permissions (Read access, Write access), and Tools (Google Maps).
- Map:** A Google Maps window is open, showing a map of Bingen am Rhein. A red location pin is placed on the map, and various streets like "Hafenstraße", "Mainzer Straße", and "Vorstadt" are labeled.
- Log messages:** A table at the bottom shows system logs with columns for Timestamp, Severity, and Message. The messages include "Got scan request", "Router is locked, not accepting settings", and "[WEBCONFIG] [root@...] User logged in".

In addition, a channel may now have the value "costs". Here, channels with a lower cost value are used when not all channels are necessary to achieve a certain bandwidth, e.g. for transmitting "normal" traffic cost-effectively through ADSL channels. Channels with a higher cost value however are added optionally. As an example, a 3G/4G channel with a higher cost value may explicitly only be used for traffic peaks.

Furthermore, all Viprinet Router models now basically support GPS functionality. The actual location of Multi-channel VPN Routers can be traced in the web interface from now. Model 510 has native GPS functionality; all other models must be equipped with at least one LTE/DC-HSPA+/EDGE/GPS Hot Plug Module.

All new functions ensure that now, Viprinet is even better suitable for high reliability scenarios; WAN bonding can be used more economically, and new applications in mobile scenarios become possible. Viprinet's distance to their competitors is on the increase.

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