



Press release No. 14/2013

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. The interface is organized into several sections:

- Header:** Shows the device name "Viprinet Multichannel VPN Router 300", a small image of the router, and system information including Serial, Version (2013061030/2013061100), Name, and Logged in as.
- Configuration Objects:** A sidebar menu with categories like "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 configuration area, currently showing the "GEO Tracking" settings. It includes a text description, a "Properties" section with "Log position change" and "Log satellite info" options, a "Permissions" section with "Read access" and "Write access" fields, and a "Tools" section with a "Google Maps" button.
- Map:** A Google Maps window is open, showing a street view of Bingen am Rhein, Germany. A red location pin is placed on the map, and a "Karte Satellit" button is visible in the top right corner of the map window.
- Log messages:** A table at the bottom of the interface displays system logs. The table has columns for "Timestamp", "Severity", and "Message".

Timestamp	Severity	Message
Jun 14 12:47:37	Informational	Got scan request
Jun 14 12:47:37	Informational	Router is locked, not accepting settings
Jun 14 12:47:39	Informational	Got scan request
Jun 14 12:47:39	Informational	Router is locked, not accepting settings
Jun 14 12:47:40	Informational	[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.

Press information released on 6/24/2013 – 2,168 characters – print free of charge, please forward a copy.

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