



Enabling a Personal Wi-Fi Experience for Hotel Guests



a cheat code for building a
more scalable, manageable,
profitable, and secure
network.

The Technology

The rXg (revenue extraction gateway) solution provides a unique technology that enables hospitality network operators to securely segment user traffic, even on a shared Guest Wi-Fi network. The micro-segmentation feature dynamically assigns “private” Personal Area Networks (PANs) to guest devices on a per-guest and/or per-room basis via credentials acquired through nearly any available means, including PMS integration. This powerful feature enables a unique guest experience for hotel networks through a single SSID.

With rXg, guest devices can directly connect to each other (without a proxy server) in a manner that is identical to how they operate at home. In-room equipment is assigned the same VLAN, enabling seamless connectivity between guest and hotel-supplied infrastructures, such as casting to TVs from guest casting devices. An unparalleled level of security is also present in the networks deployed using this methodology because devices belonging to other guests are connected on to separate L2s.



Homelike Secure and Personalized Wi-Fi Experience

Per-guest PAN assignment is the ultimate solution in the current environment. Today's hotel guest brings multiple Internet-enabled devices beyond smartphones and tablets, such as connected wearables, casting devices and so on. Modern devices need to communicate with each other through LAN connections for large-scale and/or low-latency data transfer. The micro-segmentation reduces incidences of spoofing, hacking, man-in-the-middle vulnerability and network hogging.

A Single Solution for Wired and Wireless Networks

With rXg, guest devices can directly connect to each other (without a proxy server) in a manner that is identical to how they operate at home. In-room equipment is assigned the same VLAN, enabling seamless connectivity between guest and hotel-supplied infrastructures, such as casting to TVs from guest casting devices. An unparalleled level of security is also present in the networks deployed using this methodology because devices belonging to other guests are connected on to separate L2s.





Enabling a Personal Wi-Fi Experience for Hotel Guests

RG Nets, Inc., a global leader developing innovative technology for device-centric environments that quickly solves the most complex network engineering challenges in more than 50 countries.

RG Nets' Revenue Extraction Gateway (rXg) combines control, management and data plane components for your service delivery network into a single platform delivering unmatched scale and control. The rXg orchestrates networks for three of the top six carriers in the US, airports, NFL and NBA stadiums, retail, convention centers, universities, hotels, apartments and more.

RG Nets delivers unparalleled agility with disruptive engineering that enables profitable networks in both wired and wireless networks.