

Network-Hosted IP PBX Solution



Ranch Network's RN Series simplifies the complicated business of delivering VoIP services to multiple enterprise locations

Delivering VoIP services to business locations can be complicated. Reliability, quality, security and survivability all must be engineered to work with customers' existing networks. Ranch's RN Series Multi-function devices combine the solutions to these problems into one easy-to-manage appliance.

Signaling Independence

Ranch Networks VoIP devices can be used with any signaling protocol, be it standards-based or proprietary, including SIP, H.323, and MGCP.

This signaling protocol independence also allows for the use of an encrypted signaling channel, securing any data that might be in the signaling stream such as customer credit card numbers.

Security

Through the combination of security zones, per-call firewall control and patent-pending *Split Subnetting*, the RN Series provides strong dynamic security and easy installation with minimal customer involvement.

Bandwidth Allocation and QOS

In a recent Information Week VoIP survey of 300 business technology executives, "performance and quality of service" was the number one concern in deploying VoIP. Ranch's RN Series dynamically adapts

network resources, including per-call bandwidth allocation and QOS, based on the real-time requirement of a Soft Switch or IP PBX.

Local Survivability

In case of network failure, the RN Series supports local survivability, allowing traffic to be routed through an alternate IP connection or Media Gateway - a feature not supported in network based Session Border Controllers.

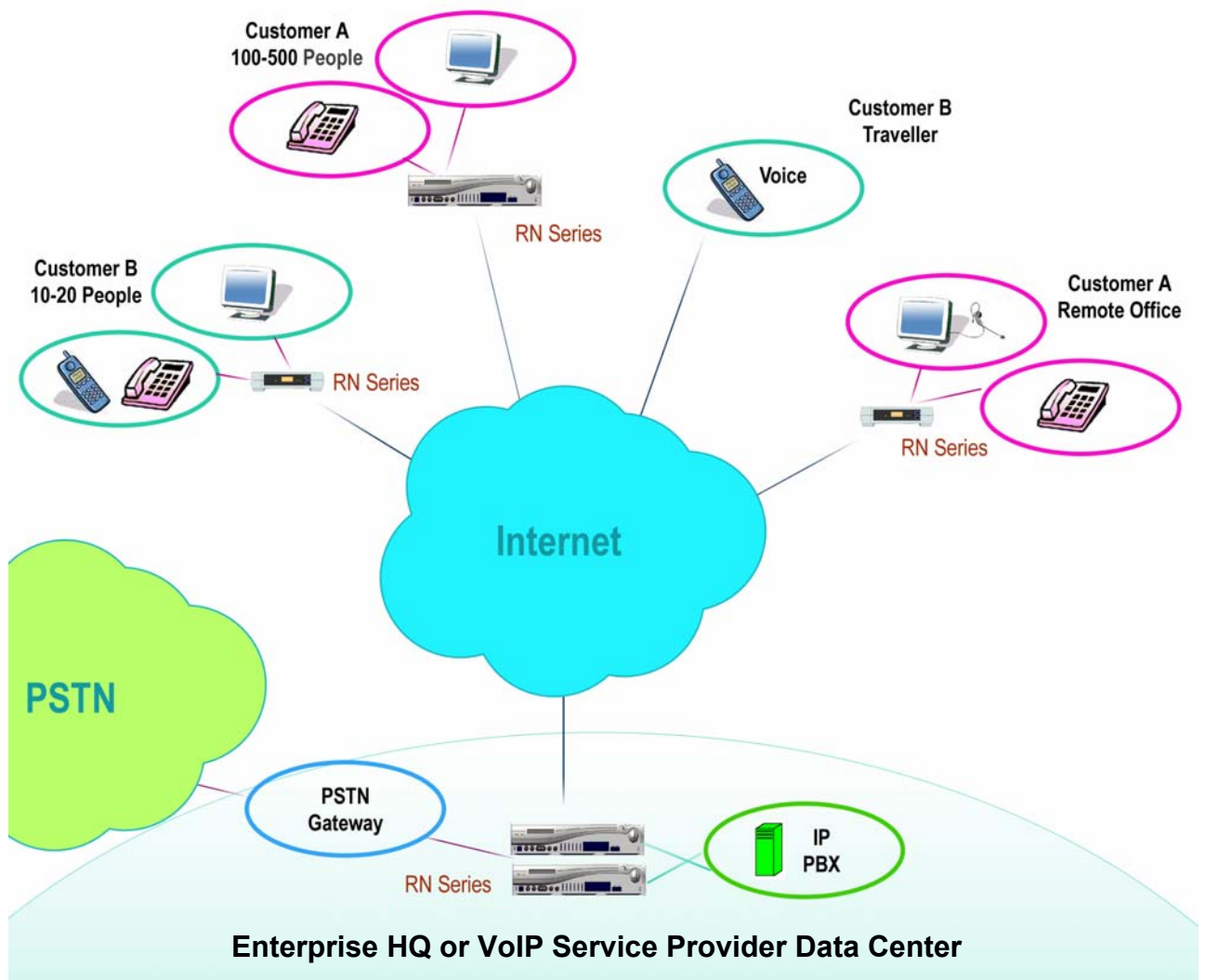
Network Virtualization

Through the use of zoned security and dynamic bandwidth allocation, Ranch Networks RN Series can provide individualized VoIP services to multiple customers from a single device.

Using the RN's zoning feature and specialized VoIP support, a single IP PBX or Softswitch can be used to securely provide services to multiple customer locations.

The RN Series is an ideal way to cost-effectively deliver VoIP services in a multi-tenant building.

Deployment Example



RN VoIP Features

- Per-Call Firewall Control
- Per-Call Bandwidth Allocation and QOS
- NAT Traversal
- CALEA Support
- Encrypted Signaling and Media Support
- Compatible with any Signaling Protocol
- IP PBX Denial of Service Protection
- WAN failover to back-up gateway for local survivability
- Adjunct Systems Health Monitoring
- Preservation of location-specific IP addresses
- Network Call Usage Reporting

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