

- Central Management System
- TR-069



VigorACS SI version Case Study

**Brand & Marketing MGMT
Dept.**

DrayTek Corp



Advance tech by adopting TR - 069

Pros of TR - 069

1. CWMP device configuration, troubleshooting, firmware upgrades, user management, and reporting for TR-069 enabled devices to reduce truck rolls
2. Enables service providers to offer dynamic services such as home networking, security, Voice over IP, centrally managed by a TR-069 ACS
3. Reduces support calls by automated/proactive monitoring and managing of TR-069 CWMP devices

Cons of SNMP

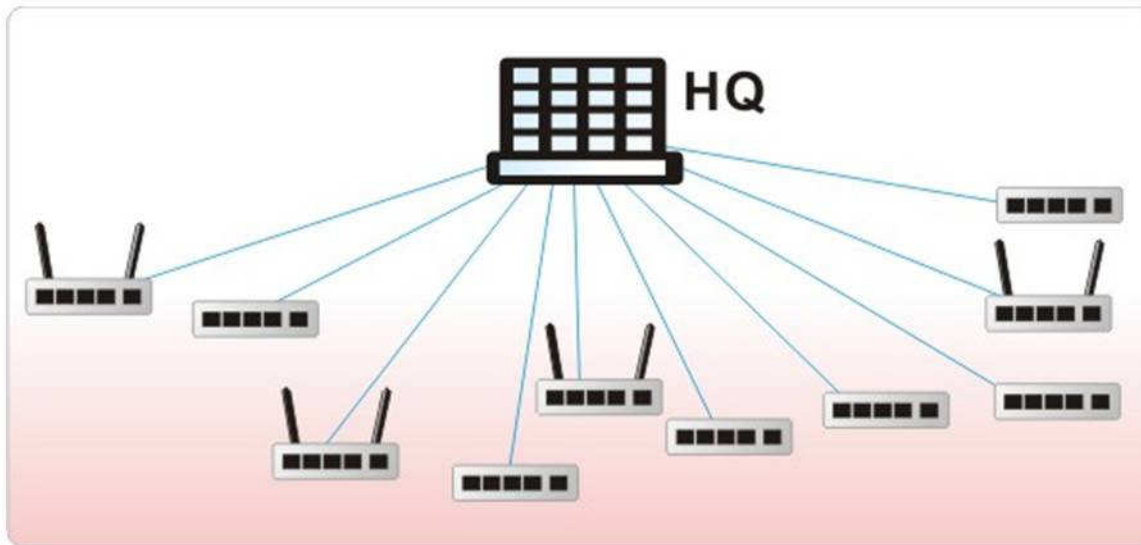
SNMP is a technology that is tried and true, but each company has its own MIB (management information base), and **SNMP has been known to have security flaws.**

Cost saving & Productivity enhancement

Targets

1. Establishing 500 VPN tunnels
2. Firmware Upgrade for 500 modem/routers

500 Routers/Modems





Establishing 500 VPN tunnels building

VPN tunnel via remote management

- 10 minutes per tunnel
- Total : 83 hours 20 minutes

VPN tunnel via VigorACS SI

- 10 seconds~ 1 minutes
- Total: 8 hours 20 minutes

Time saved : 75 hours



Firmware Upgrade for 500 modem/routers

FW upgrade via remote management

- 5 min. per modem/router
- Total : 41 hour 40 minutes

FW upgrade via VigorACS SI

- 15 seconds per modem/router
- Total: 4 hours

Time saved : 37 hours



Time Saving:

VPN LAN-to-LAN tunnels	75 hours
Firmware Upgrade	37 hours
Total	112 hours

Money Saving:

US average paid/hr	\$20 USD
Time Saving	112 hours
Total	\$2,240 USD
