Wirless Security

WEP	Wired Equivalent Privacy. It was implemented in 1999 and started with 64-bit encrpytion and was later updated to 128-bit. It is easily hackable so a new solution had to be made.
WPA	Wi-Fi Protected Access. Was implemented in 2003. It has 256-bit encryption. WPA is mostly attacked over WPS to get access.
WPA2	Was implemented in 2006. It uses AES algorithms to secure it. Nowadays a modern computer takes anywhere from 2-14 hours to crack a password. WPS should be disabled on a router is possible to prevent such an attack.

SNMP



SNMP Configuration

Simple Network Management Protocol is an Internet Standard protocol for collecting and organizing information about managed devices on IP networks and for modifying that information to change device behavior.

Go to the management tab -> snmp -> trap reveivers -> new -> and enter the ip and its name -> press apply

Configure



Configure DHCP Scope:

Create a new Scope -> enter its name an config details -> press apply -> click on its name and put status on enabled

WPA2



WPA2 Enterprise Configuration:

Create a new WLAN or edit an existing one -> to to security tab -> select under layer2 security wpa+wpa2 and under key management 802.1X -> under AAA Servers select its ip

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