

4G-failover using script

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WINTHER
WIRELESS



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BREDBAND

Winther Wireless/Winther Broadband

- **Nordic distributor**
- **Certified trainer for major vendors**
- **WISP/ISP in the Stockholm area**
- **14 employees**
- **Solar panels/battery banks NEW!**



Winther Conferences

- **Annual WISP/ISP nordic conference**
8-9.th sept Stockholm
– open for all players



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CONFERENCES

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4G Failover

- **hAP AC Lite**
- **LTE/3G-Modem (Check Wiki for supported hardware)**
- **PoE-Bank (Now with 802.3af/at)**



4G Failover

- **Routing Filter**
- **Scheduler**
- **Scripting**
- **Dynamic settings**

RJ-45 Connectors

- **Pairs run through**
- **Crimptool cuts**
- **Decreased PoE-Cycle**
- **Higher reliability**



Thank you!

Q & A



- /interface lte
- set [find] mac-address=58:2C:80:13:92:63 name=lte1
- /interface bridge
- add name=LAN protocol-mode=none
- add name=WAN protocol-mode=none
- /ip neighbor discovery
- set ether1 discover=no
- set ether2 discover=no
- set ether3 discover=no
- set ether4 discover=no
- set ether5 discover=no
- set LAN discover=no
- set WAN discover=no
- /interface wireless security-profiles
- set [find default=yes] supplicant-identity=MikroTik
- add authentication-types=wpa2-psk eap-methods="" group-ciphers=tkip,aes-ccm \
- management-protection=allowed mode=dynamic-keys name=profile1 \
- supplicant-identity="" unicast-ciphers=tkip,aes-ccm wpa2-pre-shared-key=\
- vTrygg99v20161
- /interface wireless
- set [find default-name=wlan1] band=2ghz-b/g/n country=sweden disabled=no \
- frequency=auto mode=ap-bridge security-profile=profile1 ssid=SSID2 \
- wireless-protocol=802.11
- set [find default-name=wlan2] band=5ghz-a/n/ac country=sweden disabled=no \
- frequency=auto mode=ap-bridge security-profile=profile1 ssid=SSID5 \
- wireless-protocol=802.11
- /ip neighbor discovery
- set wlan1 discover=no
- /ip hotspot profile
- set [find default=yes] html-directory=flash/hotspot
- /ip ipsec proposal
- set [find default=yes] enc-algorithms=aes-128-cbc
- /ip pool
- add name=dhcp_pool1 ranges=192.168.0.2-192.168.0.254
- /ip dhcp-server
- add address-pool=dhcp_pool1 disabled=no interface=LAN lease-time=1d name=dhcp1
- /system logging action
- set 1 disk-file-name=log
- /interface bridge port
- add bridge=LAN interface=ether5
- add bridge=WAN interface=ether1
- add bridge=LAN interface=ether2
- add bridge=LAN interface=ether3