Első 4 cím nem koisztható, mivel az kell a HRSP részére

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Név | Szerep | IP cím | Maszk | Kiosztható címek |
| Vlan 10 | Wifi | 192.168.10.0 | 255.255.255.0 | 1 - 254 |
| Vlan 20 | Tantermek | 192.168.9.0 | 255.255.255.128 | 192.168.9.4 – 127 |
| Vlan 30 | Tanári | 192.168.9.128 | 255.255.255.224 | 192.168.9.132 – 159 |
| Vlan 40 | Szerverek | 192.168.9.160 | 255.255.255.240 | 192.168.9.164 – 175 |
| Valn 50 | Porta | 192.168.9.176 | 255.255.255.240 | 192.168.9.180 – 191 |
| Vlan 60 | Management Vlan | 192.168.9.192 | 255.255.255.224 | 192.168.9.193 – 223 |
| Vlan 70 | Nativ Vlan | 192.168.9.224 | 255.255.255.224 | 192.168.9.225 - 254 |

A Vlan 70-ben lévő címeket használjuk fel a rooterekhez.

OSPF

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| Router | Network | Maszk | Area | Passzív interface | Md5 | Router id |
| R1 | 192.168.10.0  192.168.9.0  192.168.9.128  192.168.9.160  192.168.9.176  192.168.9.224 | 0.0.0.255  0.0.0.127  0.0.0.31  0.0.0.15  0.0.0.15  0.0.0.3 | 0 | G0/0 |  | 2.2.2.2 |
| R2 | 192.168.10.0  192.168.9.0  192.168.9.128  192.168.9.160  192.168.9.176  192.168.9.228 | 0.0.0.255  0.0.0.127  0.0.0.31  0.0.0.15  0.0.0.15  0.0.0.3 | 0 | G01/0 |  | 3.3.3.3 |
| R3 | 192.168.9.224  192.168.9.228 | 0.0.0.3  0.0.0.3 | 0 | Nincs |  | 1.1.1.1 |

HSRP

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Router | Interface | Standby ID | Standby ip | priority |
| R1 | G0/0.10 | 1 | 192.168.10.3 | 150 |
| 2 | 192.168.10.4 | 110 |
| G0/0.20 | 1 | 192.168.9.3 | 150 |
| 2 | 192.168.9.4 | 110 |
| G0/0.30 | 1 | 192.168.9.131 | 150 |
| 2 | 192.168.9.132 | 110 |
| G0/0.40 | 1 | 192.168.9.163 | 150 |
| 2 | 192.168.9.164 | 110 |
| G0/0.50 | 1 | 192.168.9.179 | 150 |
| 2 | 192.168.9.180 | 110 |
| R2 | G1/0.10 | 1 | 192.168.10.3 | 110 |
| 2 | 192.168.10.4 | 150 |
| G1/0.20 | 1 | 192.168.9.3 | 110 |
| 2 | 192.168.9.4 | 150 |
| G1/0.30 | 1 | 192.168.9.131 | 110 |
| 2 | 192.168.9.132 | 150 |
| G1/0.40 | 1 | 192.168.9.163 | 110 |
| 2 | 192.168.9.164 | 150 |
| G1/0.50 | 1 | 192.168.9.179 | 110 |
| 2 | 192.168.9.180 | 150 |

VTP beállítások

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Eszköz | Domain | Mode | Password | Version |
| Multi Layer Switch 0 | Banki | Server | Banki123 | V2 |
| Multi Layer Switch 1 | Banki | Transparent | Banki123 | V2 |
| SW1 | Banki | Transparent | Banki123 | V2 |
| SW2 | Banki | Transparent | Banki123 | V2 |
| SW3 | Banki | Clinet | Banki123 | V2 |
| SW4 | Banki | Clinet | Banki123 | V2 |
| SW5 | Banki | Clinet | Banki123 | V2 |
| SW6 | Banki | Clinet | Banki123 | V2 |
| SW7 | Banki | Clinet | Banki123 | V2 |

Ethernet Chanel csoportok

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Eszközök | Protokol | Csoport száma | Portok | Mod |
| SW1 | PAGP | Group 1 | Fa0/6 & Fa 0/7 | Desirable |
| SW2 | PAGP | Group 1 | Fa0/6 & Fa 0/7 | Auto |
| Multi Layer Switch 0 | LACP | Group 2 | G0/1 & G0/2 | Actipve |
| Multi Layer Switch 1 | LACP | Group 2 | G0/1 & G0/2 | Passive |

Multi Layer Switch 1 és 2 pártfunkciók (teljesen szimmetrikus a redundancia miatt.)

|  |  |
| --- | --- |
| Port | Funkció |
| Fa0/1 | Routed port |
| Fa0/2 | Trunk |
| Fa0/3 | Trunk |
| Fa0/4 | Trunk |
| Fa0/5 | Access |
| Fa0/6 | Trunk |