Πίνακας 1. Yποδίκτυα Σχολείου

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Ονοματεπώνυμο** | ΓΕΩΡΓΙΟΣ ΜΑΤΣΕΛΟΣ | | | **18668033**  **6** | 18668033 |
| **Χώρος** | **Υποδίκτυο** | **Μάσκα** | **Broadcast** | **1η IP** | **Τελευταία IP** |
| LIBRARY |  |  |  |  |  |
| LIBRARY |  |  |  |  |  |
| STAFF |  |  |  |  |  |
| STAFF |  |  |  |  |  |

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| --- | --- | --- | --- | --- | --- | --- |
| **S1 - Switch Σχολείου** | | | | | | |
| **Port** | **Τερματικό/Interface** | **IP** | **Mask** | **Gateway** | **DNS** | |
| Fa 0/1 | PC0 | 192.168.8.1 | 255.255.255.0 | 192.168.100.100 | 192.168.100.6 | |
| Fa 0/2 | PC1 | 192.168.8.2 | 255.255.255.0 | 192.168.100.100 | 192.168.100.6 | |
| Fa 0/3 | PC2 | 192.168.8.3 | 255.255.255.0 | 192.168.100.100 | 192.168.100.6 | |
| Fa 0/4 | PC3 | 192.168.8.4 | 255.255.255.0 | 192.168.100.100 | 192.168.100.6 | |
| Fa 0/5 | PRN | 192.168.8.5 | 255.255.255.0 | 192.168.100.100 | 192.168.100.6 | |
| Fa 0/6 | SRV1 | 192.168.8.6 | 255.255.255.0 | 192.168.100.100 | 192.168.100.6 | |
| Fa 0/7 | PC4 | 192.168.8.7 | 255.255.255.0 | 192.168.200.100 | 192.168.100.6 | |
| Fa 0/8 | PC5 | 192.168.8.8 | 255.255.255.0 | 192.168.200.100 | 192.168.100.6 | |
| Fa 0/9 | LAP | 192.168.8.9 | 255.255.255.0 | 192.168.200.100 | 192.168.100.6 | |
| Gig 0/1 | R1 Σχολείου  (G 0/0) | **Trunk** | | | |

Πίνακας 2. στοιχεία διεπαφών στο Switch S1

Πίνακας 3 Στοιχεία διεπαφών Router Σχολείου (R1)

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **R1 – Router Σχολείου** | | | | | | | | |
| **Port** | **Τερματικό/interface** | | **IP** | | **Mask** | | **Gateway** | **DNS** |
| Gig 0/0.1 & Gig 0/0.2 | S1 – Switch Σχολείου G0/1 | | 192.168.8.1 | | 225.225.225.1 | |  |  |
|  | |
| Gig 0/1 | DSL Modem/Cloud – Router ΠΣΔ | 81.186.127.2/17 | | 225.225.225.1 | |  | |  |

Πίνακας 4 Κανόνες δρομολόγησης R1

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| --- | --- | --- |
| **R1-Router 1 Σχολείου** | | |
| **Δίκτυο** | **Μάσκα** | **Gateway** |
| 62.217.124.0 | 225.225.225.0 |  |
| 195.130.96.0 | 225.225.225.0 |  |
| 194.63.235.0 | 225.225.225.0 |  |

Πίνακας 5 Στοιχεία διεπαφών στο switch 2 S2

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **S1 – Switch Σχολείου** | | | | | |
| **Port** | **Τερματικό/Ιnterface** | **IP** | **Mask** | **Gateway** | **DNS** |
| Fa 0/1 | SRV2 - ΠΣΔ Server | 194.63.235.2 | 225.225.225.0 |  |  |
| Gig 0/1 | R2 ΠΣΔ (Gig 0/1) | 194.63.235.1 | 225.225.225.0 |  |  |

Πίνακας 6 Στοιχεία διεαφών Router ΠΣΔ (R2)

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **R2 – Router ΠΣΔ** | | | | | | | | |
| **Port** | **Τερματικό/interface** | | **IP** | | **Mask** | | **Gateway** | **DNS** |
| Gig 0/0 | Cloud/DSL Modem – Router Σχολείου | | 194.63.235.1 | | 225.225.225.0 | |  |  |
| Gig 0/1 | S2 (Gig 0/1) | 194.63.235.1 | | 225.225.255.0 | |  | |  |
| Se 0/3/0 | R3 GRNET (Se 0/3/0) | 12.0.0.1 | | 225.0.0.0 | |  | |  |

Πίνακας 7 Κανόνες δρομολόγησης R2

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| --- | --- | --- |
| **R2-Router 2 ΠΣΔ** | | |
| **Δίκτυο** | **Μάσκα** | **Gateway** |
| 194.63.235.1 | 225.225.225.0 |  |
| 12.0.0.1 | 225.0.0.0 |  |
|  |  |  |

Πίνακας 8 Στοιχεία κόμβων στο Switch3 S3

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| --- | --- | --- | --- | --- | --- |
| **S3 – Switch ΕΔΥΤΕ** | | | | | |
| **Port** | **Τερματικό/Ιnterface** | **IP** | **Mask** | **Gateway** | **DNS** |
| Fa 0/1 | SRV3 - GRNET Server (DNS/HTTP/EMAIL) | 62.218.124.1 | 225.225.225.0 |  |  |
| Gig 0/1 | R3 GRNET (Gig 0/0) | 62.217.124.2 | 225.225.225.0 |  |  |

Πίνακας 9 Στοιχεία διεπαφών Router GRNET (R3)

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| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **R3 – Router GRNET** | | | | | | | | |
| **Port** | **Τερματικό/interface** | | **IP** | | **Mask** | | **Gateway** | **DNS** |
| Gig 0/0 | S3 (Gig 0/1) | | 62.217.124.1 | | 225.0.0.0 | |  |  |
| Se 0/3/0 | R2 (Se 0/3/0) | 12.0.0.2 | | 225.0.0.0 | |  | |  |
| Se 0/3/1 | R4 (Se 0/3/0) | 14.0.0.1 | | 225.0.0.0 | |  | |  |

Πίνακας 10 Κανόνες δρομολόγησης R3

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| --- | --- | --- |
| **R3-Router 3 GRNET** | | |
| **Δίκτυο** | **Μάσκα** | **Gateway** |
| 62.218.124.1 | 225.0.0.0 |  |
| 62.217.124.2 | 225.0.0.0 |  |
| 12.0.0.2 | 225.0.0.0 |  |
| 14.0.0.1 | 225.0.0.0 |  |

Πίνακας 11 Στοιχεία διεπαφών Router ΠΣΔ (R4)

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **R4 – Router GRNET** | | | | | | | | |
| **Port** | **Τερματικό/interface** | | **IP** | | **Mask** | | **Gateway** | **DNS** |
| Gig 0/0 | S4-NoC (Gig 0/1) | | 195.130.100.1 | | 225.225.225.0 | |  |  |
| Gig 0/1 | S5-ALIS (Gig 0/1) | 195.130.101.1 | | 225.225.225.0 | |  | |  |
| Se 0/3/0 | R3 (Se 0/3/1) | 14.0.0.2 | | 225.0.0.0 | |  | |  |

Πίνακας 12 Κανόνες δρομολόγησης R4

|  |  |  |
| --- | --- | --- |
| **R4-Router 4 UNIWA** | | |
| **Δίκτυο** | **Μάσκα** | **Gateway** |
| 195.130.100.1 | 225.225.225.0 |  |
| 195.130.101.1 | 225.225.225.0 |  |
| 14.0.0.2 | 225.0.0.0 |  |
|  |  |  |