**Asignatura: Comunicaciones y Redes**

**TRABAJO PRACTICO N°5 (UNIDAD N° 6)**

# ARCHIVO DE RESPUESTAS

# EJERCICIO 1:

Reglas de filtrado aplicadas en:

**Nombre del router: BUENOS AIRES**

|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Interface | Origen | | Destino | | Protocolo | | Puerto | | Acción | |
| 172.16.24.1 | | CUALQUIERA | | 172.16.29.100 | | HTTP | | 80 | | PERMITIR |
| 172.16.24.1 | | CUALQUIERA | | 172.16.30.100 | | HTTP | | 80 | | PERMITIR |
| 172.16.24.1 | | CUALQUIERA | | 172.16.28.100 | | HTTP | | 80 | | PERMITIR |
| 172.16.21.1 | | CUALQUIERA | | 172.16.29.100 | | HTTP | | 80 | | PERMITIR |
| 172.16.21.1 | | CUALQUIERA | | 172.16.30.100 | | HTTP | | 80 | | PERMITIR |
| 172.16.23.1 | | CUALQUIERA | | 172.16.29.100 | | HTTP | | 80 | | PERMITIR |
| 172.16.23.1 | | CUALQUIERA | | 172.16.28.100 | | HTTP | | 80 | | PERMITIR |
| 172.16.22.1 | | CUALQUIERA | | 172.16.28.100 | | HTTP | | 80 | | PERMITIR |
| 172.16.22.1 | | CUALQUIERA | | 172.16.30.100 | | HTTP | | 80 | | PERMITIR |
| 172.16.24.1 | | 172.16.31.101 | | 172.16.28.101 | | SMTP | | 25 | | PERMITIR |
| 172.16.24.1 | | 172.16.31.101 | | 172.16.29.101 | | SMTP | | 25 | | PERMITIR |
| 172.16.24.1 | | 172.16.31.101 | | 172.16.30.101 | | SMTP | | 25 | | PERMITIR |
| 172.16.23.1 | | 172.16.29.101 | | 172.16.28.101 | | SMTP | | 25 | | PERMITIR |
| 172.16.23.1 | | 172.16.28.101 | | 172.16.29.101 | | SMTP | | 25 | | PERMITIR |
| 172.16.22.1 | | 172.16.29.101 | | 172.16.28.101 | | SMTP | | 25 | | PERMITIR |
| 172.16.22.1 | | 172.16.28.101 | | 172.16.30.101 | | SMTP | | 25 | | PERMITIR |
| 172.16.21.1 | | 172.16.29.101 | | 172.16.29.101 | | SMTP | | 25 | | PERMITIR |
| 172.16.21.1 | | 172.16.29.101 | | 172.16.30.101 | | SMTP | | 25 | | PERMITIR |
| 172.16.24.1 | | 172.16.31.101 | | 172.16.28.101 | | POP3 | | 110 | | PERMITIR |
| 172.16.24.1 | | 172.16.31.101 | | 172.16.29.101 | | POP3 | | 110 | | PERMITIR |
| 172.16.24.1 | | 172.16.31.101 | | 172.16.30.101 | | POP3 | | 110 | | PERMITIR |
| 172.16.23.1 | | 172.16.29.101 | | 172.16.28.101 | | POP3 | | 110 | | PERMITIR |
| 172.16.23.1 | | 172.16.28.101 | | 172.16.29.101 | | POP3 | | 110 | | PERMITIR |
| 172.16.22.1 | | 172.16.29.101 | | 172.16.28.101 | | POP3 | | 110 | | PERMITIR |
| 172.16.22.1 | | 172.16.28.101 | | 172.16.30.101 | | POP3 | | 110 | | PERMITIR |
| 172.16.21.1 | | 172.16.29.101 | | 172.16.29.101 | | POP3 | | 110 | | PERMITIR |
| 172.16.21.1 | | 172.16.29.101 | | 172.16.30.101 | | POP3 | | 110 | | PERMITIR |
| 172.16.24.1 | | 172.16.28.0/24 | | 172.16.21.102 | | DNS | | 53 | | PERMITIR |
| 172.16.23.1 | | 172.16.29.0/24 | | 172.16.21.102 | | DNS | | 53 | | PERMITIR |
| 172.16.22.1 | | 172.16.30.0/24 | | 172.16.21.102 | | DNS | | 53 | | PERMITIR |
| 172.16.24.1 | | 172.16.28.0/24 | | 172.16.21.103 | | TCP | | 3108 | | PERMITIR |
| 172.16.23.1 | | 172.16.29.0/24 | | 172.16.21.103 | | TCP | | 3108 | | PERMITIR |
| 172.16.22.1 | | 172.16.30.0/24 | | 172.16.21.103 | | TCP | | 3108 | | PERMITIR |
| 172.16.24.1 | | 172.16.21.240- 172.16.21.250 | | CUALQUIERA | | CUALQUIERA | | CUALQUIERA | | PERMITIR |
| 172.16.24.1 | | CUALQUIERA | | CUALQUIERA | | CUALQUIERA | | CUALQUIERA | | DENEGAR |

**Nombre del router: CÓRDOBA**

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| --- | --- | --- | --- | --- | --- |
| Interface | Origen | Destino | Protocolo | Puerto | Acción |
| 172.16.28.1 | CUALQUIERA | 172.16.29.100 | HTTP | 80 | PERMITIR |
| 172.16.28.129 | CUALQUIERA | 172.16.29.100 | HTTP | 80 | PERMITIR |
| 172.16.28.1 | CUALQUIERA | 172.16.30.100 | HTTP | 80 | PERMITIR |
| 172.16.28.129 | CUALQUIERA | 172.16.30.100 | HTTP | 80 | PERMITIR |
| 172.16.21.2 | 172.16.21.0 | 172.16.28.100 | HTTP | 80 | PERMITIR |
| CUALQUIERA | 172.16.28.101 | 172.16.29.101 | SMTP | 25 | PERMITIR |
| CUALQUIERA | 172.16.28.101 | 172.16.30.101 | SMTP | 25 | PERMITIR |
| 172.16.21.2 | 172.16.29.101 | 172.16.28.101 | POP3 | 110 | PERMITIR |
| 172.16.21.2 | 172.16.30.101 | 172.16.28.101 | POP3 | 110 | PERMITIR |
| 172.16.21.2 | 172.16.24.101 | 172.16.28.101 | POP3 | 110 | PERMITIR |
| 172.16.28.1 | 172.16.28.0/24 | 172.16.21.102 | DNS | 53 | PERMITIR |
| 172.16.28.129 | 172.16.28.128/24 | 172.16.21.102 | DNS | 53 | PERMITIR |
| 172.16.28.1 | 172.16.28.0/24 | 172.16.21.103 | TCP | 3108 | PERMITIR |
| 172.16.28.129 | 172.16.28.128/24 | 172.16.21.103 | TCP | 3108 | PERMITIR |
| 172.16.21.2 | CUALQUIERA | CUALQUIERA | CUALQUIERA | CUALQUIERA | DENEGAR |

**Nombre del router: SANTA FE**

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| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Interface | Origen | | Destino | | Protocolo | | Puerto | | Acción | |
| 172.16.30.1 | | CUALQUIERA | | 172.16.28.100 | | HTTP | | 80 | | PERMITIR |
| 172.16.30.129 | | CUALQUIERA | | 172.16.28.100 | | HTTP | | 80 | | PERMITIR |
| 172.16.30.1 | | CUALQUIERA | | 172.16.29.100 | | HTTP | | 80 | | PERMITIR |
| 172.16.30.129 | | CUALQUIERA | | 172.16.29.100 | | HTTP | | 80 | | PERMITIR |
| 172.16.22.2 | | 172.16.22.0 | | 172.16.30.100 | | HTTP | | 80 | | PERMITIR |
| CUALQUIERA | | 172.16.30.101 | | 172.16.28.101 | | SMTP | | 25 | | PERMITIR |
| CUALQUIERA | | 172.16.30.101 | | 172.16.29.101 | | SMTP | | 25 | | PERMITIR |
| 172.16.22.2 | | 172.16.28.101 | | 172.16.30.101 | | POP3 | | 110 | | PERMITIR |
| 172.16.22.2 | | 172.16.30.101 | | 172.16.30.101 | | POP3 | | 110 | | PERMITIR |
| 172.16.22.2 | | 172.16.31.101 | | 172.16.30.101 | | POP3 | | 110 | | PERMITIR |
| 172.16.30.1 | | 172.16.29.0/24 | | 172.16.21.102 | | DNS | | 53 | | PERMITIR |
| 172.16.30.129 | | 172.16.29.128/24 | | 172.16.21.102 | | DNS | | 53 | | PERMITIR |
| 172.16.30.1 | | 172.16.29.0/24 | | 172.16.21.103 | | TCP | | 3108 | | PERMITIR |
| 172.16.30.129 | | 172.16.29.128/24 | | 172.16.21.103 | | TCP | | 3108 | | PERMITIR |
| 172.16.22.2 | | CUALQUIERA | | CUALQUIERA | | CUALQUIERA | | CUALQUIERA | | DENEGAR |

**Nombre del router: SALTA**

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|  |  | |  | |  | |  | |  | |
| 172.16.29.1 | | CUALQUIERA | | 172.16.28.100 | | HTTP | | 80 | | PERMITIR |
| 172.16.29.129 | | CUALQUIERA | | 172.16.28.100 | | HTTP | | 80 | | PERMITIR |
| 172.16.29.1 | | CUALQUIERA | | 172.16.30.100 | | HTTP | | 80 | | PERMITIR |
| 172.16.29.129 | | CUALQUIERA | | 172.16.30.100 | | HTTP | | 80 | | PERMITIR |
| 172.16.22.2 | | 172.16.22.0 | | 172.16.29.100 | | HTTP | | 80 | | PERMITIR |
| CUALQUIERA | | 172.16.29.101 | | 172.16.28.101 | | SMTP | | 25 | | PERMITIR |
| CUALQUIERA | | 172.16.29.101 | | 172.16.30.101 | | SMTP | | 25 | | PERMITIR |
| 172.16.22.2 | | 172.16.28.101 | | 172.16.29.101 | | POP3 | | 110 | | PERMITIR |
| 172.16.22.2 | | 172.16.30.101 | | 172.16.29.101 | | POP3 | | 110 | | PERMITIR |
| 172.16.22.2 | | 172.16.24.101 | | 172.16.29.101 | | POP3 | | 110 | | PERMITIR |
| 172.16.29.1 | | 172.16.29.0/24 | | 172.16.21.102 | | DNS | | 53 | | PERMITIR |
| 172.16.29.129 | | 172.16.29.128/24 | | 172.16.21.102 | | DNS | | 53 | | PERMITIR |
| 172.16.29.1 | | 172.16.29.0/24 | | 172.16.21.103 | | TCP | | 3108 | | PERMITIR |
| 172.16.29.129 | | 172.16.29.128/24 | | 172.16.21.103 | | TCP | | 3108 | | PERMITIR |
| 172.16.22.2 | | CUALQUIERA | | CUALQUIERA | | CUALQUIERA | | CUALQUIERA | | DENEGAR |

# EJERCICIO 2:

Reglas de filtrado aplicadas en:

Nombre del router: Buenos Aires

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| interface | Origen | Destino | Protocolo | Puerto | Acción |
| 172.16.25.1 | 172.16.21.2 | 172.16.25.2 | TCP | 80 | PERMITIR |
| 172.16.25.1 | 172.16.22.2 | 172.16.25.2 | TCP | 80 | PERMITIR |
| 172.16.25.1 | 172.16.23.2 | 172.16.25.2 | TCP | 80 | PERMITIR |
| 172.16.25.1 | 172.16.24.1 | 172.16.25.2 | TCP | 80 | PERMITIR |
| 172.16.25.1 | 172.16.21.2 | 172.16.25.3 | TCP | 110 | PERMITIR |
| 172.16.25.1 | 172.16.22.2 | 172.16.25.3 | TCP | 110 | PERMITIR |
| 172.16.25.1 | 172.16.23.2 | 172.16.25.3 | TCP | 110 | PERMITIR |
| 172.16.25.1 | 172.16.24.1 | 172.16.25.3 | TCP | 110 | PERMITIR |
| 172.16.25.1 | 172.16.21.2 | 172.16.25.3 | TCP | 25 | PERMITIR |
| 172.16.25.1 | 172.16.22.2 | 172.16.25.3 | TCP | 25 | PERMITIR |
| 172.16.25.1 | 172.16.23.2 | 172.16.25.3 | TCP | 25 | PERMITIR |
| 172.16.25.1 | 172.16.24.1 | 172.16.25.3 | TCP | 25 | PERMITIR |

**Nombre del router: ISP**

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| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Interface | Origen | | Destino | | Protocolo | | Puerto | | Acción | |
| 172.16.24.2 | | 172.16.25.2 | | 172.16.24.2 | | TCP | | 110/25 | | PERMITIR |
| 172.16.24.2 | | 172.16.25.3 | | 172.16.24.2 | | TCP | | 80 | | PERMITIR |
| 172.16.24.2 | | CUALQUIERA | | CUALQUIERA | | CUALQUIERA | | CUALQUIERA | | DENEGAR |
|  | |  | |  | |  | |  | |  |