**AMATO SARA**

**CYBER SECURITY SPECIALIST**

**S1/L2 - 01/10/2024**

ES 1:

* **128.1.6.5/12**

11111111.11110000.00000000.00000000 (individuato ottetto interessato)

= 240 (trasf. decimale)

(ciclo di cambio ottetto interessato)

255.240.0.0 (decimale)

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  | IP NETWORK | IP BROADCAST | IP GATEWAY | IP HOST |
| 128.1.6.5/12 | 128.0.0.0/12 | 128.15.255.255/12 | 128.0.0.1/12 | 128.0.0.2 |
|  | 128.16.0.0/12 | 128.31.255.255/12 | 128.16.0.1/12 | 128.16.0.2 |
|  | 128.32.0.0/12 | 128.47.255.255/12 | 128.32.0.1/12 | 128.32.0.2 |

IP HOST può andare da 128.0.0.2 a 128.0.0.254

ES 2:

* **200.1.2.3/24**

11111111.11111111.11111111.00000000

256-255= 1

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  | IP NETWORK | IP BROADCAST | IP GATEWAY | IP HOST |
| 200.1.2.3/24 | 200.1.2.0/24 | 200.1.2.255 | 200.1.2.1/24 | 200.1.2.2 |

ES 3:

* **192.192.1.1/22**

11111111.11111111.11111100.00000000

256-252 = 4

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  | IP NETWORK | IP BROADCAST | IP GATEWAY | IP HOST |
| 192.192.1.1/22 | 192.192.0.0 | 192.192.3.255 | 192.192.0.1 | 192.192.0.2 |

ES 4:

* **126.5.4.3/9**

11111111.10000000.00000000.00000000

256-128= 128

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  | IP NETWORK | IP BROADCAST | IP GATEWAY | IP HOST |
| 126.5.4.3/9 | 126.0.0.0 | 126.127.255.0 | 126.0.0.1 | 126.0.0.2 |

ES 5:

* **200.1.9.8/24**

1111111.11111111.11111111.00000000

256-255= 1

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  | IP NETWORK | IP BROADCAST | IP GATEWAY | IP HOST |
| 200.1.9.8/24 | 200.1.9.0 | 200.1.9.255 | 200.1.9.1 | 200.1.9.2 |

ES 6:

* **172.16.0.4/16**

11111111.11111111.00000000.00000000

256-255= 1

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  | IP NETWORK | IP BROADCAST | IP GATEWAY | IP HOST |
| 172.16.0.4/16 | 172.16.0.0 | 172.16.255.0 | 172.16.0.1 | 172.16.0.2 |