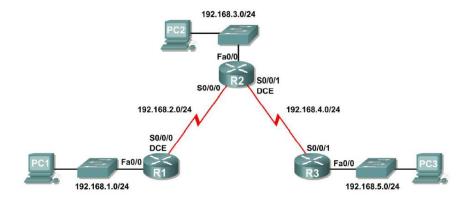


INSTITUTO TECNOLOGICO DE SALINA CRUZ

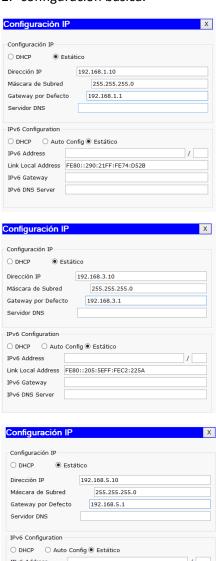
Redes de computadoras
Practica no.1.
Unidad 3.
Realizada por: sanchez santiago noe.
Lugar y fecha: salina cruz Oaxaca a 16 de abril de 2015.
Docente: Román Nájera Susana Mónica.
Semestre y grupo: 6e.
Carrera: ing. en tecnologías de la información y de las comunicaciones
Objetivo: Desarrollar las habilidades necesarias del alumno que le permitan la configuración básica y manipulación de equipos de interconexión como lo son los router.
Instrucciones: realizar la tabla de direccionamiento, la configuración inicial Y verifique las conexiones entre las PC´s, agregar al menos 5 pcs por subred.
Materiales:
Software packet tracer.
Computadora.



1.- Elaboración de tablas de enrutamiento.

	INTERFAZ	DIRECCION IP	MASCARA DE SUBRED	GATEWAY POR DEFECTO
уор	fa0/0	192.168.1.1	255.255.255.0	n/a
	S2/0	192.168.2.1	255.255.255.0	n/a
yet	fa0/0	192.168.3.1	255.255.255.0	n/a
	S2/0	192.168.2.2	255.255.255.0	n/a
	S3/0	192.168.4.1	255.255.255.0	n/a
zet	Fa0/0	192.168.5.1	255.255.255.0	n/a
	S2/0	192.168.4.2	255.255.255.0	n/a
Pc1	Nic	192.168.1.10	255.255.255.0	192.168.1.1
Pc2	Nic	192.168.1.11	255.255.255.0	192.168.1.1
Pc3	Nic	192.168.1.12	255.255.255.0	192.168.1.1
Pc4	Nic	192.168.1.13	255.255.255.0	192.168.1.1
Pc5	Nic	192.168.1.14	255.255.255.0	192.168.1.1
Pc6	Nic	192.168.3.10	255.255.255.0	192.168.3.1
P7	Nic	192.168.3.11	255.255.255.0	192.168.3.1
Pc8	Nic	192.168.3.12	255.255.255.0	192.168.3.1
Pc9	Nic	192.168.3.13	255.255.255.0	192.168.3.1
Pc10	Nic	192.168.3.14	255.255.255.0	192.168.3.1
Pc11	Nic	192.168.5.10	255.255.255.0	192.168.5.1
Pc12	Nic	192.168.5.11	255.255.255.0	192.168.5.1
Pc13	<u>Nic</u>	192.168.5.12	255.255.255.0	192.168.5.1
Pc14	Nic	192.168.5.13	255.255.255.0	192.168.5.1
Pc15	Nic	192.168.5.14	255.255.255.0	192.168.5.1

2.- configuración básica.

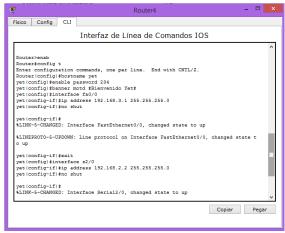


Link Local Address FE80::260:3EFF:FE78:865C

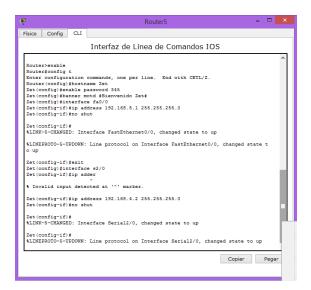
IPv6 Gateway
IPv6 DNS Server

Levantamiento de puertos y seriales.





```
yet(config-if) semit
yet(config) fint
yet(config) fint
yet(config) fint
talnNPBOTO-5-UPDOMN: Line protocol on Interface Serial2/0, changed state to
yet(config-if) fine decrees 192.168.4.1 255.255.255.0
yet(config-if) fine shut
talnN-5-CHANGED: Interface Serial3/0, changed state to down
yet(config-if) finterface Serial3/0, changed state to down
```



Verificación de conexión entre pc y routers.

```
Símbolo del Sistema

Packet Tracer PC Command Line 1.0

Pinging 192.168.1.12 with 32 bytes of data:

Reply from 192.168.1.12 with 32 bytes of data:

Reply from 192.168.1.12 bytes=32 time=lms TII=128

Reply from 192.168.1.12: bytes=32 time=lms TII=128

Reply from 192.168.1.12: bytes=32 time=nms TII=128

Reply from 192.168.1.12: bytes=32 time=nms TII=128

Reply from 192.168.1.13: bytes=32 time=nms TII=128

Ping statistics for 192.168.1.11:

Packets: Sent = 4, Received = 4, Lost = 0 (04 loss),

Approximate round trip times in milli-reconds:

Minimum ons, Maximum = lms, Average = 0ms

RC-ping 192.168.1.13

Pinging 192.168.1.13 with 32 bytes of data:

Reply from 192.168.1.13 bytes=32 time=nms TII=128

Reply from 192.168.1.13: bytes=32 time=nms TII=128

Reply from 192.168.1.13: bytes=32 time=nms TII=128

Reply from 192.168.1.13: bytes=32 time=nms TII=128

Ping statistics for 192.168.1.13:

Packets: Sent = 4. Received = 4. Lost = 0 (04 loss).
```

```
Símbolo del Sistema

**RILLIMINE - UMS., PARALIMIN - IMS., AVELEGE - UMS

**RILLIMINE - UMS., PARALIMIN - IMS., AVELEGE - UMS

**RECOMMENDED 192.168.1.14 with 32 bytes of data:

**Reply from 192.168.1.14: bytes=92 time-ims TTL=128

**Ping satistists for 192.168.1.14:

**Packers: Sent - 4, Received - G. Lost = 0 (04 loss),

**Approximate round trip times in millia-seconds:

**Minimum - Oms., Maximum = Sms., Average = 2ms

**PC-pung 192.168.3.10

**Pinging 192.168.3.10

**Pinging 192.168.3.10: bestination host unreachable.

**Reply from 192.168.1.1: Destination host unreachable.

**Reply from 192.168.1.1: Destination host unreachable.

**Penly from 192.168.1.1: Destination host unreachable.

**Packers: Sent - 4, Received - G. Lost = 4 (1004 loss),

**Packers: Sent - 4, Received - G. Lost = 4 (1004 loss),
```

```
Símbolo del Sistema

Packet Tracer PC Command Line 1.0

RCpting 192.168.2.1 this 22 bytes of data:

Paply from 192.168.2.1 this 22 bytes of data:

Reply from 192.168.2.1: bytes=22 time=0mm TTL=255

Paply from 192.168.2.1: bytes=22 time=0mm TTL=255

Ping statistics for 192.168.2.1:

Approximate cound file pames in sill seconds:

Minimum = 0ms, Maximum = 0ms, Average = 0ms

CC|
```

```
Símbolo del Sistema

Packet Tracer PC Command Line 1.0

RChping 192.168.2.2 with 32 bytes of data:

Reply from 192.168.2.2: bytes=92 time=0ms TIL=255

Reply fr
```

```
Símbolo del Sistema

Packet Tracer PC Command Line 1.0

PCDping 192.168.4.2 bytes of data:

Reply from 192.168.4.2 bytes of data:

Packets 192.168.4.2:

Packets Sent 4. Received 4. Lost 0 (0% loss),

Approximate round trip times in milli-seconds:

Minimum = Oms, Maximum = Ins, Average = Oms

PC>
```

Conclusión / resultados: en base a la figura proporcionada procedimos a la elaboración de las tablas de direccionamiento, posteriormente asignamos las ip a las pc, al término se realizó la configuración básica de cada router (asignación de nombre, contraseña, banner y levantamiento de puertos y seriales), para finalizar se verifico si existía conexión de pc a router.