

routers.net

```
#####  
#  
# NSRC Internet Exchange Point Workshop lab  
# Built: Mon Jun  8 23:47:21 UTC 2015  
#  
#####  
  
[localhost:7201]  
    workingdir = /home/nsrc/dynamips/cache/7201  
    udp = 11000  
  
    [[7200]]  
        image = /home/nsrc/binary-images/c7200-1524S6.bin  
        ram = 176  
        npe = npe-400  
        ghostios = True  
    sparsemem = True  
        idlepc=0x63188bf8  
    slot0 = C7200-IO-2FE  
  
    [[3745]]  
        image = /home/nsrc/binary-images/c3745-12415T15.bin  
        ram = 128  
        ghostios = True  
        sparsemem = True  
    idlepc=0x60bclac8  
    slot0 = GT96100-FE  
    slot1 = NM-16ESW  
  
#####  
#  
# IXP 1  
#  
#####  
  
##### IXP switches #####  
  
[[ROUTER sw1-ixp1]]  
    model = 3745  
    console = 2011  
    aux = 3011  
f0/0 = NI0_tap:tap-ixp10  
f1/8 = NI0_tap:tap-ixp18  
f1/9 = NI0_tap:tap-ixp19
```

Transit Provider router

```
[[ROUTER r1-transit-ixp1]]
  console = 2311
aux = 3311
fa0/0 = NIO_udp:31010:localhost:21010
fa0/1 = NIO_tap:tap-lan1
model = 7200
```

Transit Provider switch

```
[[ETHSW sw1-transit-ixp1]]
0 = access 1 NIO_udp:21010:localhost:31010
  1 = access 1 NIO_udp:21011:localhost:31011
2 = access 1 NIO_udp:21012:localhost:31012
3 = access 1 NIO_udp:21013:localhost:31013
4 = access 1 NIO_udp:21014:localhost:31014
  5 = access 1 NIO_udp:21015:localhost:31015
6 = access 1 NIO_udp:21016:localhost:31016
7 = access 1 NIO_udp:21017:localhost:31017
```

ISP1 routers

```
[[ROUTER r1-isp1-ixp1]]
  console = 2111
  aux = 3111
fa0/0 = sw1-ixp1 f1/1
fa0/1 = r2-isp1-ixp1 fa0/0
model = 7200
```

```
[[ROUTER r2-isp1-ixp1]]
  console = 2211
  aux = 3211
fa0/0 = r1-isp1-ixp1 fa0/1
fa0/1 = NIO_tap:tap-ixp1
fa1/0 = NIO_udp:31011:localhost:21011
  model = 7200
slot1 = PA-FE-TX
```

ISP2 routers

```
[[ROUTER r1-isp2-ixp1]]
  console = 2112
  aux = 3012
fa0/0 = sw1-ixp1 f1/2
fa0/1 = r2-isp2-ixp1 fa0/0
model = 7200
```

```
[[ROUTER r2-isp2-ixp1]]
  console = 2212
```

```
    aux = 3212
fa0/0 = r1-isp2-ixp1 fa0/1
fa0/1 = NIO_tap:tap-ixp12
fa1/0 = NIO_udp:31012:localhost:21012
    model = 7200
slot1 = PA-FE-TX
```

ISP3 routers

```
[[ROUTER r1-isp3-ixp1]]
    console = 2113
    aux = 3013
fa0/0 = sw1-ixp1 f1/3
fa0/1 = r2-isp3-ixp1 fa0/0
    model = 7200
```

```
[[ROUTER r2-isp3-ixp1]]
    console = 2213
    aux = 3213
fa0/0 = r1-isp3-ixp1 fa0/1
fa0/1 = NIO_tap:tap-ixp13
fa1/0 = NIO_udp:31013:localhost:21013
    model = 7200
slot1 = PA-FE-TX
```

ISP4 routers

```
[[ROUTER r1-isp4-ixp1]]
    console = 2114
    aux = 3014
    fa0/0 = sw1-ixp1 f1/4
fa0/1 = r2-isp4-ixp1 fa0/0
    model = 7200
```

```
[[ROUTER r2-isp4-ixp1]]
    console = 2214
    aux = 3214
fa0/0 = r1-isp4-ixp1 fa0/1
fa0/1 = NIO_tap:tap-ixp14
fa1/0 = NIO_udp:31014:localhost:21014
    model = 7200
slot1 = PA-FE-TX
```

ISP5 routers

```
[[ROUTER r1-isp5-ixp1]]
    console = 2115
    aux = 3015
    fa0/0 = sw1-ixp1 f1/5
fa0/1 = r2-isp5-ixp1 fa0/0
    model = 7200
```

```
[[ROUTER r2-isp5-ixp1]]
  console = 2215
  aux = 3215
fa0/0 = r1-isp5-ixp1 fa0/1
fa0/1 = NI0_tap:tap-ixp15
fa1/0 = NI0_udp:31015:localhost:21015
  model = 7200
slot1 = PA-FE-TX
```

ISP6 routers

```
[[ROUTER r1-isp6-ixp1]]
  console = 2116
  aux = 3016
  fa0/0 = sw1-ixp1 f1/6
fa0/1 = r2-isp6-ixp1 fa0/0
  model = 7200
```

```
[[ROUTER r2-isp6-ixp1]]
  console = 2216
  aux = 3216
fa0/0 = r1-isp6-ixp1 fa0/1
fa0/1 = NI0_tap:tap-ixp16
fa1/0 = NI0_udp:31016:localhost:21016
model = 7200
slot1 = PA-FE-TX
```

ISP7 routers

```
[[ROUTER r1-isp7-ixp1]]
  console = 2117
  aux = 3017
  fa0/0 = sw1-ixp1 f1/7
fa0/1 = r2-isp7-ixp1 fa0/0
  model = 7200
```

```
[[ROUTER r2-isp7-ixp1]]
  console = 2217
  aux = 3217
fa0/0 = r1-isp7-ixp1 fa0/1
fa0/1 = NI0_tap:tap-ixp17
fa1/0 = NI0_udp:31017:localhost:21017
  model = 7200
slot1 = PA-FE-TX
```

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