

```
# NSRC REN Routing Workshop lab
# Using c7200-advipservicesk9-mz.152-4.S7

model = 7200

[localhost]
  udp = 40100
  [[7200]]
    image      = c7200-1524S7
    ram        = 160
    npe        = npe-400
    ghostios   = True
    idlepc     = 0x631891f8

#####
## Regional REN

  [[router RREN]]
    model      = 7200
    console    = 2001
    aux        = 3001
    g1/0       = NREN1 g1/0
    g2/0       = NREN2 g1/0
    g3/0       = IXP 3

#####
## National REN 1

  [[router NREN1]]
    model      = 7200
    console    = 2003
    aux        = 3003
    g1/0       = RREN g1/0
    g2/0       = ISP1 g2/0
    g3/0       = B11 g1/0
    g4/0       = B21 g1/0
    g5/0       = B31 g1/0

#####
## IXP

  [[ETHSW IXP]]
    1 = access 1
    2 = access 1
    3 = access 1

#####
# ISP 1

  [[router ISP1]]
    model      = 7200
```

```
console = 2004
aux      = 3004
g1/0     = IXP 1
g2/0     = NREN1 g2/0
g3/0     = B12 g1/0
g4/0     = B22 g1/0
g5/0     = B32 g1/0
```

```
#####
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```
# Group 1
```

```
[[router B11]]
model    = 7200
console  = 2011
aux      = 3011
g1/0     = NREN1 g3/0
g2/0     = C11 g1/0
g3/0     = B32 g3/0
```

```
[[router B12]]
model    = 7200
console  = 2012
aux      = 3012
g1/0     = ISP1 g3/0
g2/0     = C11 g2/0
g3/0     = B21 g3/0
```

```
[[router C11]]
model    = 7200
console  = 2013
aux      = 3013
g1/0     = B11 g2/0
g2/0     = B12 g2/0
```

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#####
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```
# Group 2
```

```
[[router B21]]
model    = 7200
console  = 2021
aux      = 3021
g1/0     = NREN1 g4/0
g2/0     = C21 g1/0
g3/0     = B12 g3/0
```

```
[[router B22]]
model    = 7200
console  = 2022
aux      = 3022
g1/0     = ISP1 g4/0
```

```
g2/0    = C21 g2/0
g3/0    = B31 g3/0
```

```
[[router C21]]
  model    = 7200
  console  = 2023
  aux      = 3023
  g1/0     = B21 g2/0
  g2/0     = B22 g2/0
```

```
#####
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```
# Group 3
```

```
[[router B31]]
  model    = 7200
  console  = 2031
  aux      = 3031
  g1/0     = NREN1 g5/0
  g2/0     = C31 g1/0
  g3/0     = B22 g3/0
```

```
[[router B32]]
  model    = 7200
  console  = 2032
  aux      = 3032
  g1/0     = ISP1 g5/0
  g2/0     = C31 g2/0
  g3/0     = B11 g3/0
```

```
[[router C31]]
  model    = 7200
  console  = 2033
  aux      = 3033
  g1/0     = B31 g2/0
  g2/0     = B32 g2/0
```

```
#####
```

```
# National REN 2
```

```
[[router NREN2]]
  model    = 7200
  console  = 2005
  aux      = 3005
  g1/0     = RREN g2/0
  g2/0     = ISP2 g2/0
  g3/0     = B41 g1/0
  g4/0     = B51 g1/0
  g5/0     = B61 g1/0
```

```
#####
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```
# ISP 2
```

```
[[router ISP2]]
  model    = 7200
  console  = 2006
  aux      = 3006
  g1/0     = IXP 2
  g2/0     = NREN2 g2/0
  g3/0     = B42 g1/0
  g4/0     = B52 g1/0
  g5/0     = B62 g1/0
```

#####

Group 4

```
[[router B41]]
  model    = 7200
  console  = 2041
  aux      = 3041
  g1/0     = NREN2 g3/0
  g2/0     = C41 g1/0
  g3/0     = B62 g3/0
```

```
[[router B42]]
  model    = 7200
  console  = 2042
  aux      = 3042
  g1/0     = ISP2 g3/0
  g2/0     = C41 g2/0
  g3/0     = B51 g3/0
```

```
[[router C41]]
  model    = 7200
  console  = 2043
  aux      = 3043
  g1/0     = B41 g2/0
  g2/0     = B42 g2/0
```

#####

Group 5

```
[[router B51]]
  model    = 7200
  console  = 2051
  aux      = 3051
  g1/0     = NREN2 g4/0
  g2/0     = C51 g1/0
  g3/0     = B42 g3/0
```

```
[[router B52]]
  model    = 7200
  console  = 2052
```

```
aux      = 3052
g1/0     = ISP2 g4/0
g2/0     = C51 g2/0
g3/0     = B61 g3/0
```

```
[[router C51]]
model    = 7200
console  = 2053
aux      = 3053
g1/0     = B51 g2/0
g2/0     = B52 g2/0
```

```
#####
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```
# Group 6
```

```
[[router B61]]
model    = 7200
console  = 2061
aux      = 3061
g1/0     = NREN2 g5/0
g2/0     = C61 g1/0
g3/0     = B52 g3/0
```

```
[[router B62]]
model    = 7200
console  = 2062
aux      = 3062
g1/0     = ISP2 g5/0
g2/0     = C61 g2/0
g3/0     = B41 g3/0
```

```
[[router C61]]
model    = 7200
console  = 2063
aux      = 3063
g1/0     = B61 g2/0
g2/0     = B62 g2/0
```

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Last update: **2016/01/17 03:44**

