

2. Настраиваем процесс OSPF номер 1 и помещаем в него все интерфейсы:

а) На Sw:

```
[Sw]ospf 1
[Sw-ospf-1]area 0
[Sw-ospf-1-area-0.0.0.0]
Mar 11 2014 20:36:15-05:13 Sw DS/4/DATASYNC_CFGCHANGE:OID
1.3.6.1.4.1.2011.5.25.191.3.1 configurations have been changed. The current
change number is 5, the change loop count is 0, and the maximum number of
records is 4095.
[Sw-ospf-1-area-0.0.0.0]network 0.0.0.0 255.255.255.255
```

б) На R1:

```
[R1]ospf 1
[R1-ospf-1]area 0
[R1-ospf-1-area-0.0.0.0]network 0.0.0.0 255.255.255.255
[R1-ospf-1-area-0.0.0.0]
Mar 11 2014 20:35:54+00:00 R1 %%01OSPF/4/NBR_CHANGE_E(1)[0]:Neighbor
changes event: neighbor status changed. (ProcessId=1, NeighborAddress=10.1.1.2,
NeighborEvent=HelloReceived, NeighborPreviousState=Down,
NeighborCurrentState=Init)
[R1-ospf-1-area-0.0.0.0]
Mar 11 2014 20:35:54+00:00 R1 %%01OSPF/4/NBR_CHANGE_E(1)[1]:Neighbor
changes event: neighbor status changed. (ProcessId=1, NeighborAddress=10.1.1.2,
NeighborEvent=2WayReceived, NeighborPreviousState=Init,
NeighborCurrentState=2Way)
[R1-ospf-1-area-0.0.0.0]
Mar 11 2014 20:35:54+00:00 R1 %%01OSPF/4/NBR_CHANGE_E(1)[2]:Neighbor
changes event: neighbor status changed. (ProcessId=1, NeighborAddress=10.1.1.2,
NeighborEvent=AdjOk?, NeighborPreviousState=2Way,
NeighborCurrentState=ExStart)
[R1-ospf-1-area-0.0.0.0]
Mar 11 2014 20:35:54+00:00 R1 %%01OSPF/4/NBR_CHANGE_E(1)[3]:Neighbor
changes event: neighbor status changed. (ProcessId=1, NeighborAddress=10.1.1.2,
NeighborEvent=NegotiationDone, NeighborPreviousState=ExStart,
NeighborCurrentState=Exchange)
```

```
[R1-ospf-1-area-0.0.0.0]
```

```
Mar 11 2014 20:35:54+00:00 R1 %%01OSPF/4/NBR_CHANGE_E(1)[4]:Neighbor  
changes event: neighbor status changed. (ProcessId=1, NeighborAddress=10.1.1.2,  
NeighborEvent=ExchangeDone, NeighborPreviousState=Exchange,  
NeighborCurrentState>Loading)
```

```
[R1-ospf-1-area-0.0.0.0]
```

```
Mar 11 2014 20:35:54+00:00 R1 %%01OSPF/4/NBR_CHANGE_E(1)[5]:Neighbor  
changes event: neighbor status changed. (ProcessId=1, NeighborAddress=10.1.1.2,  
NeighborEvent>LoadingDone, NeighborPreviousState>Loading,  
NeighborCurrentState=Full)
```

b) Ha R2:

```
[R2]ospf 1
```

```
[R2-ospf-1]area 0
```

```
[R2-ospf-1-area-0.0.0.0]network 0.0.0.0 255.255.255.255
```

```
[R2-ospf-1-area-0.0.0.0]
```

```
Mar 11 2014 20:36:02+00:00 R2 %%01OSPF/4/NBR_CHANGE_E(1)[0]:Neighbor  
changes event: neighbor status changed. (ProcessId=1, NeighborAddress=10.1.2.2,  
NeighborEvent>HelloReceived, NeighborPreviousState=Down,  
NeighborCurrentState=Init)
```

```
[R2-ospf-1-area-0.0.0.0]
```

```
Mar 11 2014 20:36:02+00:00 R2 %%01OSPF/4/NBR_CHANGE_E(1)[1]:Neighbor  
changes event: neighbor status changed. (ProcessId=1, NeighborAddress=10.1.2.2,  
NeighborEvent=2WayReceived, NeighborPreviousState=Init,  
NeighborCurrentState=2Way)
```

```
[R2-ospf-1-area-0.0.0.0]
```

```
Mar 11 2014 20:36:02+00:00 R2 %%01OSPF/4/NBR_CHANGE_E(1)[2]:Neighbor  
changes event: neighbor status changed. (ProcessId=1, NeighborAddress=10.1.2.2,  
NeighborEvent=AdjOk?, NeighborPreviousState=2Way,  
NeighborCurrentState=ExStart)
```

```
[R2-ospf-1-area-0.0.0.0]
```

```
Mar 11 2014 20:36:02+00:00 R2 %%01OSPF/4/NBR_CHANGE_E(1)[3]:Neighbor  
changes event: neighbor status changed. (ProcessId=1, NeighborAddress=10.1.2.2,  
NeighborEvent=NegotiationDone, NeighborPreviousState=ExStart,  
NeighborCurrentState=Exchange)
```

[R2-ospf-1-area-0.0.0.0]

Mar 11 2014 20:36:02+00:00 R2 %%01OSPF/4/NBR_CHANGE_E(1)[4]:Neighbor changes event: neighbor status changed. (ProcessId=1, NeighborAddress=10.1.2.2, NeighborEvent=ExchangeDone, NeighborPreviousState=Exchange, NeighborCurrentState=Loading)

[R2-ospf-1-area-0.0.0.0]

Mar 11 2014 20:36:02+00:00 R2 %%01OSPF/4/NBR_CHANGE_E(1)[5]:Neighbor changes event: neighbor status changed. (ProcessId=1, NeighborAddress=10.1.2.2, NeighborEvent=LoadingDone, NeighborPreviousState=Loading, NeighborCurrentState=Full)

[R2-ospf-1-area-0.0.0.0]

Mar 11 2014 20:36:05+00:00 R2 %%01OSPF/4/NBR_CHANGE_E(1)[6]:Neighbor changes event: neighbor status changed. (ProcessId=1, NeighborAddress=10.1.3.1, NeighborEvent=HelloReceived, NeighborPreviousState=Down, NeighborCurrentState=Init)

[R2-ospf-1-area-0.0.0.0]

Mar 11 2014 20:36:05+00:00 R2 %%01OSPF/4/NBR_CHANGE_E(1)[7]:Neighbor changes event: neighbor status changed. (ProcessId=1, NeighborAddress=10.1.3.1, NeighborEvent=2WayReceived, NeighborPreviousState=Init, NeighborCurrentState=2Way)

[R2-ospf-1-area-0.0.0.0]

Mar 11 2014 20:36:05+00:00 R2 %%01OSPF/4/NBR_CHANGE_E(1)[8]:Neighbor changes event: neighbor status changed. (ProcessId=1, NeighborAddress=10.1.3.1, NeighborEvent=AdjOk?, NeighborPreviousState=2Way, NeighborCurrentState=ExStart)

[R2-ospf-1-area-0.0.0.0]

Mar 11 2014 20:36:05+00:00 R2 %%01OSPF/4/NBR_CHANGE_E(1)[9]:Neighbor changes event: neighbor status changed. (ProcessId=1, NeighborAddress=10.1.3.1, NeighborEvent=NegotiationDone, NeighborPreviousState=ExStart, NeighborCurrentState=Exchange)

[R2-ospf-1-area-0.0.0.0]

Mar 11 2014 20:36:05+00:00 R2 %%01OSPF/4/NBR_CHANGE_E(1)[10]:Neighbor changes event: neighbor status changed. (ProcessId=1, NeighborAddress=10.1.3.1,

```
NeighborEvent=ExchangeDone, NeighborPreviousState=Exchange,
NeighborCurrentState>Loading)
[R2-ospf-1-area-0.0.0.0]
Mar 11 2014 20:36:05+00:00 R2
%%01OSPF/4/NBR_CHANGE_E(1)[11]:Neighbor changes event: neighbor status
changed. (ProcessId=1, NeighborAddress=10.1.3.1, NeighborEvent=LoadingDone,
NeighborPreviousState>Loading, NeighborCurrentState=Full)
```

Проверяем связность:

Ping с R1 на 1.0.0.2 работает:

```
<R1>ping 1.0.0.2
PING 1.0.0.2: 56 data bytes, press CTRL_C to break
Reply from 1.0.0.2: bytes=56 Sequence=1 ttl=255 time=10 ms
Reply from 1.0.0.2: bytes=56 Sequence=2 ttl=255 time=1 ms
Reply from 1.0.0.2: bytes=56 Sequence=3 ttl=255 time=1 ms
Reply from 1.0.0.2: bytes=56 Sequence=4 ttl=255 time=10 ms
Reply from 1.0.0.2: bytes=56 Sequence=5 ttl=255 time=1 ms

--- 1.0.0.2 ping statistics ---
5 packet(s) transmitted
5 packet(s) received
0.00% packet loss
round-trip min/avg/max = 1/4/10 ms
```

Ping с R1 на 1.0.0.3 работает:

```
<R1>ping 1.0.0.3
PING 1.0.0.3: 56 data bytes, press CTRL_C to break
Reply from 1.0.0.3: bytes=56 Sequence=1 ttl=254 time=2 ms
Reply from 1.0.0.3: bytes=56 Sequence=2 ttl=254 time=3 ms
Reply from 1.0.0.3: bytes=56 Sequence=3 ttl=254 time=8 ms
Reply from 1.0.0.3: bytes=56 Sequence=4 ttl=254 time=2 ms
Reply from 1.0.0.3: bytes=56 Sequence=5 ttl=254 time=7 ms

--- 1.0.0.3 ping statistics ---
5 packet(s) transmitted
```

5 packet(s) received

0.00% packet loss

round-trip min/avg/max = 2/4/8 ms