

Distribúcia multicastovej prevádzky

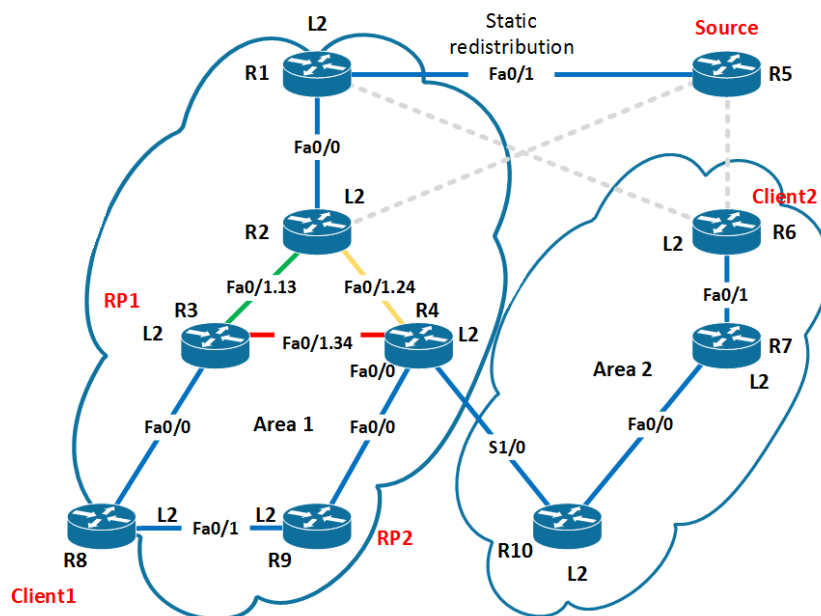
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1.1 Topológia

Budeme konfigurovať distribúciu multicastovej prevádzky so smerovacím protokolom IS-IS na topológii, ktorá je znázornená na obrázku 1. IP adresácia je uvedená v tabuľke 1 a dopĺňa grafické znázornenie topológie na obrázku 1.



Obr. 1: Topológia IS-IS

Tabuľka 1: IP adresácia

| Smerovač | Funkcia | Rozhranie | IP adresa | Maska |
|----------|------------------------|-----------|---------------|-----------------|
| R1 | L2 | Fa0/0 | 10.0.12.1 | 255.255.255.0 |
| | | Fa0/1 | 10.100.15.1 | 255.255.255.0 |
| | | Lo0 | 10.255.255.1 | 255.255.255.255 |
| R2 | L2 | Fa0/0 | 10.0.12.2 | 255.255.255.0 |
| | | Fa0/1 | 10.100.234.2 | 255.255.255.0 |
| | | Lo0 | 10.255.255.2 | 255.255.255.255 |
| R3 | L1/L2 | Fa0/0 | 10.1.38.3 | 255.255.255.0 |
| | | Fa0/1 | 10.0.234.3 | 255.255.255.0 |
| | | S1/0 | 10.2.39.3 | 255.255.255.252 |
| | | Lo0 | 10.255.255.3 | 255.255.255.255 |
| R4 | L1/L2 | Fa0/0 | 10.2.49.4 | 255.255.255.0 |
| | | Fa0/1 | 10.0.234.4 | 255.255.255.0 |
| | | S1/0 | 10.3.104.4 | 255.255.255.252 |
| | | Lo0 | 10.255.255.4 | 255.255.255.255 |
| R5 | Smerovač iného systému | Fa0/1 | 10.100.15.5 | 255.255.255.0 |
| | | Lo0 | 10.255.255.5 | 255.255.255.255 |
| R6 | L1 | Fa0/0 | 10.4.67.6 | 255.255.255.0 |
| | | Lo0 | 10.255.255.6 | 255.255.255.255 |
| R7 | L1 | Fa0/1 | 10.4.67.7 | 255.255.255.0 |
| | | S1/1 | 10.4.107.7 | 255.255.255.0 |
| | | Lo0 | 10.255.255.7 | 255.255.255.255 |
| R8 | L1 | Fa0/0 | 10.1.38.8 | 255.255.255.0 |
| | | Lo0 | 10.255.255.8 | 255.255.255.255 |
| R9 | L1 | Fa0/0 | 10.2.49.9 | 255.255.255.0 |
| | | S1/0 | 10.2.39.9 | 255.255.255.0 |
| | | Lo0 | 10.255.255.9 | 255.255.255.255 |
| R10 | L1/L2 | S1/0 | 10.3.104.10 | 255.255.255.0 |
| | | S1/1 | 10.4.107.10 | 255.255.255.0 |
| | | Lo0 | 10.255.255.10 | 255.255.255.255 |

1.2 Úlohy

1.2.1 Nakonfigurovať IS-IS