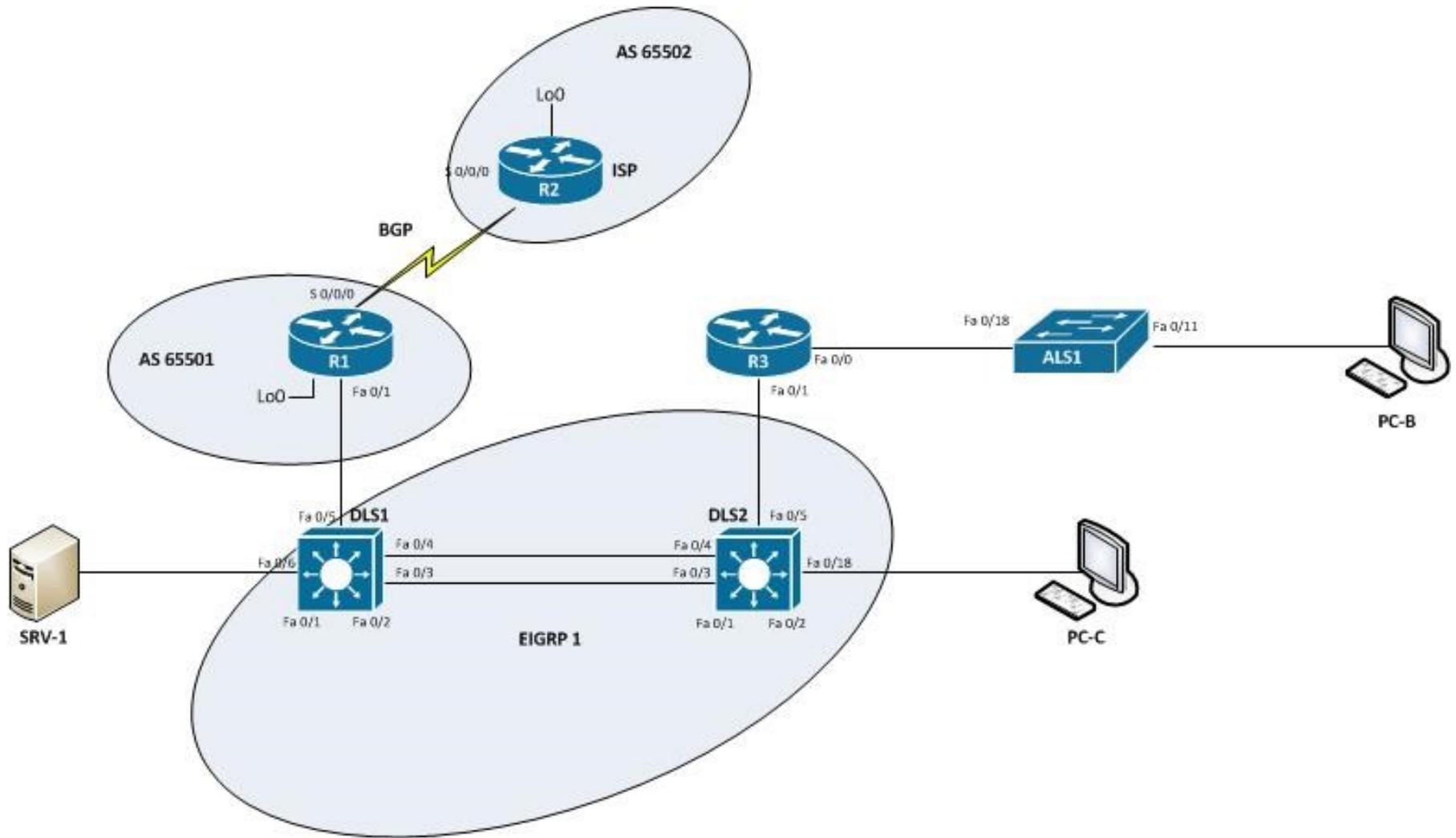# LAB: Module 7

Topology

Tasks

- **Prepare topology**

- **Start TFTP server on SRV-1 with config files**

- **Troubleshoot performance issues**

Trouble ticket Lab 7-1 TT-A

- Load appropriate config files: Lab71-%H-71-TT-A-Cfg
  - %H: hostname e.g. R1

- It is Monday morning and as soon as you enter your office at headquarters, you receive a call from your colleague from the branch office (R3 LAN). She tells you that client (PC-B) applications report errors while connecting to the corporate server (SRV1) for large file transfers (simulated by TTCP). Your colleague suspects that there is performance degradation on the R3 router and has run some tests to verify this. She also has the baseline performance tests to compare with.

- Another colleague who works the night shift has full access to the branch office devices. You suspect he might have made some configuration changes.

- Your task is to diagnose the branch office problems and correct them

Trouble ticket Lab 7-1 TT-B

- Load appropriate config files: Lab71-%H-71-TT-B-Cfg
  - %H: hostname e.g. R1

- After the ISP reconfigured BGP on router R2, you received complaints from branch office users on the R3 LAN about it being slow or having no connection at all to the partner servers outside the corporate network residing in the IP address block 172.20.0.0/16 (simulated by R2 Lo1).

- You have access to the R1 and R2 routers. Your task is to diagnose the problem and verify that BGP is properly configured to minimize the impact on internal routing performance for devices such as R3, DLS1, and DLS2.
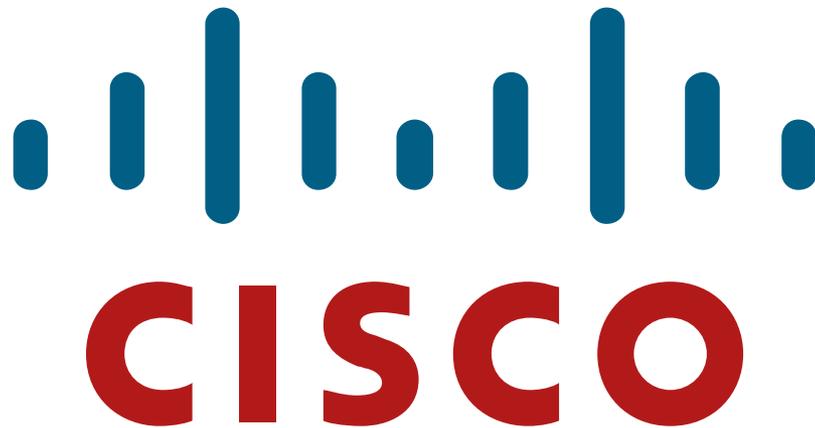
Lab created by Vladimír Veselý and Matěj Grégr for C3P

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