Overview

Corporate network for a software company with 3 branches (S1-Microcentro, S2-Palermo, S3-Recoleta) + central Redundancy Router (2901). Each branch uses Cisco 4331 routers. Full redundancy via serial ring + fiber links to Redundancy Router.

Addressing & VLANs

- S1 & S3: FLSM subnetting
- S2: VLSM subnetting
- Common VLANs in all branches:
    - MANAGEMENT_NET
    - STAFF_NET
    - WIFI_NET
    - SERVERS_NET
    - GUEST_NET

Connectivity & Redundancy

- Serial ring between branches
- Direct fiber to Redundancy Router
- GRE full-mesh tunnels between branches
- IPsec VPN tunnels from each branch to Redundancy Router

Internet Access

Distributed Services

- DNS: Redundancy Router
- DHCP: On all router
- FTP: S3
- Main Web (public): Internet

Security

- Inter-VLAN blocking (except towards SERVERS_NET)
- Allow same VLAN communication across sites
- ACLs

Topology: