**A Functional Bank Organizational Design with Network Technicalities**

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Nice — I’ll design a compact, Packet-Tracerable bank (HQ + 2 branches) with departments, employee counts, an IP/VLAN plan, device roles, and short sample configs (including multi-area OSPF). I’ll be concise and practical so you can build it in Packet Tracer immediately.

# **1 – High level topology**

* Sites: **HQ, BranchA, BranchB**
* Layers per site: **Edge Router** (internet / DMZ), **Core Router**, **Distribution Multilayer Switch (L3)**, **Access Switches (L2)**, + APs, IP Phones.
* WAN: point-to-point Gigabit (or serial) links from each branch core router to HQ core router.
* Routing: **OSPF multi-area**
  + Area 0 = backbone (HQ core & edge)
  + Area 10 = HQ LANs (connected to area 0)
  + Area 20 = BranchA LANs (connected to HQ via area 0)
  + Area 30 = BranchB LANs
* DMZ at HQ on edge router for external services (web, VPN, public portal). Use NAT + ACLs on Edge.

# **2 – Departments & employee counts (example regional bank)**

(Counts chosen to be realistic for modeling traffic / VLAN sizing)

* **Retail Banking (tellers, account clerks)** – HQ: 30, Branches 12 each
* **Corporate Banking / Relationship Managers** – HQ: 20, Branches 4 each
* **Operations (back office, clearing)** – HQ: 25
* **IT / Network / SysAdmin** – HQ: 8
* **Security / Fraud / Compliance** – HQ: 10
* **Treasury / Trading** – HQ: 8
* **Call Center / Customer Support** – HQ: 20 (or distributed)
* **HR / Finance / Legal / Admin** – HQ: 15
* **Facilities & Branch Ops** – Branches 8 each
* **Total approximate**: HQ ~136, Branches ~24 each 🡪 ~184 employees