



TERMS OF REFERENCE

Post: Network Administrator

Section: Information Technology

Salary: MVR 19,100.00 – 21,800.00

Attendance Allowance: MVR 100.00 per working day

Employment Type: Permanent

RESPONSIBILITIES, DELIVERABLES, SKILLS AND COMPETENCIES:

Cisco Nexus (Multi-Datacenter)

- **Platforms:** Nexus 9000, 7000, 3000 series with NX-OS.
- **Key technologies:**
 - vPC (Virtual Port Channel) for multi-homing.
 - FabricPath or VXLAN BGP EVPN for fabric extension between datacenters.
 - OTV (Overlay Transport Virtualization) or VXLAN for L2 extension (if required).

BGP – Multi-Datacenter Design & Operations

- eBGP / iBGP between two datacenters (e.g., DC1 ↔ DC2).
- BGP attributes: AS-path prepend, MED, Local Pref, Community strings for traffic steering.
- Multihoming: BGP with two different upstream ISPs at each datacenter.
- Route reflectors for iBGP scalability.
- BGP troubleshooting & BGP Security
- Cisco Catalyst/Enterprise switches (non-Nexus): STP, VLANs, port security.
- Huawei managed switches: S-series/CloudEngine.

Routing Architecture – Specific Requirements

- Design and maintain:
- Traffic engineering: ex: server-to-server traffic between DCS uses optimal Nexus BGP path.
- Failover: Config BGP fast convergence (BFD, timers).

Teamwork

- Assist junior staff in setup and installation of network devices, ex CCTV cameras, Access Control system.
- Assist junior staff in installation and managing security endpoints, firewall configurations.

QUALIFICATIONS AND EXPERIENCE:

- Completion of MQA Level 5 qualification in Information Technology or relevant, and 5 years of experience in Information Technology or Managed Network administration.
- Completion of MQA Level 7 qualification in Information Technology or Certification in Cisco: CCNA/CCNP or CCNP Enterprise or CCIE Data Center, Fortinet: NSE 4 (NSE 5–7 preferred for SD-WAN), Huawei: HCIA/HCIP (Routing & Switching) or relevant, and experience in Managed Network administration will be an added advantage.