



Issued on: 10 October 2017

Deadline For Application: 24 October 2017

JOB TITLE: Network Administration

TYPE OF CONTRACT: PSA.SBS

DUTY STATION: Rome, HQ

ORGANIZATIONAL UNIT: INFORMATION TECHNOLOGY DIVISION (CIO)

DURATION: Up to 11 months

*FAO seeks gender, geographical and linguistic diversity in its staff and international consultants in order to best serve FAO Members in all regions.*

**Qualified female applicants and qualified nationals of non-and under-represented member countries are encouraged to apply.**

**Persons with disabilities are equally encouraged to apply.**

**All applications will be treated with the strictest confidence.**

## Organizational Setting

The Information Technology Division (CIO) is responsible for all IT activities within the Organization. CIO performs on behalf of the Organization the following critical roles: defining FAO IT policies and providing strategic advice on IT architecture and standards, governance, policy and operational matters while monitoring organizational compliance; defining the mechanisms for managing FAO's information and data; protecting FAO's information assets and ensuring confidentiality, integrity and availability; ensuring provision of IT services that are core for the Organization's global operations and supporting the information and business processes; coordinating organization-wide IT activities in order to reduce duplication and fragmentation and to increase integration of information data, systems and platforms, mobilizing IT resources from across the Organization.

## Reporting Lines

Under the direct supervision of the Information Technology Officer (IT Services), the consultant will act as Network Administrator performing the following functions.

## Technical Focus

The Network Administrator will be responsible for the correct operation and management of the global telecommunications infrastructure of the organization.

## Tasks and responsibilities

- Performing daily operational monitoring and housekeeping activities such as VLAN and firewall rule management, log reviews, firmware updates, network cabling reviews, device inventory, core infrastructure optimization, etc.
- Installing, configuring and managing network and communications devices and keep the configuration and technical documentation up-to-date to ensure the correct operation and support of the global network and communications infrastructure
- Ensuring capacity planning and project activities involving global network and communications infrastructure are fit for purpose by providing technical guidance as needed
- Proposing and implementing system enhancements, including software and hardware updates that will improve performance, reliability, and scalability of the network.
- Managing individual network projects within the scope of the Network Team and FAO's ICT initiatives.
- Ensuring all network monitoring & management tools remain up to date.
- Ensuring automatic backup of all network device configurations.
- Monitoring the technology and/or methodology trends and supporting the teams to apply these within the FAO's environment.
- Performing second and third level support on the global network infrastructure for all users in HQ and in decentralized offices.
- Raising and following cases with vendor TAC Support as required.
- Liaising with ISPs in order to resolve contract and performance issues on WAN Links.
- Promoting improvements to, and contributing to the security of, the network infrastructure by adopting best-practices, emerging technologies and high security standards
- Contributing to the technical growth of the team and draft technical/operational documentation to maintain the operational framework up-to-date
- Any other duties as required

All work will be undertaken in compliance with the appropriate organizational standards and procedures and all IS/ICT products will conform to IT divisional technical, security and quality standards.

## CANDIDATES WILL BE ASSESSED AGAINST THE FOLLOWING

### Minimum Requirements

- University degree or relevant educational certification in Computer Science, IT Engineering, Professional Software Engineer or closely related discipline.
- Working knowledge of English
  
- At least 7 years of proven experience deploying and managing large-scale global telecommunication networks, with focus on performance optimization and scalability

### FAO Core Competencies

- Results Focus
- Must be able to perform individually with minimum supervision and work well in a team
- Excellent communication and organizational skills
- Ability to prioritize tasks based on urgency and manage time accordingly
- Knowledge Sharing and Continuous Improvement

### Technical/Functional Skills

- At least 7 years of experience managing and configuring multi-vendor network environments (Cisco, Juniper, Exinda and Big-IP F5 devices, routers, switches firewalls, network optimizers, etc.)
- Excellent knowledge and extensive experience with Layer 2 protocols such as, but not limited to, MAC, VLAN, ARP, STP, VTP, DTP, CDP, LACP, PAGP, PPP, 802.11
- Excellent knowledge and extensive experience with Layer 3 protocols such as but not limited to OSPF, EIGRP, BGP, MPLS, VPN, IPv4, IPv6, VPN
- Excellent troubleshooting skills at the network layer as well as the application layer. Ability to perform packet capture and analysis is expected
- Advanced scripting skills in Python and/or Perl, knowledge of Ansible a plus.
- Experience in managing Radius
- Good understanding of firewalls and security concepts.
- Hands-on experience with network management and monitoring, diagnostic and network analytics
- Extent and relevance of experience in supporting information technologies and communications within large-scale LAN and WAN environments
- ITIL certification and at least 2 certifications from a recognized organization (i.e. Cisco CCNP/CCDP, JNCIP, F5 CTS-LTM)

### Selection Criteria

- years of experience
- field of work and area of specialization
- education
- language
- assessments through interview

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Please note that all candidates should adhere to *FAO Values of Commitment to FAO, Respect for All and Integrity and Transparency*.

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### ADDITIONAL INFORMATION

- All applications will be reviewed and qualified applicants will be contacted for interviews.
- FAO does not charge a fee at any stage of the recruitment process (application, interview meeting, processing).
- Incomplete applications will not be considered. If you need help, or have queries, please contact: [iRecruitment@fao.org](mailto:iRecruitment@fao.org)
- Applications received after the closing date will not be accepted.
- Only language proficiency certificates from UN accredited external providers and/or FAO language official examinations (LPE, ILE, LRT) will be accepted as proof of the level of knowledge of languages indicated in the online applications.
- For other issues, visit the FAO employment website: <http://www.fao.org/employment/home/en/>

### HOW TO APPLY

To apply, visit the iRecruitment website at <http://www.fao.org/employment/irecruitment-access/en/> and complete your online profile. Only applications received through iRecruitment will be considered.

Candidates are requested to attach a letter of motivation to the online profile.

Vacancies will be removed from iRecruitment at 23:59 Central European Time (CET) on the deadline for applications date. We encourage applicants to submit the application well before the deadline date.

If you need help, or have queries, please contact: [iRecruitment@fao.org](mailto:iRecruitment@fao.org)

