



REQUEST FOR EXPRESSIONS OF INTEREST
SENIOR NETWORK ENGINEER CONSULTANT



Country: The Commonwealth of The Bahamas

Supporting Institution: Inter-American Development Bank

Programmes: Program to Support the Health Sector to Contain and Control Coronavirus and to Mitigate its Effects in Service Provision & Programme to Support the Health System Strengthening of The Bahamas

Project Number: BH-L1053 & BH-L1055

Loan Number: 5179/OC-BH & 5296/OC-BH

Sector: Health

Deadline: 30 November 2022

Consultancy: Senior Network Engineer

Consultancy Location: Nassau, The Bahamas

Reports to: IS4H Programme Lead – Ministry of Health & Wellness

The Ministry of Health and Wellness (MOHW) of The Bahamas has received financing from the Inter-American Development Bank (IDB), toward the cost of the Program to Support the Health Sector to Contain and Control Coronavirus and to Mitigate its Effects in Service Provision & the Programme to Support the Health System Strengthening of The Bahamas and intends to apply part of the proceeds for the consulting services of a Senior Network Engineer Consultant. The successful individual will work as a part of the MOHW on a contractual basis and report to the IS4H Programme Lead (or other designated alternate). The successful individual will also work collaboratively with other leaders from across the Ministry of Health and national health system stakeholders, as well as with other ministries and international partners. The successful individual will be responsible for the design, implementation, maintenance, and support our growing network infrastructure at our agencies. You will be responsible for designing and developing scalable, maintainable, highly available network architectures that meet growing needs of the public sector. You will work with Vendors, Cyber Security experts, Software Developers and Project Managers. In this role, you should be a team player with a keen eye for detail, problem-solving skills, and a passion for digital transformation through technology. This contract is expected to be completed in a twenty-four-month period starting in January 2023.

Main Responsibilities:

The main objective of this consultancy is to support the digital transformation activities of the IS4H Project Team through the design, implementation and maintenance of network infrastructure. The IS4H Team comprises information and communications technology experts and is led by the Information Systems for Health Programme Lead under guidance from the National IS4H Steering Committee and the Office of the Chief Medical Officer in the Ministry of Health & Wellness. The consultant will ensure the highest level of software delivery and will:

- Architect level planning and implementation for complex network designs
- Stay on top of industry trends and lead the public sector in new ideas, processes, and best practices to continuously improve what we do and ensure our public servants and citizens experience is the best it can be
- Manage several simultaneous projects from conception through implementation, ensuring consensus with a number of technical stakeholders
- Partner with vendors to select appropriate technical solutions and implement them across the public sector
- Contribute to standards and design patterns and deliver solutions tailored to internal business requirements
- Articulate design rationale, flexibly adapt solutions, and iterate designs when required to leadership
- Develop specific multi-year roadmaps for solutions in the Enterprise network for the public sector
- Develop state of the art technology appropriate to deliver stable and scalable technical solutions
- Lead the development of highly innovative products/solutions, achieved through collaboration and dialogue with other experts
- Mentor and train colleagues in complex network topics to support the organizational needs

The Successful Candidate will have the following skills:

- **Education:** A minimum of a BSc degree in Computer Science, Information Systems, or equivalent education or work experience
- **Experience:** Minimum of 5 years of proven experience as a Network Engineer or similar role.
- **Languages:** Advanced writing, communication, and presentation skills in English
- **Core and Technical Competencies:** A minimum of 5 years of experience in routing and switching technologies, and network hardware. A minimum of years of scripting or coding experience with one or more languages related to Network Automation. A minimum of 3 years of experience in Routing, Switching, Firewall and WiFi. Detailed knowledge of network (BGP,OSPF), transport (TCP,UDP) and application layer protocols (HTTPS, DNS, DHCP). Familiarity with enterprise networking technologies such as load balancers, WAF and corporate WiFi. Experience in low latency trading, including the use of low latency network devices, FPGA, DWDM/dark fiber, multicast, wireless/radio technologies is a distinct advantage. Demonstrable experience with a range of cloud capabilities including but not limited to virtual networking, network automation, virtual machines, access management and automated deployments. Experience in enterprise security, such as zero trust networks, network access control, next generation firewalls, and related technologies is a distinct advantage. Ability to make decisions with limited information. Ability to act independently and manage project milestones and deliverables. Excellent verbal and written communication skills. Resourcefulness and troubleshooting aptitude. Ability to pay keen attention to detail. Cooperative and willing to assist others and work in a team environment. Observe and maintain confidentiality.

The Ministry of Health & Wellness now invites eligible Consultants to indicate their interest in providing the Services. Interested Consultants should provide information demonstrating that they have the required qualifications and relevant experience to perform the Services. Consultants will be selected under the National Competitive Bidding Selection procedures set out in the IDB's: Policies for the Selection and Contracting of Consultants financed by the IDB and it is open to all eligible bidders as defined in these policies. Only Short-Listed Individuals will be contacted.

Further information can be obtained by e-mail: MOHWPEU@BAHAMAS.GOV.BS. All CVs and qualification documents must be submitted Re: **IS4H Senior Network Engineer Consultant** to the following e-mail address: MOHWPEU@BAHAMAS.GOV.BS on or before 5:00 pm on **30 November 2022**.