



DEPARTMENT OF COMMUNICATION AND INFORMATION

JOB DESCRIPTION

1. IDENTIFICATION

	POSN. NO: 0580000084	REF. NO: ICDT.78
DEPARTMENT: Information and Communication Technology	DESIGNATION/CLASSIFICATION: Cloud Engineer (DEVOPS)- PS 14	
OFFICE/AGENCY:	LOCAL DESIGNATION: Cloud Engineer (DEVOPS)	
DIVISION Digital Government & Information Delivery Wing	IMMEDIATE SUPERVISOR: Manager Digital Government and Shared Services	POS. NO: 0580000084
BRANCH: Digital Government Delivery	HIGHEST SUBORDINATE	
SECTION:	LOCATION Waigani	

HISTORY OF POSITION

FILE NO.	DATE OF VARIATION	DETAILS
Org.	17.03.2021	No change

2. PURPOSE

Cloud Engineer is responsible for designing, implementing and managing cloud-based system of the government.

3. DIMENSIONS

Financial: Division annual budget	NO. OF STAFF SUPERVISED 0	OTHER RESOURCES Other Resources: Capital assets of the Department.
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4. PRINCIPAL ACCOUNTABILITIES

4.1 Cloud Engineer must ensure government platform is up and running and it meets the standard. The incumbent must provide update on the cloud implementations of key activities and project in alignment to the Core function of Department of ICT. Also involved in internal and external discussions with Vendors and Partners in relation to the access network infrastructure for whole of government.

5. MAJOR DUTIES

5.1 Design cloud infrastructure that is secure, scalable and highly available on AWS

5.2 Ensure configuration and maintain AWS Cloud infrastructure define as code.

5.3 Administer and troubleshoot Linux based system

5.4 Troubleshoot problems across a wide array of services and functional areas.

5.5 Build and maintain operational tools for deployment, monitoring, and analysis of AWS infrastructure and systems

5.6 Perform infrastructure cost analysis and optimization

6. NATURE AND SCOPE

- The Cloud Engineer reports to the Manager of Digital Government and Shared Services and is responsible for creating and maintaining cloud platform for the whole of the government. Offer support to the government departments and must have strong troubleshooting skills.
- Responsible for the cloud platforms and software for the government agencies.
- Provide and maintain documentations during implementation on the cloud platform.

WORKING RELATIONSHIPS

Internal

- Consult Manager Digital Government Shared Services on operational and projects update and administrative matters.
- Consult with other Branch Managers on appropriate matters.
- Consult with Division head providing advice and scope of work.

WORK ENVIRONMENT

- The Cloud Engineer would generally be a cloud specialist to provides update on the cloud platforms aligning to the Core function of Department of ICT. Also involved in internal and external discussions with Vendors and Partners in relation to the cloud services for whole of government.

7. CONSTRAINTS FRAMEWORK AND BOUNDARIES

Rules and Procedures

The Officer is guided by the;

- Government budget control measures,
- ICT and other relevant government development policies including MTDP 3,
- Public sector reforms,
- Public Service Code of Ethics and Conduct,
- ICT legislations and other relevant laws and regulations.

Decision

- Nil

Recommendation

- Nil

8. CHALLENGES

- Security
- Lack of resources
- Work culture, values and ethics.
- Negative work practices and behavior.

9. QUALIFICATIONS, EXPERIENCES AND SKILLS

Qualifications

- Must possess Degree in IT/Computer Science, Networking/Telecommunication or equivalent

Knowledge

- Must have knowledge in Cloud, Network Infrastructure, security, programing and application platforms.
- Good knowledge of JavaScript, Ruby or Python, PHP
- Working knowledge of Database, SQL, MySQL or SQL Server

Skills

- Problem Solving attitude
- Collaborative team spirit
- Excellent attention to detail
- Logical thinking skills
- Ability to use your initiative

Experience

- 3 or more years of experience in the networking field or similar role.