

Techie Bazaar

<https://www.techiebazaar.com.au/job/infrastructure-engineer/>

Infrastructure Engineer

Description

Infrastructure Engineers implement, manage and retire the infrastructure (including physical, virtual, networking and cloud infrastructure) that supports digital services.

ASD requires a **System Administrator** to provide system administration support under general direction in a key capability domain.

Defence: LH-01132

Responsibilities

Key duties and responsibilities

- lead the installation, configuration and sustainment of Linux based ICT infrastructure (physical and cloud based), including servers and/or network devices
- use automation tools such as Puppet, Ansible and others to prepare and replicate system builds
- configure and sustain core services for systems including monitoring, syslog or authentication
- maintain reliability of ICT infrastructure – this includes configuration automation, upgrading and patching, monitoring; along with utilising version control systems
- communicate with diverse stakeholder groups in technical and business process terms
- maintain technical documentation in accordance with industry standards
- contribute to the preparation of software implementation procedures, including contingency plans
- monitoring operational systems for usage and failure rates, resolving issues as they arise

Technical skills

Apache NIFI; Atlassian software; application management software and tools

Qualifications

TSPV clearance is a must.

Experience

1. Availability management: Level 4 (SFIA)

Analyses service and component availability, reliability, maintainability and serviceability. Contributes to the availability management process and its operation. Performs defined availability management tasks. Ensures that services and components meet and continue to meet all of their agreed performance targets and service levels. Implements arrangements for disaster recovery and documents recovery procedures. Conducts testing of recovery procedures.

2. IT infrastructure: Level 4 (SFIA)

Provides technical expertise to enable the correct application of operational procedures. Contributes to the planning and implementation of infrastructure

Hiring organization

Defence

Beginning of employment

6 January 2025

Duration of employment

12 months with 1 extension of 12 months

Job Location

ACT

Valid through

02.12.2024

maintenance and updates. Implements agreed infrastructure changes and maintenance routines. Uses infrastructure management tools to determine load and performance statistics. Configures tools and/or creates scripts to automate the provisioning, testing and deployment of new and changed infrastructure. Maintains operational procedures and checks that they are executed following agreed standards. Investigates and enables the resolution of operational issues. Provides reports and proposals for improvement, to specialists, users and managers.

3. Problem management: Level 3 (SFIA)

Investigates problems in systems, processes and services. Assists with the implementation of agreed remedies and preventative measures.

4. Programming/software development: Level 2 (SFIA)

Designs, codes, verifies, tests, documents, amends and refactors simple programs/scripts. Applies agreed standards and tools to achieve a well-engineered result. Reviews own work.

5. Systems design: Level 4 (SFIA)

Designs system components using appropriate modelling techniques following agreed architectures, design standards, patterns and methodology. Identifies and evaluates alternative design options and trade-offs. Creates multiple design views to address the concerns of the different stakeholders and to handle functional and non-functional requirements. Models, simulates or prototypes the behaviour of proposed system components to enable approval by stakeholders. Produces detailed design specifications to form the basis for the construction of systems. Reviews, verifies and improves own designs against specifications.

6. Systems installation and removal: Level 4 (SFIA)

Undertakes or supervises complex installations and de-installations of systems or components, including handover to the client. Develops procedures and standards for installation and handover to maintain and improve the installation service. Schedules installation work around client priorities and resource availability. Ensures adherence to established safety and quality procedures.