Case study:
Oracle DevOps for a South Pacific Bank

The Opportunity

Operating across seven countries (PNG, Vanuatu, Fiji, Tonga, Samoa, Cook Islands and Solomon Islands), this South Pacific Banks aging banking IT infrastructure was unable to support its future digital strategy and had limited capabilities to support rapidly changing requirements.

Seeking to reduce risk to the organisation and plan for future banking capabilities, Sida4 (as 4impact) was engaged.

Our Approach

To achieve the objectives of the project and significantly reduce ongoing operational costs, we developed and implemented a DevOps infrastructure-as-code (IaC) solution. This would scale and ensure configuration consistency across multiple environments necessary for seven countries, each requiring their own Software Development Life Cycle.

Key Services utilised

- Program, Project and Iteration Management
- Environment & Release Management
- Architecture (Network and Infrastructure)
- Technical analysis
- Oracle specialists
- DevOps (automation)

Key Technologies utilised

- Jira
- Confluence
- Gitlab
- Puppet
- CD4PE
- Nexus
- Docker & Kubernetes
- Oracle Ops Center, and Key Vault
- F5 API's
- AD LDAP

Key Toolkit

- Agile ways of working
- Puppet Forge
- Gitflow branching model
- Various Development Best Practice guidelines (Puppet, IaC, Git, etc)
- Center for Internet Security (CIS) Benchmarks

NOTE: NOTE: This project was originally delivered under the 4impact brand and is now represented by their *data enablement and integration* focused sister company, Sida4.

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Key Outcomes and deliverables:

Improved availability of systems and ongoing reduced cost of IT through the provision and configuration of new infrastructure environments, regular enforcement of expected configuration state, and regular release and deployment of changes across environments.

- Improved reliability by reducing human error and ensuring environment consistency.
- Reduced cost and maintenance overhead by automating patching and deployments.
- Faster and more reliable implementations of future environments/countries.
- Enhanced security by overriding unwanted changes.
- Improved flexibility and agility by adopting changes quicker.
- Reduced risk by enabling more granular DR scenarios.

Key project statistics and success insights:

IMPROVED

SYSTEMS AVILABILITY AND OPERATIONAL UPTIME

SCALABLE

CODE BASED INFRASTRUCTURE SOLUTION

REDUCED

ONGOING IT COSTS AND SYSTEMS DOWNTIME

FASTER

IMPLEMENTATIONS FOR MULTIPLE ENVIRONMENTS

FUTURE PROOFED

FLEXIBLE AND AGILE SOLUTION WITH REDUCED RISKS

ORACLE DevOps

Sida4 and 4impact

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