



Case Study:

Bureau of Meteorology (BOM)

PowerData Group (PDG) helped BOM on a Robust program of work.

Client

Bureau of Meteorology, Melbourne.

Challenge

The ROBUST is a complex, mission critical, large scale programs of work represents the strategic approach to address the long-term security, stability and resilience of the Bureau's ICT systems.

As part of Infrastructure stream new infrastructure has been setup on premises (Main Data Centre, DC and Eastern DC) and Clouds (AWS and Azure) to support Bureau's security program.

This is multi-vendor project delivering security, data centre, offices and Hubs, networks (WANs, NTP, DNS, DHCP and IPAM), clouds and system administration capabilities. PDG has been involved in vendor governance and conducting system integration testing and user acceptance testing in co-ordination with engineers and technical SMEs across different releases

- Work closely with vendor to identify and manage test deliverables that include many integrated systems, various stakeholders and multiple vendor teams.
- Conduct different levels of testing including Failover, Disaster recovery of Data Centres and infrastructures (on premise and cloud)
- Plan and execute testing across cloud (AWS and Azure), networks (WANs, NTP, DNS, DHCP and IPAM) and system administration capabilities (PAM, IDAM, AD), Service Now-Develop and updated Detail Requirement Specification (DRS).
 - Sign off by business governance group for system's GAPs and Improvements.
 - Update the Current Requirements (Caliber) to optimize business needs and project outcomes.

The Outcome

Type of testings: System testing (ST), System Integration testing (SIT), Security Testing, User Acceptance Testing (UAT), Technical/ Production Verification Testing (TVT/PVT), Failover, Disaster Recovery (DR), Factory Acceptance Testing (FAT).

Tools/Technology: Microfocus ALM, Jira, Zephyr, Confluence, AWS, Azure Cloud, AAD (Azure Active Directory), NTP (Network Time Protocol), Nutanix, VMware, Dell Open Manager, Data domains, Palo Alto Firewalls, DNS, Service Now, SolarWinds, Panorama.

Our Work

- Lead, plan, execute and manage delivery of infrastructure security projects for Bureau's Robust program.
- Contribute to the Bureau's test capability uplift through active participation in ROBUST strategic and tactical test initiative planning and implementation.
- Develop master test plans for respective delivery streams
 - Networks, Data Centre, Cloud and Security.
- Plan E2E SIT and UAT test scenarios, execute and raise defects.

Contact

501 Dandenong Road
Armadale, VIC. 3143
+61 3 9507 2052
info@powerdatagroup.com.au

