

ROWS in Cloud

Migrating MDBA's Delft-FEWS to Azure
Cloud

4 June 2021



Australian Government

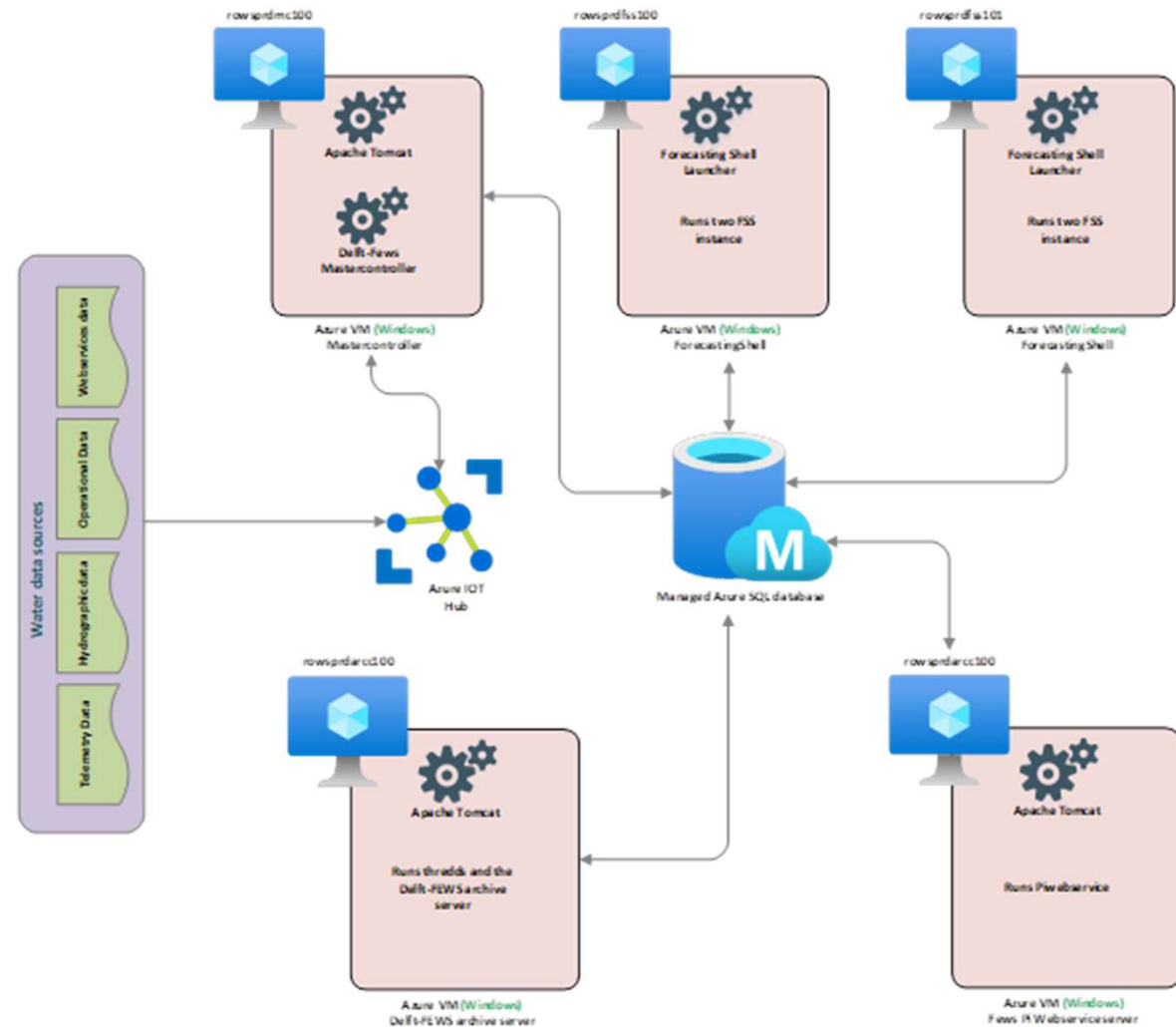


Business needs

- Ageing “on-premise” infrastructure
- Reduce the cost of ownership
- Application resilience and scalability
- Regionalisation and Business agility

Guiding Principles

- Re-architected for the cloud
- Design for failure and minimise single point of failure
- Autoscaling and on demand provisioning
- Utilise managed services
- Design for evolution



Azure Environment

- Data centre in Sydney
- Two Managed Database instances
- Two identical virtual environments
- Network isolated
- OC with DDA access

Implementation

- Created test system in non-prod environment
- Testing 2021.01 for ~ 1 month
- Created prod environment
- Final Database migration

Project Lessons and Outcomes

- Re-architected for the cloud
 - Template driven infrastructure (both Vm's and Delft-FEWS applications)
- Utilise managed services
 - Using Azure file storage
 - Managed database instances
- Design for evolution
 - We can role-out additional services quickly
- ~~Design for failure and minimise single point of failure~~
- ~~Autoscaling and on demand provisioning~~

Thank you.

Office locations

Adelaide
Albury-Wodonga
Canberra
Goondiwindi

Griffith
Mildura
Murray Bridge
Toowoomba

 mdba.gov.au  1800 630 114

 engagement@mdba.gov.au



Australian Government

