

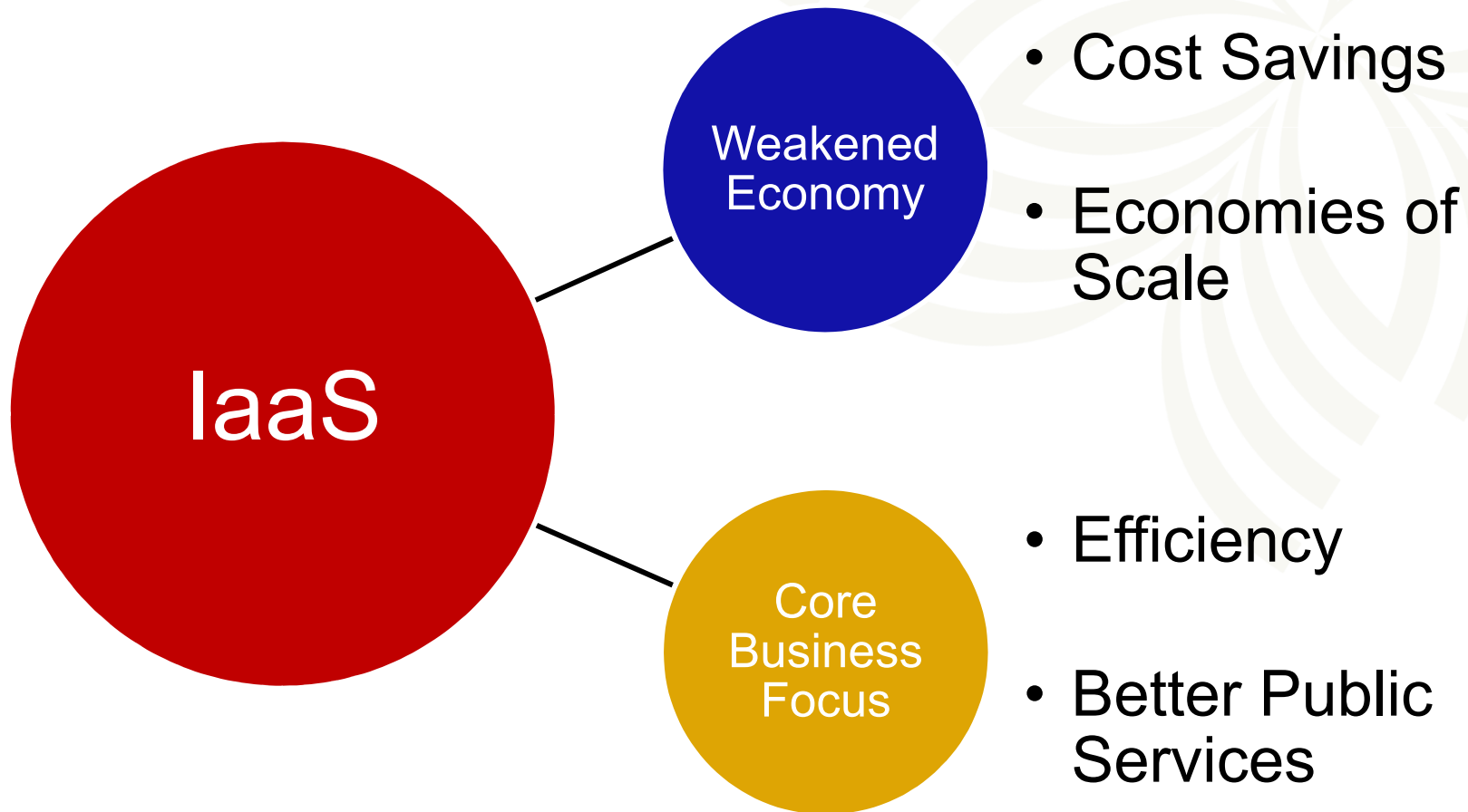


Adoption of Infrastructure-as-a-Service (IaaS) at the National Library of New Zealand

Archiving 2013. April 4. Washington D.C., U.S.A.

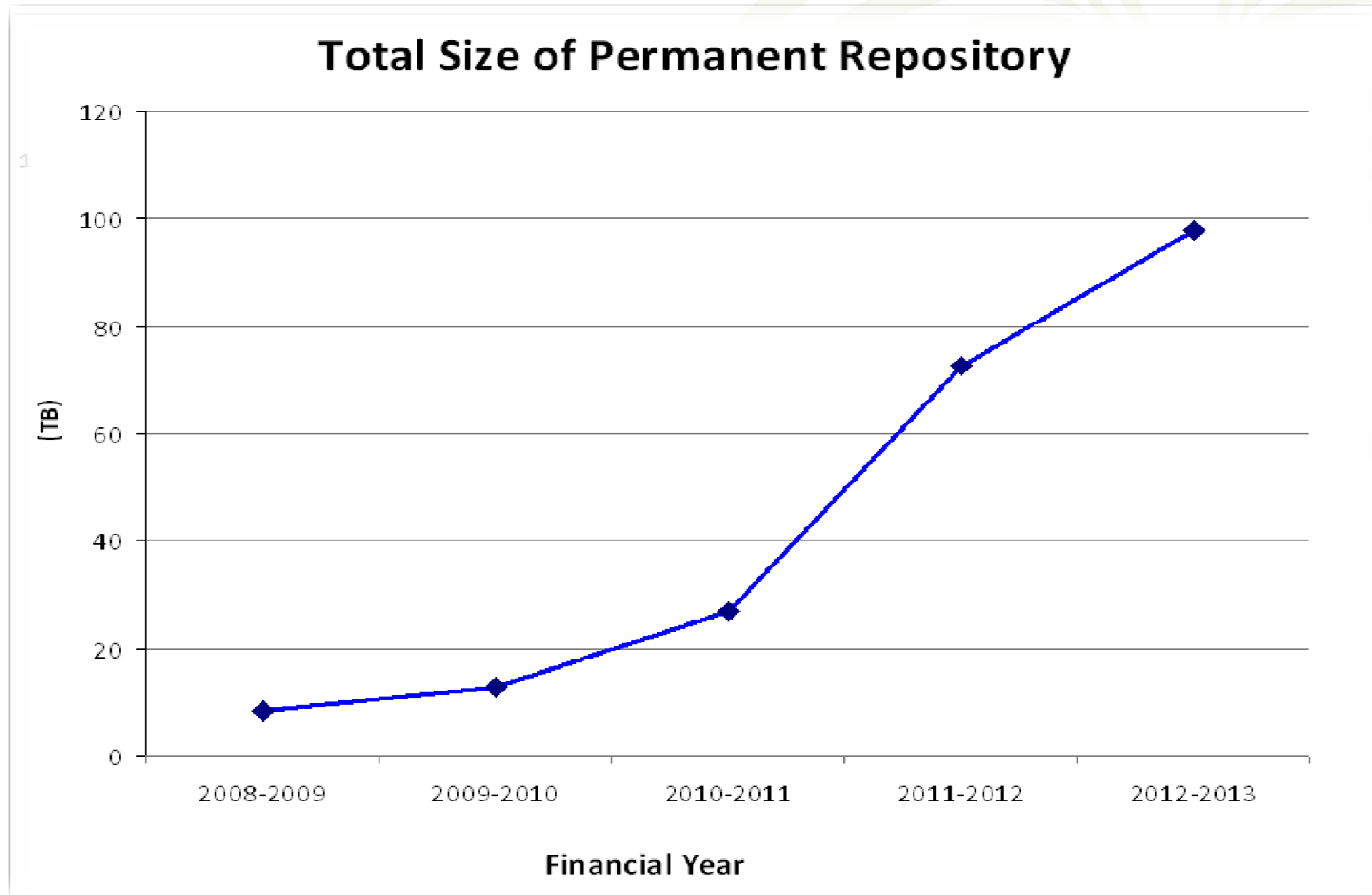
Drivers: NZ Government

National Digital Heritage Archive Programme



Drivers: National Library NZ

National Digital Heritage Archive Programme



Providers & Stakeholders

National Digital Heritage Archive Programme



Providers

- Internal: Government Technology Services (GTS) / Department of Internal Affairs (DIA)
- External: Revera Limited

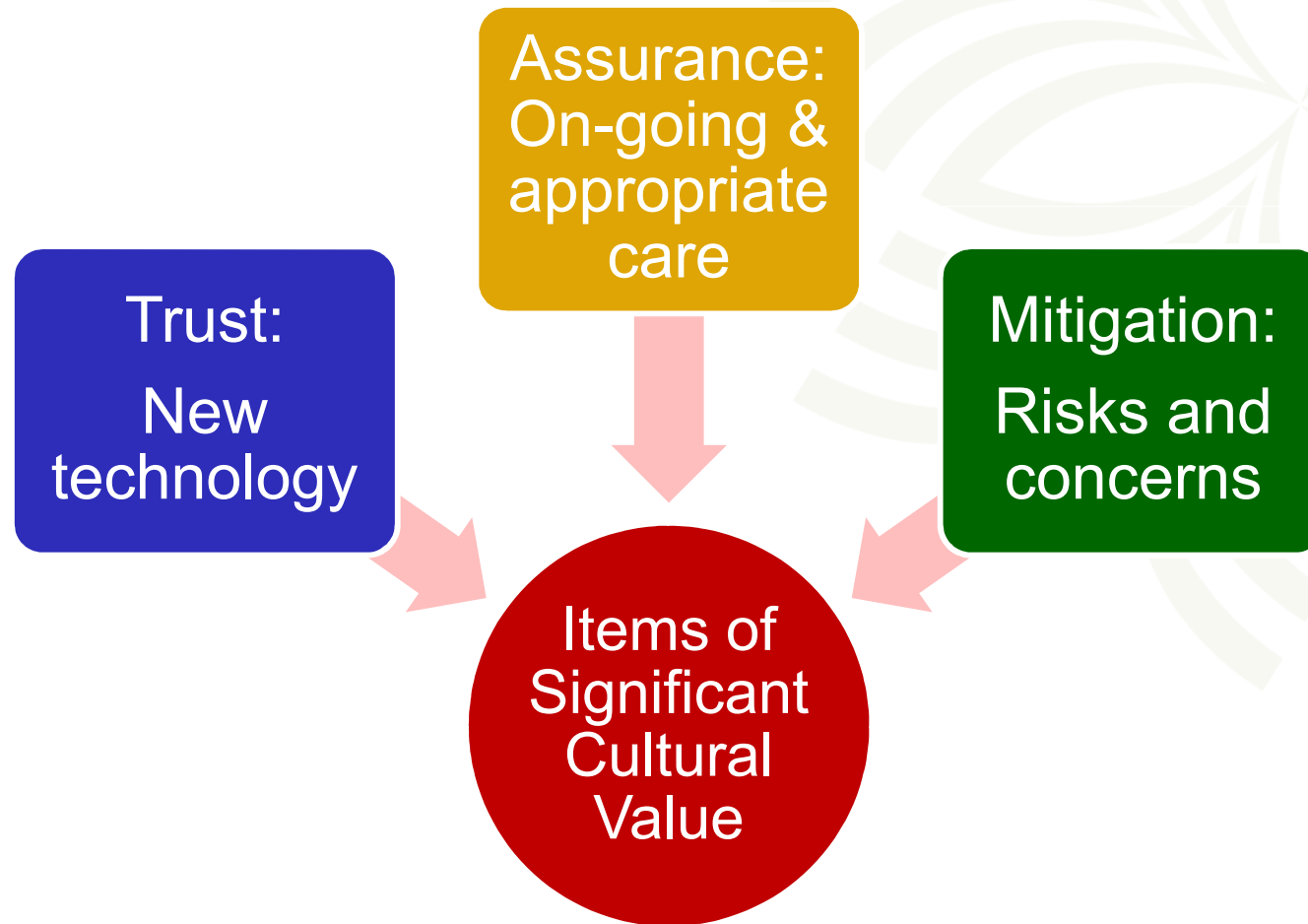


Stakeholders

- National Library Leadership Team
- Guardians Kaitiaki of Alexander Turnbull Library
- Te Komiti Maori
- LIAC
- Internal Library business units

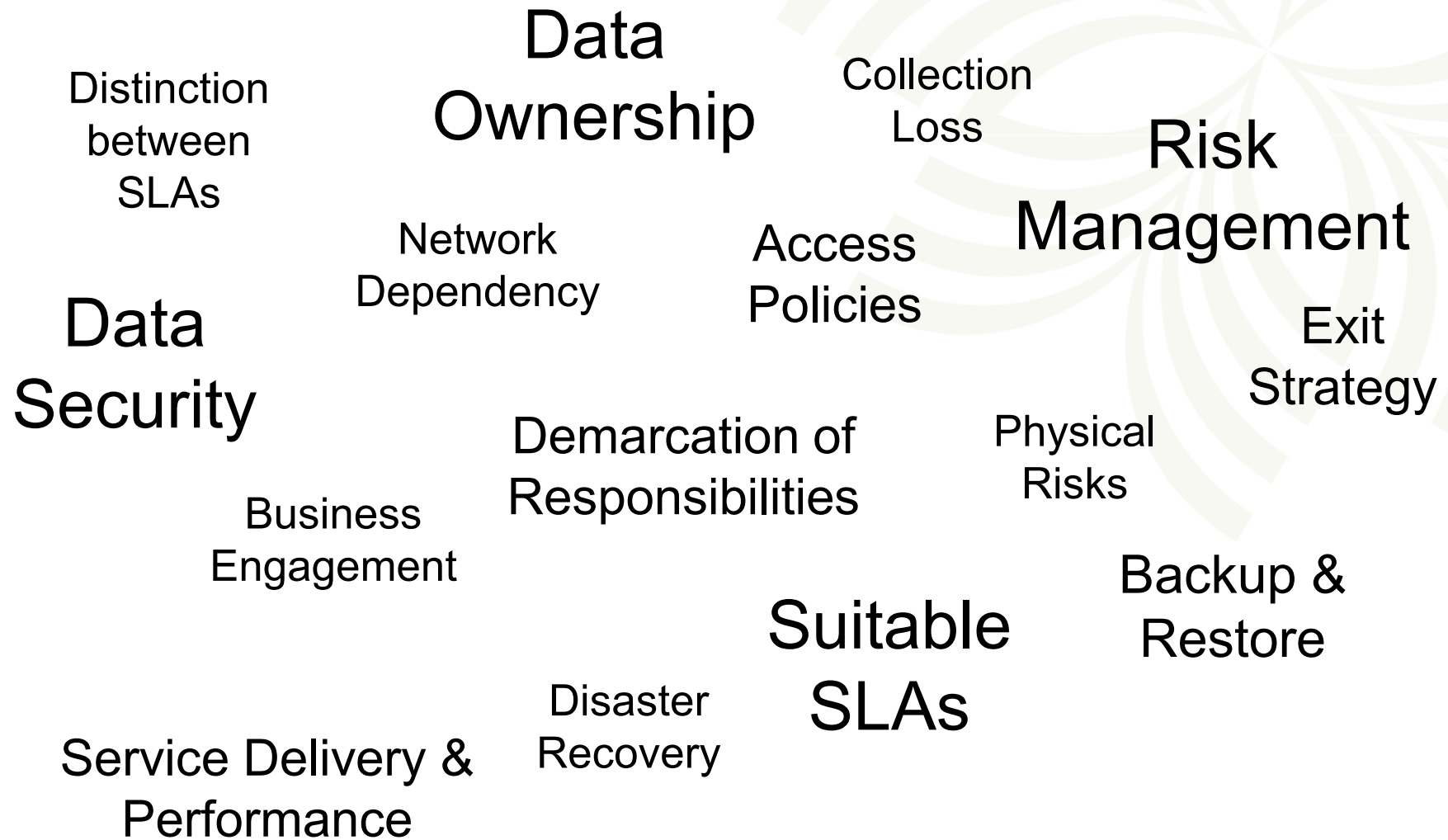
Assurance

National Digital Heritage Archive Programme



Risks

National Digital Heritage Archive Programme



Service Level Agreements (SLAs)

National Digital Heritage Archive Programme

Services



- Service establishment
- Data centre
- Utility computing
- Storage as a Service
- Backup/restore as a Service
- Transition
- Professional services
- Service reporting

Measures



- Service Response Time (SRT)
- Return to Operation (RTO)
- Response time
- Service Readiness Lead Time
- Availability
- Price

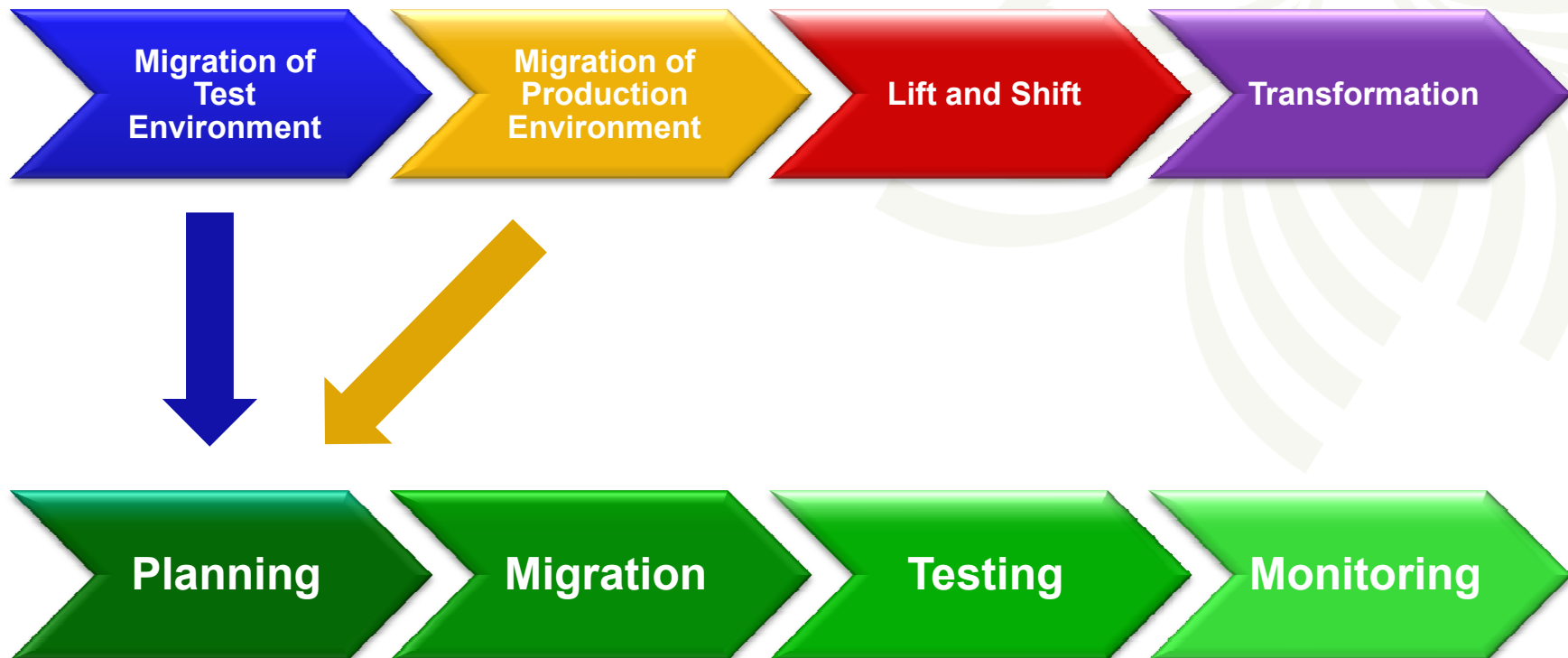
Characteristics



- Granular & well defined
- Addressing all risks identified
- Clearly actionable
- Appropriate sanctions

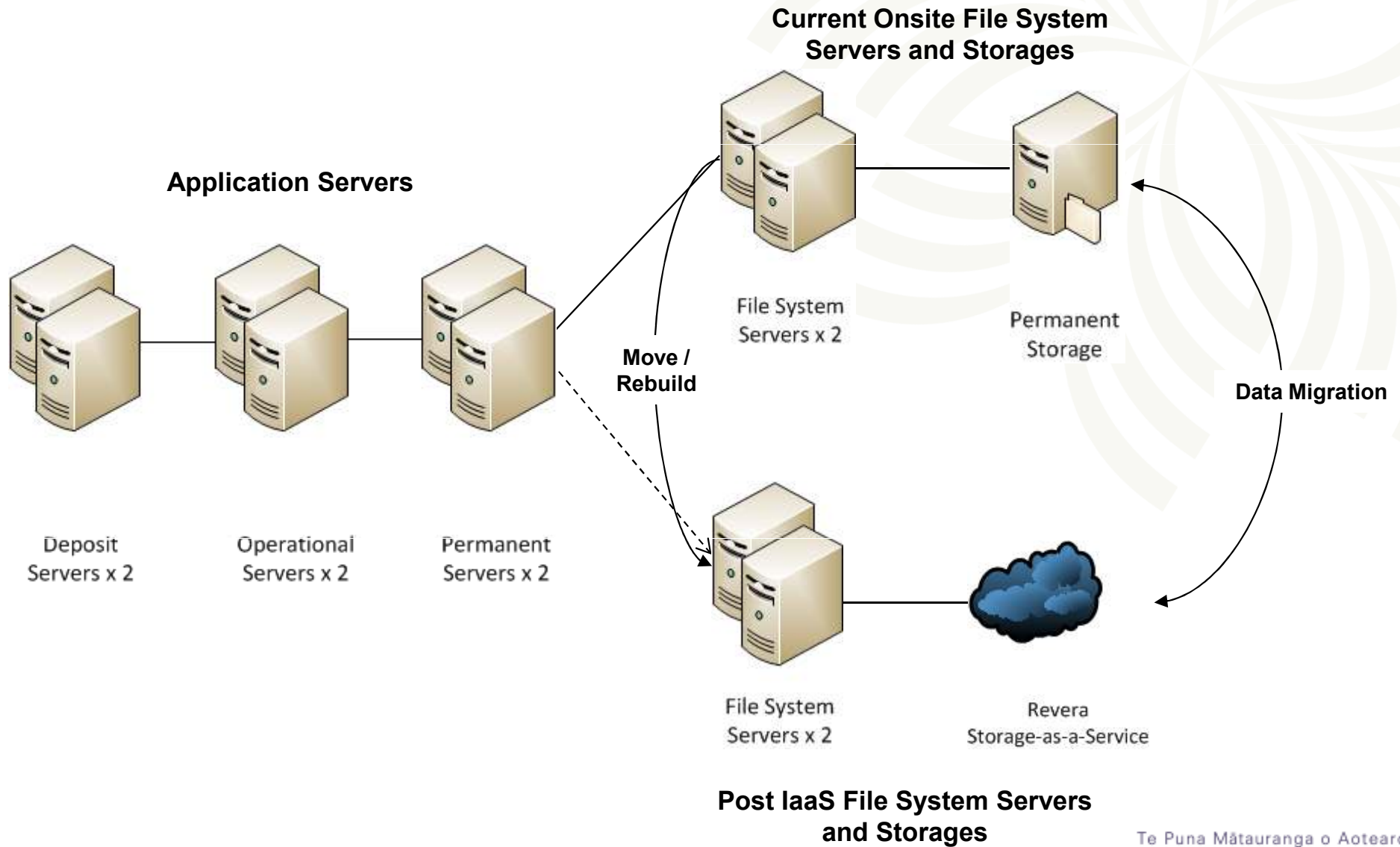
Project Implementation

National Digital Heritage Archive Programme



Migration

National Digital Heritage Archive Programme



Testing & Monitoring

National Digital Heritage Archive Programme

Technical Testing

- Storage Connectivity
- Integration
- Backup and restore
- Storage Performance
- Checksum verification

Application Testing

- BAU Tasks
- Tasks, functionalities or maintenance activities

Monitoring

- File system servers monitoring
- Storage monitoring at Revera

Lessons Learned

National Digital Heritage Archive Programme

 **Be Involved**

 **Testing is essential**

 **Difficulties in defining SLAs**

 **On-going advantages from IaaS**

What's Next

National Digital Heritage Archive Programme

Phase 3: Lift & Shift

Phase 4: Transformation

Cloud Storage adoption

Backup-as-a-Service

Network Redundancy & Disaster Recovery

Questions?

National Digital Heritage Archive Programme

Cynthia.Wu@dia.govt.nz