

DMIA deployment architecture

This architecture aims to reduce or eliminate the tradeoff between developer speed/autonomy and security/compliance.

This approach allows PHAC to move at the speed of relevance for public health.

Key features:

- Addresses compliance/audit/security requirements for PB data
- Addresses Business Continuity and Disaster Recovery requirements for PB systems
- Increases developer velocity while maintaining compliance
- All maintainance via pull requests
- Isolation reduces blast radius and supports developer autonomy
- Fully automated TLS certificate management (internal and external)
- Zero downtime upgrades/rollbacks allow for business hours deployments
- Low operational burden supports public health focus

