

Google Cloud

## Security architecture

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Data sharing Project

PHAC's core business is data aggregation and analysis.

Data arrives in dangerous formats from untrusted sources increasingly targeted by ransomware gangs.

Architectural choices can contain the spread of compromise just as vaccines contain the spread of

- risk = likelihood \* impact
- Highly segmented architecture reduces impact/spread of compromise.
- Technology selection and rapid updates reduces likelihood.
  Continual security scanning at multiple levels to prompt updates.
- Codesql source code scanning
- Dependabot dependency scanningSecrets scanning