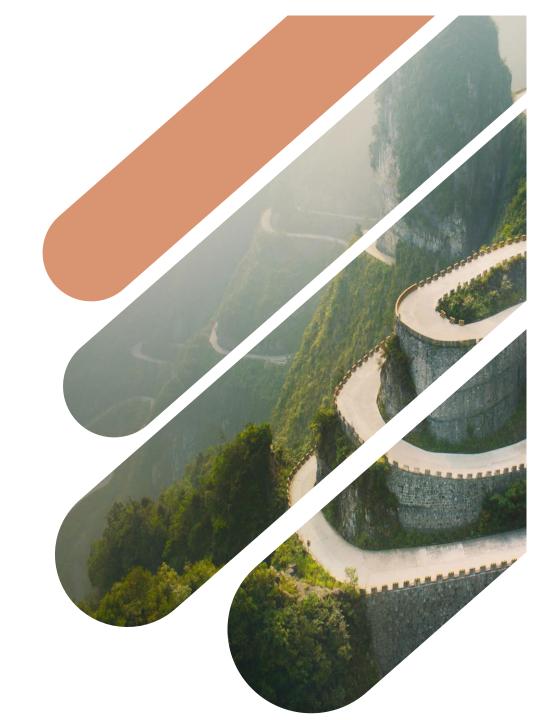
Essential Eight

An Implementation Journey



The Organisation.

Queanbeyan-Palerang Regional Council (QPRC) is one of the oldest regional councils in NSW, and the LGA shares its border with the Australian Capital Territory.











Essential Eight Controls

Prioritised mitigation strategies to help organisations protect themselves against various cyber threats 4 S
Top Controls Essential Controls

37
Strategies

69
Assessment Points

E8: Overview and Scope

Essential Eight is a mandatory requirement for all Australian Non-corporate Commonwealth entities (NCEs) subject to the PGPA

1,2,3
Maturity Levels

ML 2

Baseline

2017

First Release

NOV 2023

Latest Version

The Power of 8

Patch applications

Patch operating systems

Multi-factor authentication

Restrict administrative privileges

Application control

Restrict Microsoft Office macros

User application hardening

Regular backups

E8 Scorecard





Maturity 1





Maturity 2





Maturity 3





Maturity 1





Maturity 1





Maturity 2



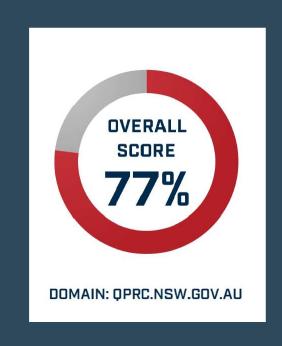


Maturity 1





Maturity 1



Success Factors







A Professional Team



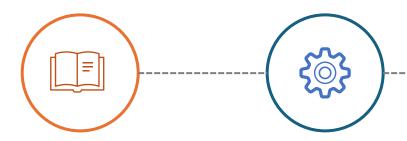
Timeline

Start of E8 implementation, Auditor 8 software, etc.

2020 Q3

Admin privileges: Maturity ML1

2021 Q2









2019 Q4

Intro into Essential Eight

2020 Q4

Regular backups: Maturity ML1

2022 Q1

Multifactor Auth: Maturity ML2

Timeline

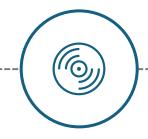
Patch OS: Maturity ML3

2023 Q2

App Control

2024 Q3











2022 Q4

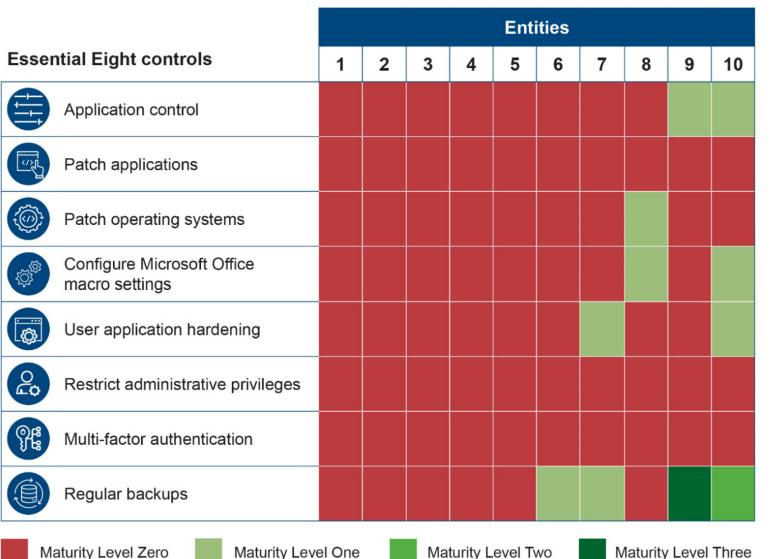
Office Macros: Maturity ML2

2023 Q4

Patch applications: Maturity ML1

2024 Q4
User App hardening

Benchmarking



10 State Government **Entities**

OAG's Report WA

December 2023

Maturity Level Zero

Maturity Level One

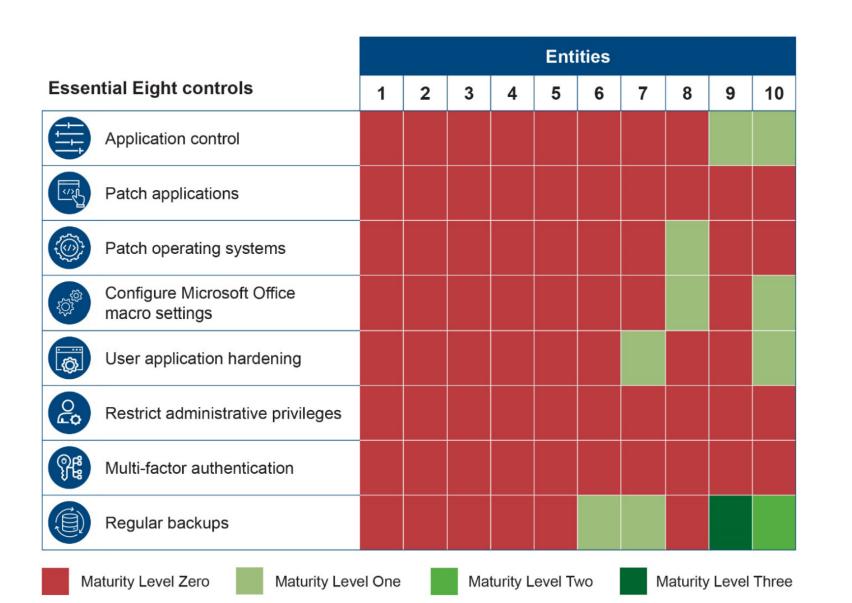


Benchmarking

	Entities									
Essential Eight controls	1	2	3	4	5	6	7	8	9	10
Application control										
Patch applications										
Patch operating systems										



Benchmarking

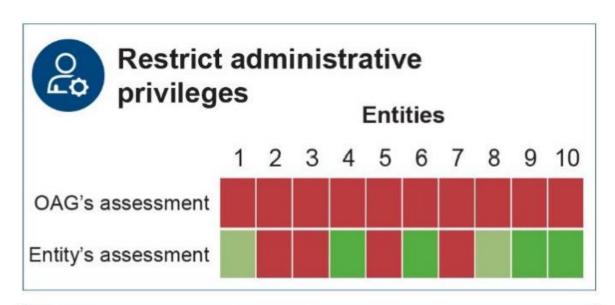


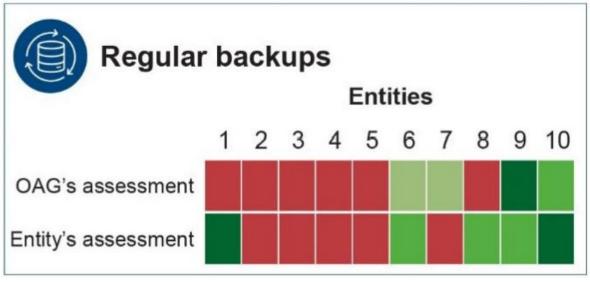
10 State government entities

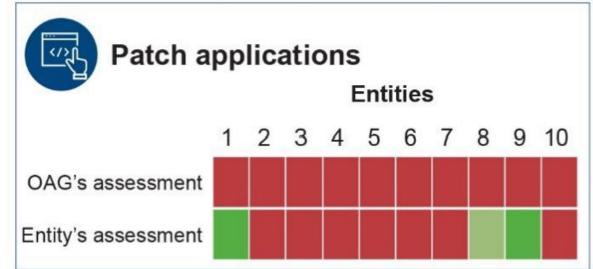
OAG's Report WA

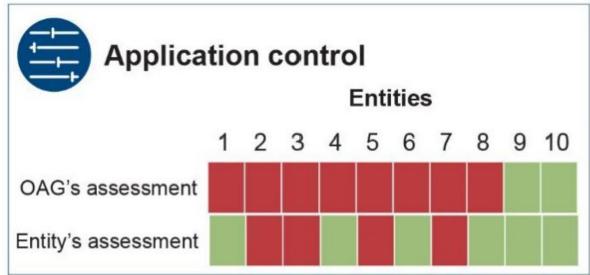
December 2023

Perils of Self-assessment

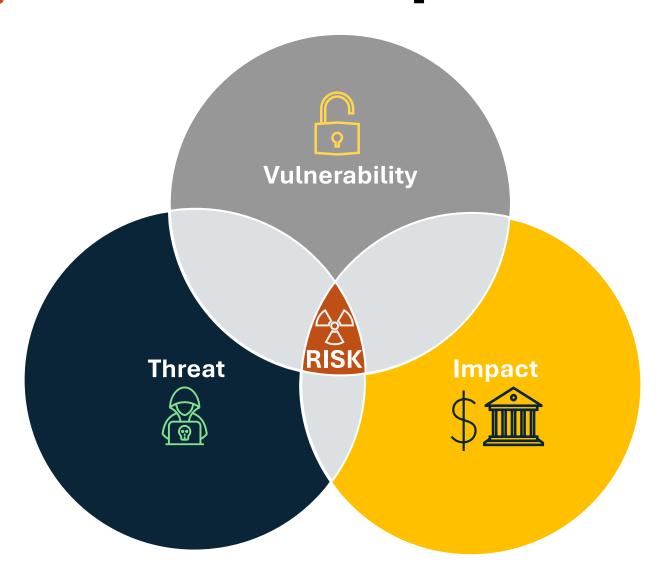


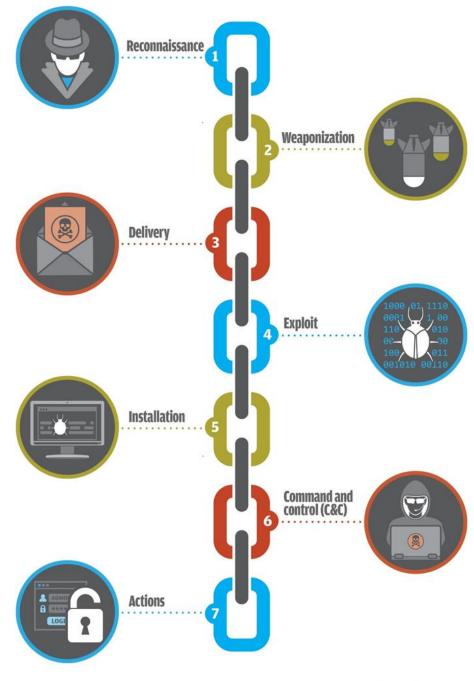






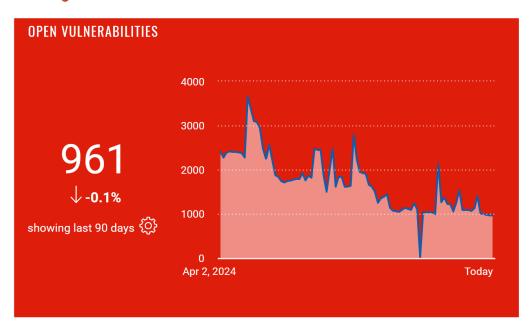
The Risk Equation





CYBER KILL CHAIN

Software Tools: Qualys VMDR



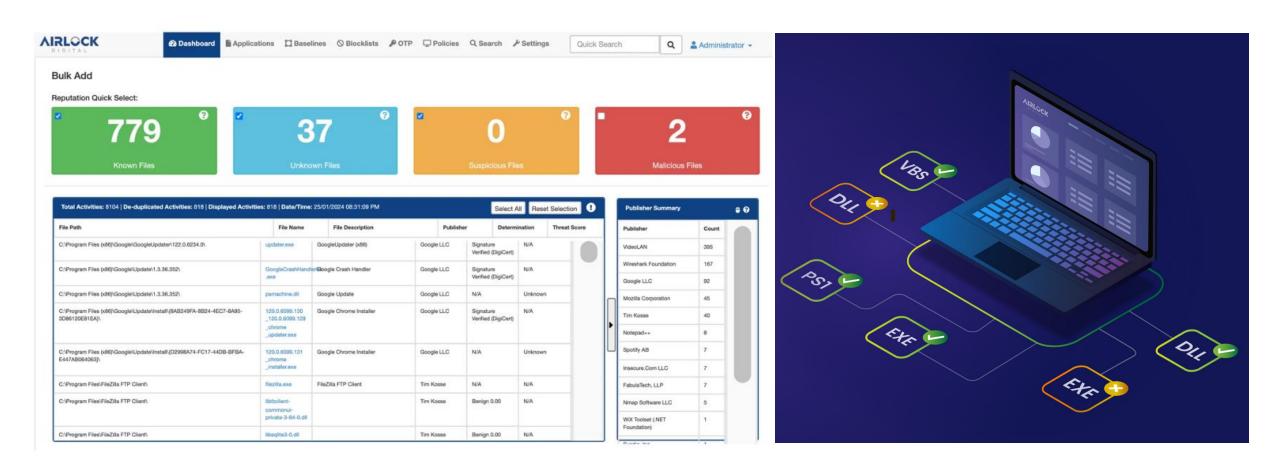
LATEST THREATS FROM LIVE FEED

TITLE	SEVERITY	PUBLISHED	IMPACTED
WordPress Redux Framework Pl	HIGH	Jul 25, 2024	0
PoC Exploit available for CVE-20	MEDIUM	Jul 23, 2024	0
PoC Exploit available for CVE-20	MEDIUM	Jul 23, 2024	0
PoC Exploit available for CVE-20	MEDIUM	Jul 23, 2024	0
PoC Exploit available for CVE-20	MEDIUM	Jul 22, 2024	0

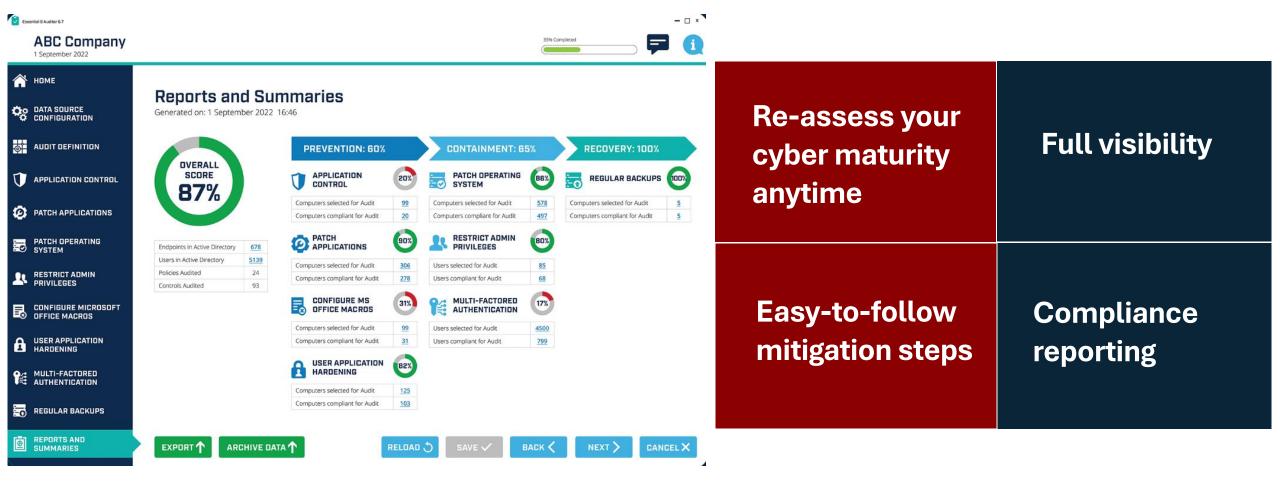




Software Tools: Airlock



Software Tools: Auditor 8



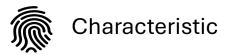
Access Control



Principle of Access Control







Security Principles

- Asset inventory
- Principle of Least Privilege (PoLP)
- Principle of need-to-know
- Separation of Duties (SoD)
- Use complete controls wherever possible
- Logging and monitoring
- Don't trust any network, including your own
- Choose services designed for zero trust

Thank You.

Essential Eight: An Implementation Journey.

