

Understand, Engage, Respond

A new DPC Technology Watch Guidance Note series on cyber security for digital preservation

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Digital**P**reservationCoalition

The challenge



- Cyber threats are a huge risk to digital preservation
- Digi pres needs good cyber security and resilience...
- But what, who and how?

Guidance Notes' goals



- Help practitioners understand the challenge
- Provide advice on engaging and receiving senior support
- Outline methods and strategies in working with IT
- Protect mental health and wellbeing
- Make cyber security & resilience for digital preservation a 'whole org' responsibility – and a 'whole society' responsibility
→ good digi pres is good for cyber security and vice versa!!

Guidance Note 1: Understand



- Digital preservation as a target for cyber crime
- Lots of cyber risks: which ones do we need to think about most?

Global threats	Digi Pres particulars
Malware	Provenance
Ransomware	Old, unsupported formats, software and systems
Geopolitics ↔ data sovereignty ↔ where's my data?	External media
Supply chain = convenient yet vulnerable	Many services via supply chain = large distributed systems, bigger 'attack surface'
AI...	Scale: pressure to automate and innovate

Guidance Note 2: Engage



- Digital preservation practitioners have key role
 - Communicate risks
 - Collaborate to embed security safeguards in workflows
 - Ensure new practice and innovation is safe and secure
- But a lot of mental load:
 - Training must be in place
 - Responsibilities and support must be clear
 - Safe and healthy working environment is paramount
- High trust culture: Zero Trust thinking

Digital
leadership

Guidance Note 3: Respond



- Some examples of applying cyber security for digital preservation
- A Practical Roadmap to cyber security for digital preservation
 - 0-6 months – Lay the Foundation
 - 6-18 months – Build Capacity
 - 18+ months – Achieve Maturity

A short case study...

- Mutual understanding and trust across teams developed through shared resources e.g. Novice to Know How, Cloud guidance
- Joined up thinking on storage management and redundancy
- Developed digital preservation workloads with cyber as a key partner, to complement existing IT strategy
- Plans were tested! And worked ☺



National
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Guidance Notes Release Cycle

Guidance Note	Release Date for DPC Members
No. 1 Understand	Today! Please sign into DPC website to access
No. 2 Engage	09 July
No. 3 Respond	30 July
All Guidance Notes public release	30 August

Thank you!

Any questions?

Do you see this form of collaboration working in your own organisation?

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