

Threat Landscape is evolving



Global average cost of a data breach

2.6%

Increase from 2021

45%

Share of breaches that occurred in the cloud

83%

Percentage of organizations that have had more than one breach

19%

Frequency of breaches caused by stolen or compromised credentials

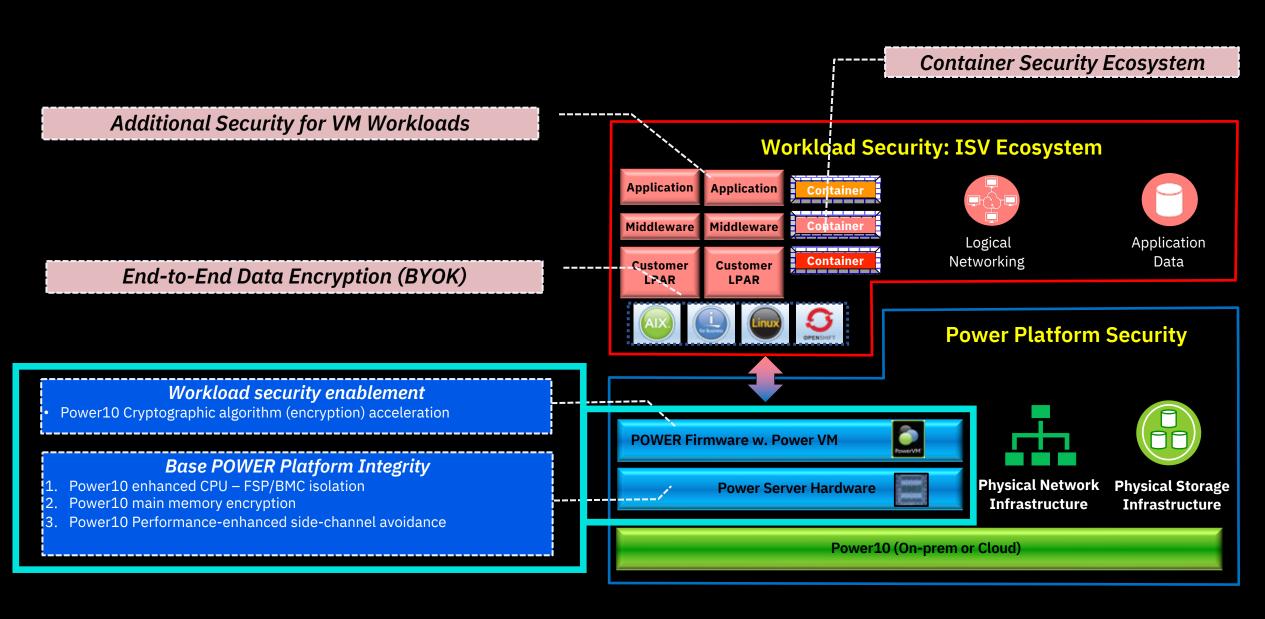
Top cost mitigating efforts

- 1. AI platforms
- 2. Encryption
- 3. Formation of the IR team

Top cost amplifying factors

- 1. Compliance failures
- 2. System complexity
- 3. Cloud migration

Power10 Security Ecosystem: Platform & Workloads



1. Stop: Micro-architectural side-channel attacks









Hertzbleed
Exploits speculative execution

and other processor design oversights

Patches mostly impact performance

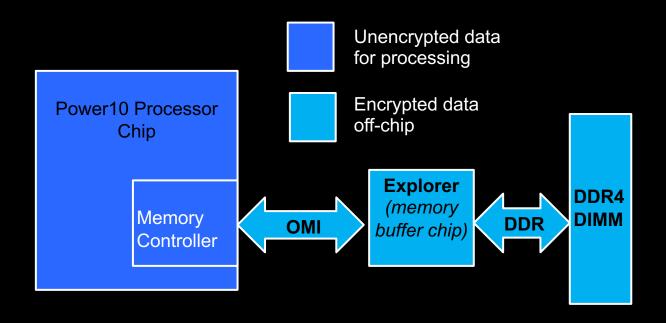




Power10 provides built-in protection from entire classes of side-channel attacks at NO performance penalty

2. Encrypt your main memory

Power10 Processor provides support for encryption of main memory off chip



This security enhancement prevents:

- 1. Bus probing attacks
- 2. Cold boot attacks
- 3. Data theft by dumping DIMM contents
- Provides pathway for secure adoption of non-volatile memory technologies for main memory

3. Enhance Separation of CPU and Service Processor Trust Domains

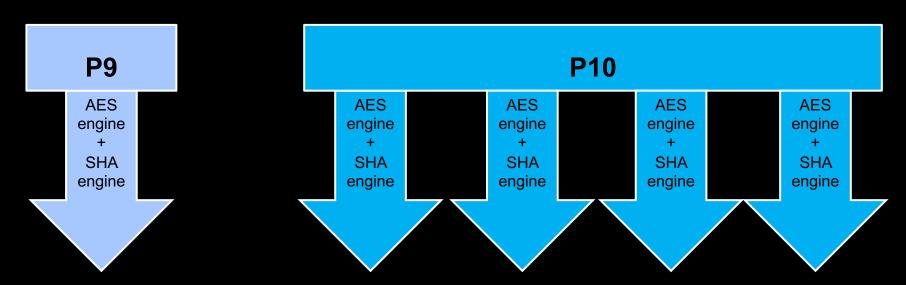
The importance of Service Processor Security





Power10 design limits access of BMC/FSP

4. Enhanced Cryptography Algorithm Acceleration



Power10 Processor provides 4x AES and SHA2 encryption engines compared to P9

Improved encryption benefits:

- 1. AIX LV encryption,
- 2. IBM i ASP encryption,
- 3. Linux LUKS

IBM i Tip of the Month

Authority Collection was added to IBM i in V7.3 and enhanced in V7.4. Let's look at 3 scenarios for Authority Collection.

- 1. Profiles with too much authority
- 2. Troubleshoot authority failures
- 3. Determine/troubleshoot where authority is coming from

Next steps... (example)

Turn on the Authority Collection for the profile: STRAUTCOL.

You can turn on the collection for every object the service account is going to access You can also narrow down the collection and only log the access of *FILE objects for e.g. in LIB PROD1.

Call to Action:

- 1. Technology update workshop (~2 hours)
- 2. Zero Trust Security Workshop
- 3. Ask about access to demos

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#Letscreate Power10 solutions