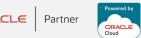


AsterionDB's Zero Trust Alignment











Incremental improvements will not give us the security we need; instead, the Federal Government needs to make bold changes and significant investments in order to defend the vital institutions that underpin the American way of life.

- President Joe Biden, EO 14028









AsterionDB is Secure by Design & Default





We have to take a different approach to sustainable cybersecurity, which is about technology companies creating technology that is **secure by design** and **secure by default**.

- CISA Director Jen Easterly CES, January 2023









AsterionDB Implements Granular Security



With zero trust, we have identified the items of value within the house and we place guards and locks within each one of those items inside the house.

This is the level of security that we need to counter sophisticated cyber adversaries.

- DoD ZT PfMO Director Randy Resnick









AsterionDB Locks Down Assets Individually



Pre-decisional Draft



The goal is to prevent unauthorized access to data and services and make access control enforcement as granular as possible.

- Source: CISA Zero Trust Maturity Model





Immediate Challenges To Zero-Trust Adoption

- Ambitious ZT goals
- 5 year timeline for adoption
- Identify and evaluate solutions that speed up and simplify ZT adoption







How Can AsterionDB Help?

- ✓ Zero-Trust Software Development Platform
- ✓ Simplify and accelerate Zero-Trust adoption
- ✓ Last line of defense at the data-layer







Ideal Early Adopters & Use Cases

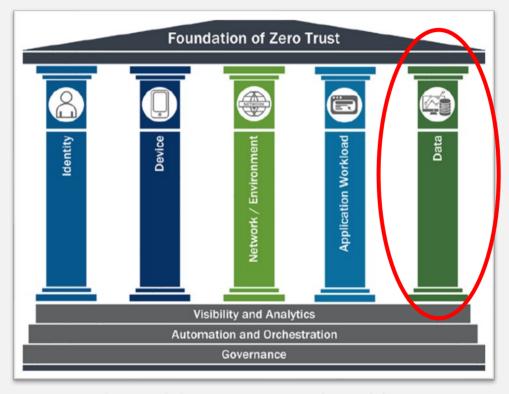
- ✓ Large, sensitive unstructured data-sets under application control where users do not directly touch the file system
- Examples are: images, scanned documents, log data, insurance, healthcare, fin-tech
- ✓ Power users that organize and analyze unstructured data







AsterionDB Accelerates Building The CISA Data Pillar



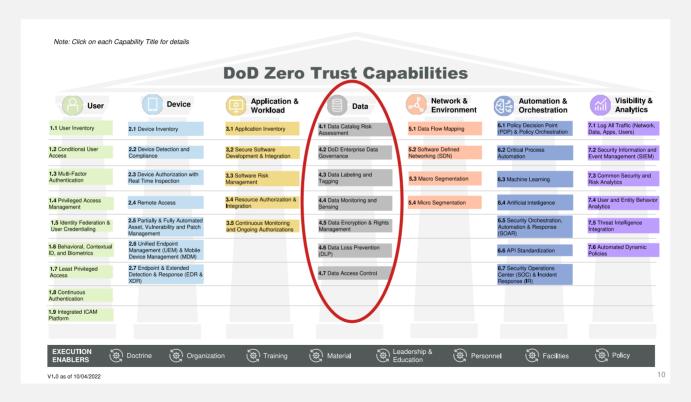
Source: CISA Zero Trust Maturity Model







AsterionDB Accelerates Building The DoD Data Pillar



Source: DoD ZT Execution Roadmap





The Dangers of Lateral Discovery

- Infiltrators map the network
- Apparatus is available for them to use
- Long delay between intrusion and detection
- Infiltration leads to infestation!
- Infection of software supply chain

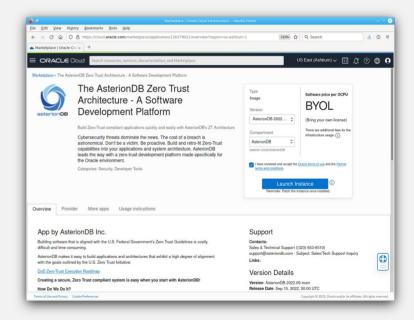






Solution Summary

- ✓ Converge all logic & data in an Oracle database
- ✓ API accommodates non-Oracle use-cases
- ✓ Build new or retrofit existing applications
- ✓ On premises, cloud, & edge equivalence
- ✓ Ready for evaluation & adoption











Leveraging the Oracle Database

- ✓ Rated as the most secure database available
- ✓ Oracle Label and Tagging
- ✓ Integrated data encryption, access control and loss prevention
- ✓ Simplified scaling and orchestration

- Unified backup, restore and disaster recovery
- ✓ Integrated redundancy and location independence
- Consolidate audit and compliance







Some of Our Unique Capabilities

Capability	Benefit
Move Away from the Legacy File System	 ✓ Reduce attack surface and vectors ✓ Limit lateral discovery ✓ Flexibility with keywords and tags
Granular Security	Assets are locked by defaultComplete logging and access control
Single-Point API	✓ Limit API discovery ✓ Security choke point

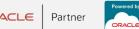




Product Demonstration

- ✓ Web application (management)
- ✓ Content ingestion via web-app
- ✓ Integrated HTTP streaming
- ✓ File system gateway









Topics For Further Discussion

Security

- ✓ No File System (NoFS)
- ✓ Single-point API
- ✓ Schema visibility & security
- ✓ Granular security
- ✓ Apparatus security

Operations

- Backup & disaster recovery
- ✓ Scaling & load balancing
- ✓ Consolidation, convergence & efficiency

DevOps

- ✓ Simplified audit & compliance
- Unified data fabric
- ✓ Simplified Deployment & update
- ✓ Data-layer business logic
- Extended data-layer logical capabilities

Use Cases

- ✓ Horizontal platform
- ✓ AI/ML, Big-Data, Cloud migration, Device & infrastructure control
- Retrofit existing applications







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