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Chief Digital & Artificial Intelligence Office

Accelerating Adoption of AI for Decision Advantage: The Digital Ecosystem

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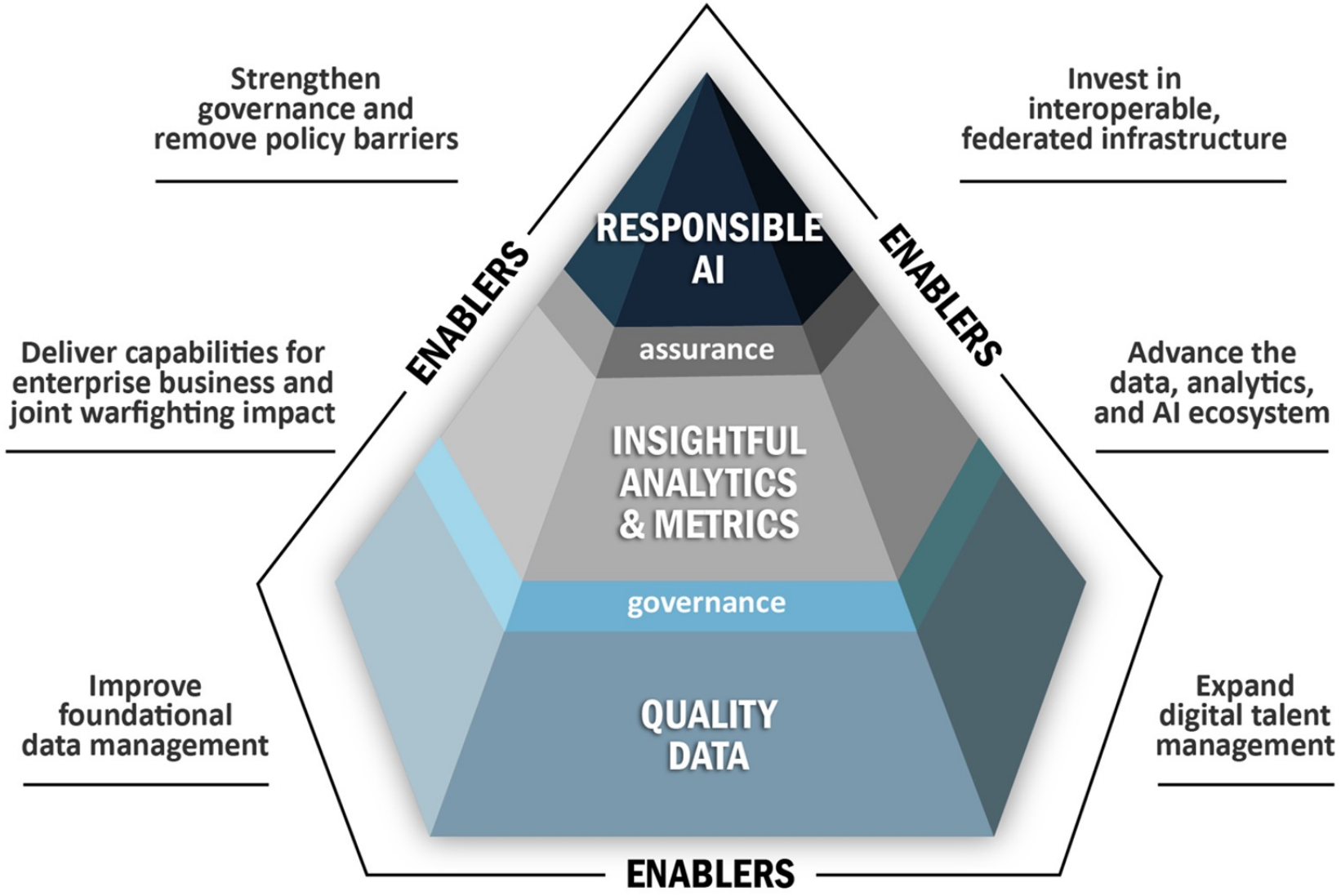
DoD AI Hierarchy of Needs



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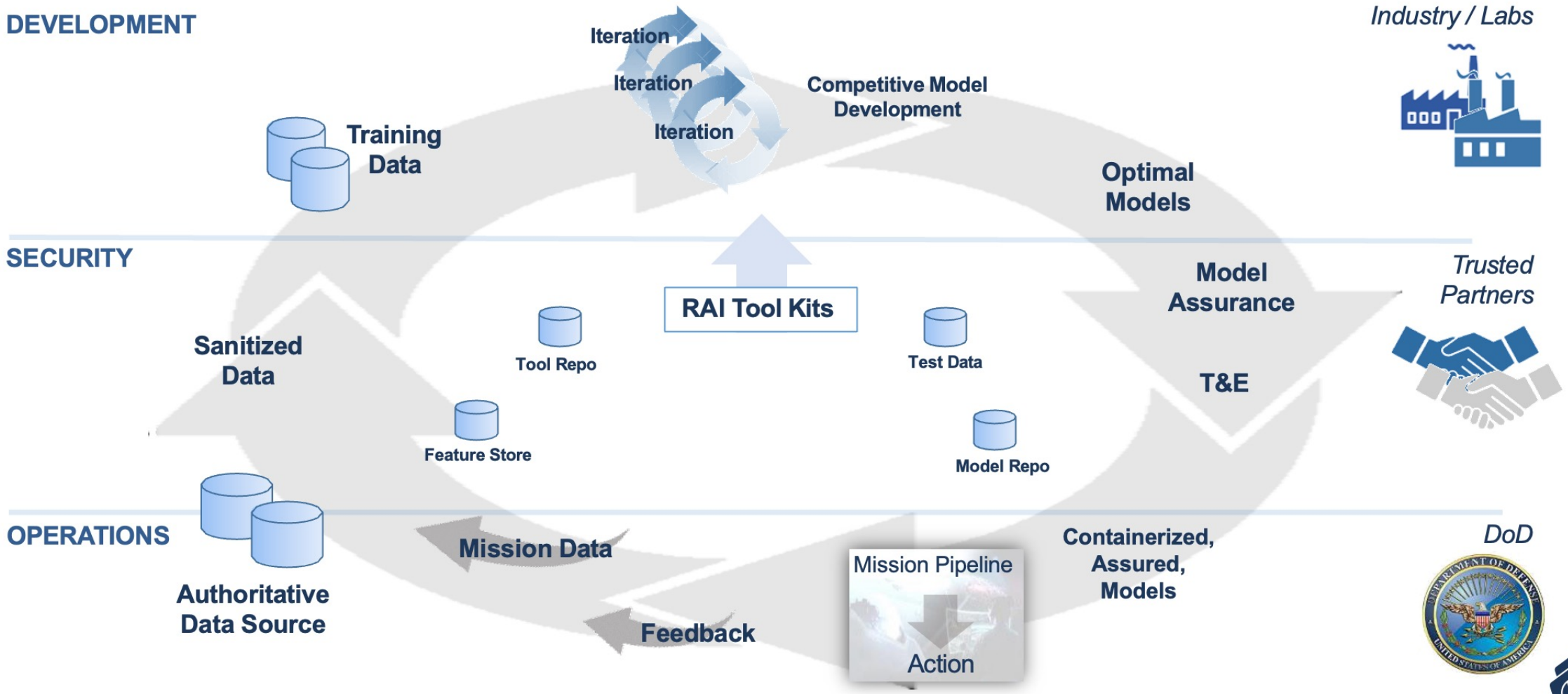
A Digital Ecosystem Supports DoD AI Goals



Principles of Adoption Platform

- ✓ **Enable DoD to leverage AI to modernize mission functions, from the boardroom to the battlefield**
- ✓ **Engender a Digital Ecosystem in which…**
  - ✓ **Industry innovation is leveraged, while DoD skill sets are enhanced,**
  - ✓ **Competition drives capability delivery,**
  - ✓ **DoD guidance, standards, and toolkits enable and ensure robustness,**
  - ✓ **Federation allows solution diversity**
- ✓ **Offer enterprise services to reduce barrier to entry, focus on mission**
- ✓ **Enable monitoring and management to drive enterprise goals**

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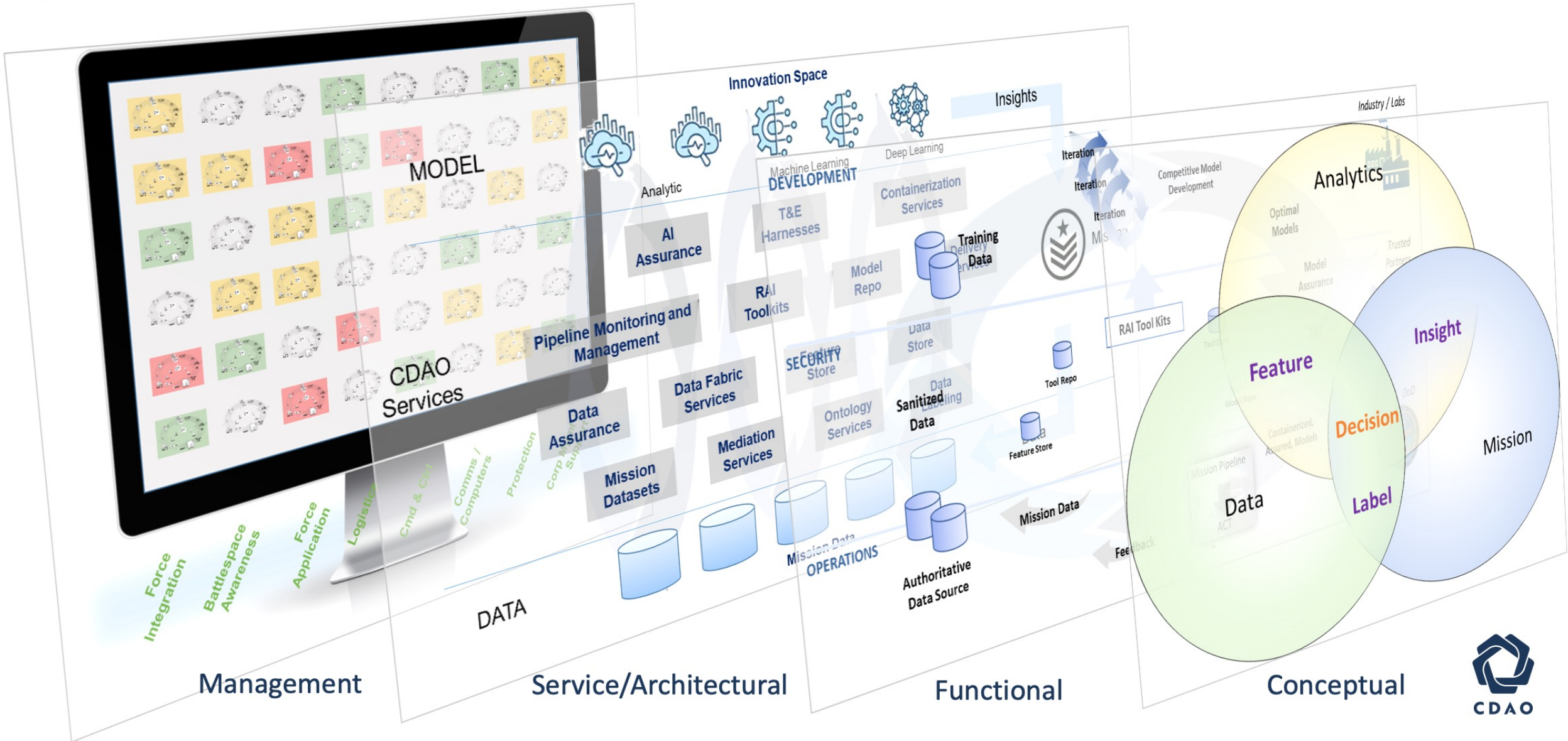
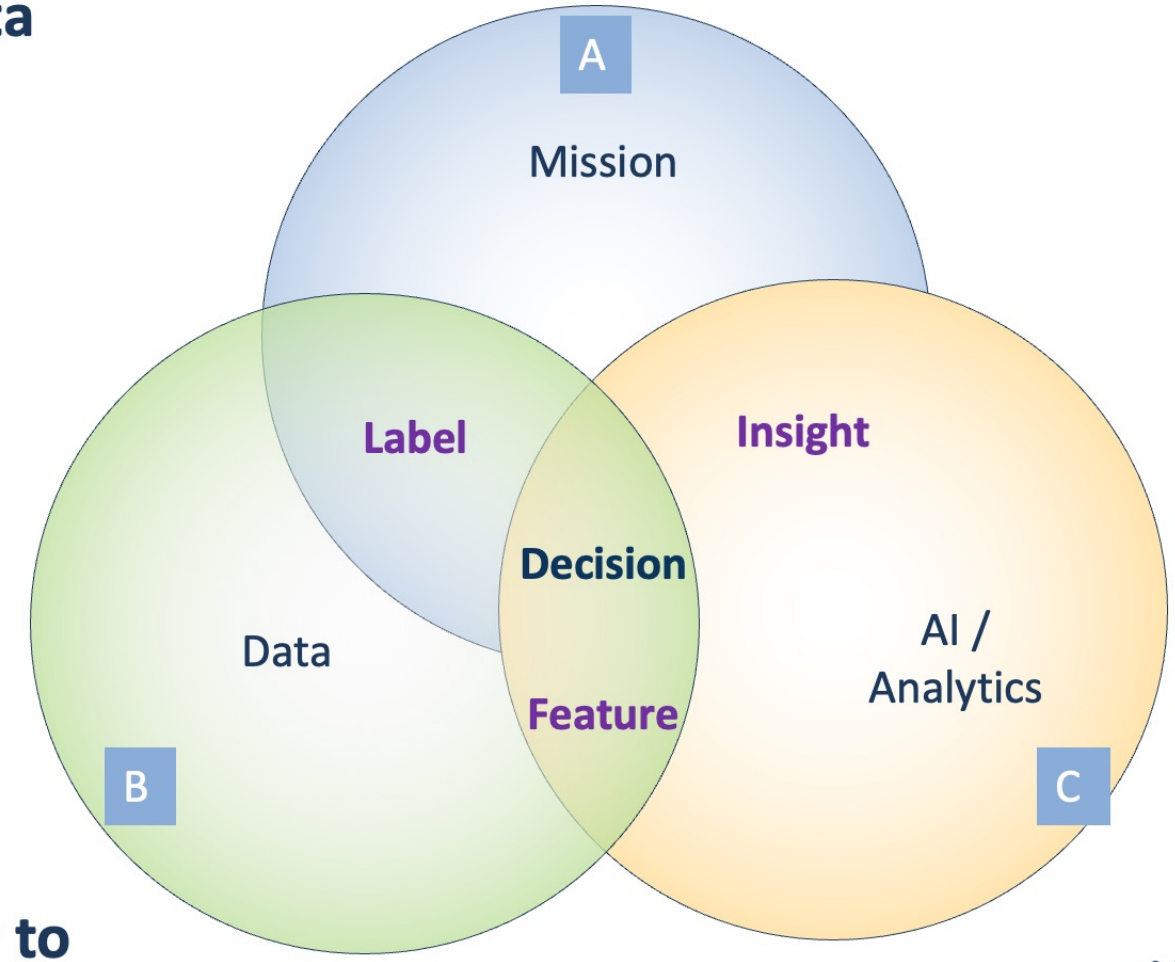
Adoption Tech Stack



Conceptual Layer

Depicts relationship between mission, data and AI/analytics to enable decision advantage.

- ✓ **Identify mission relevant *decision* or challenge**
- ✓ **Collect and label relevant *data***
- ✓ **Create *features* that support AI and analytics**
- ✓ **Operate on features to provide *insights* to mission**



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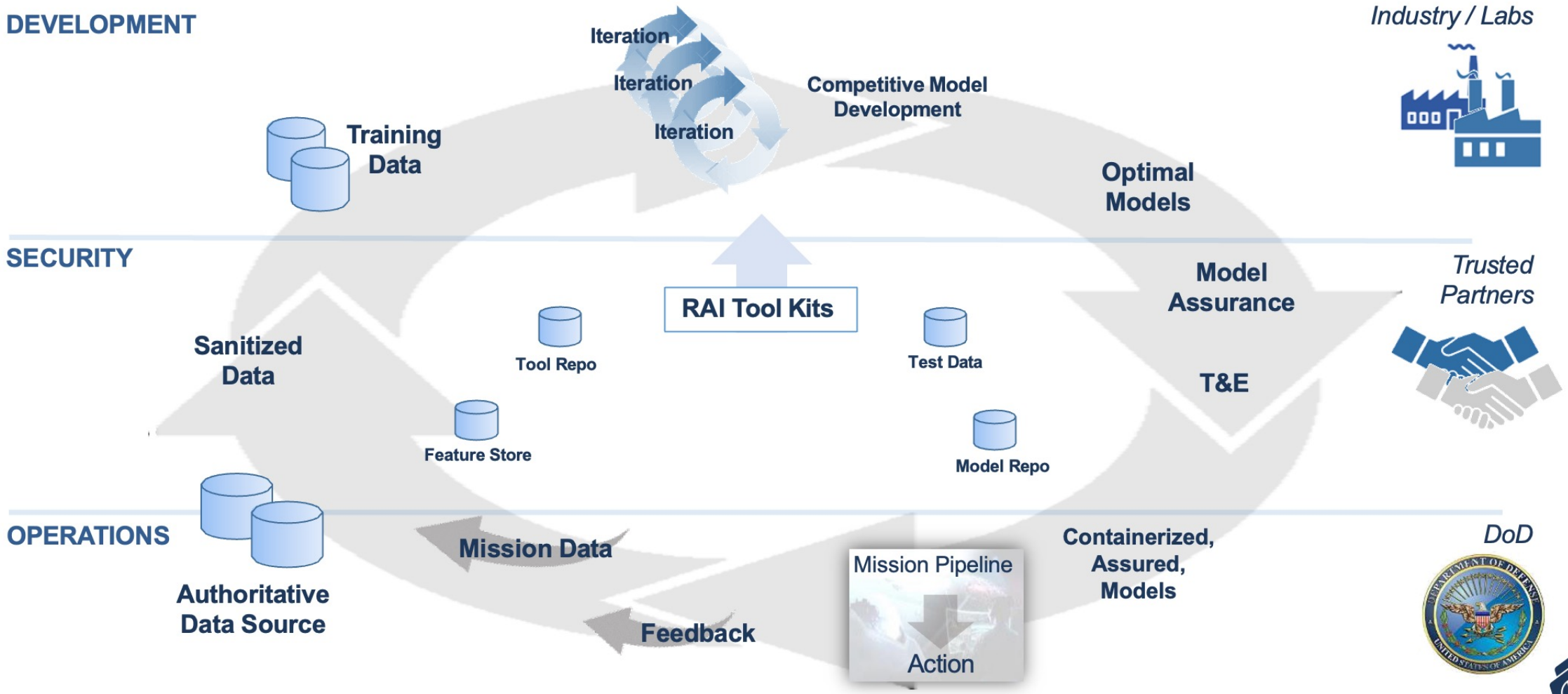
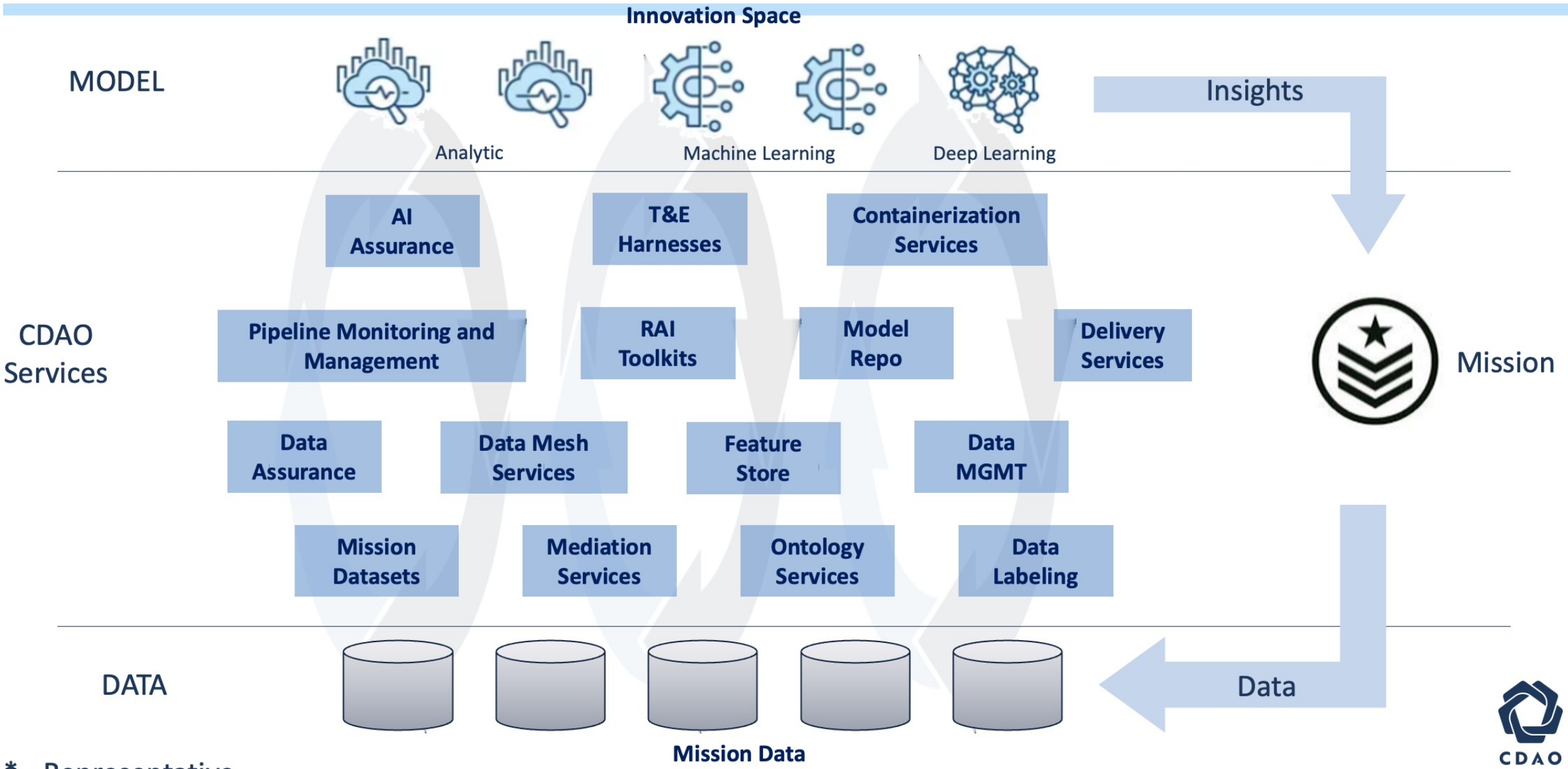


AI/ML Scaffolding Services*

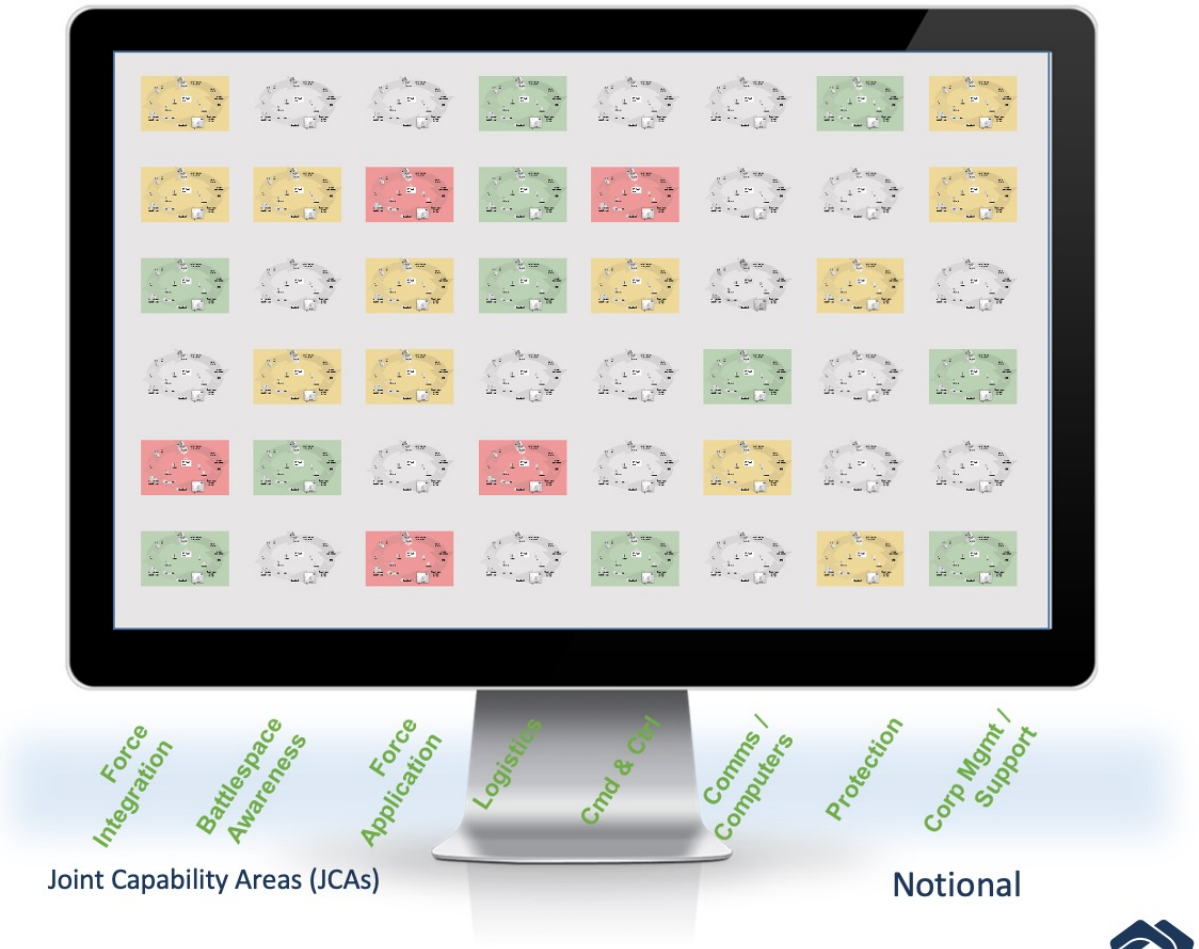


* - Representative

Monitoring and Management Layer

Track status of adoption across DoD enterprise

- ✓ ***Instrument*** **the distributed MLOPs pipeline at each step**
- ✓ ***Aggregate*** **status across joint mission areas**
- ✓ **Leverage insights to *direct* investment towards adoption goals**



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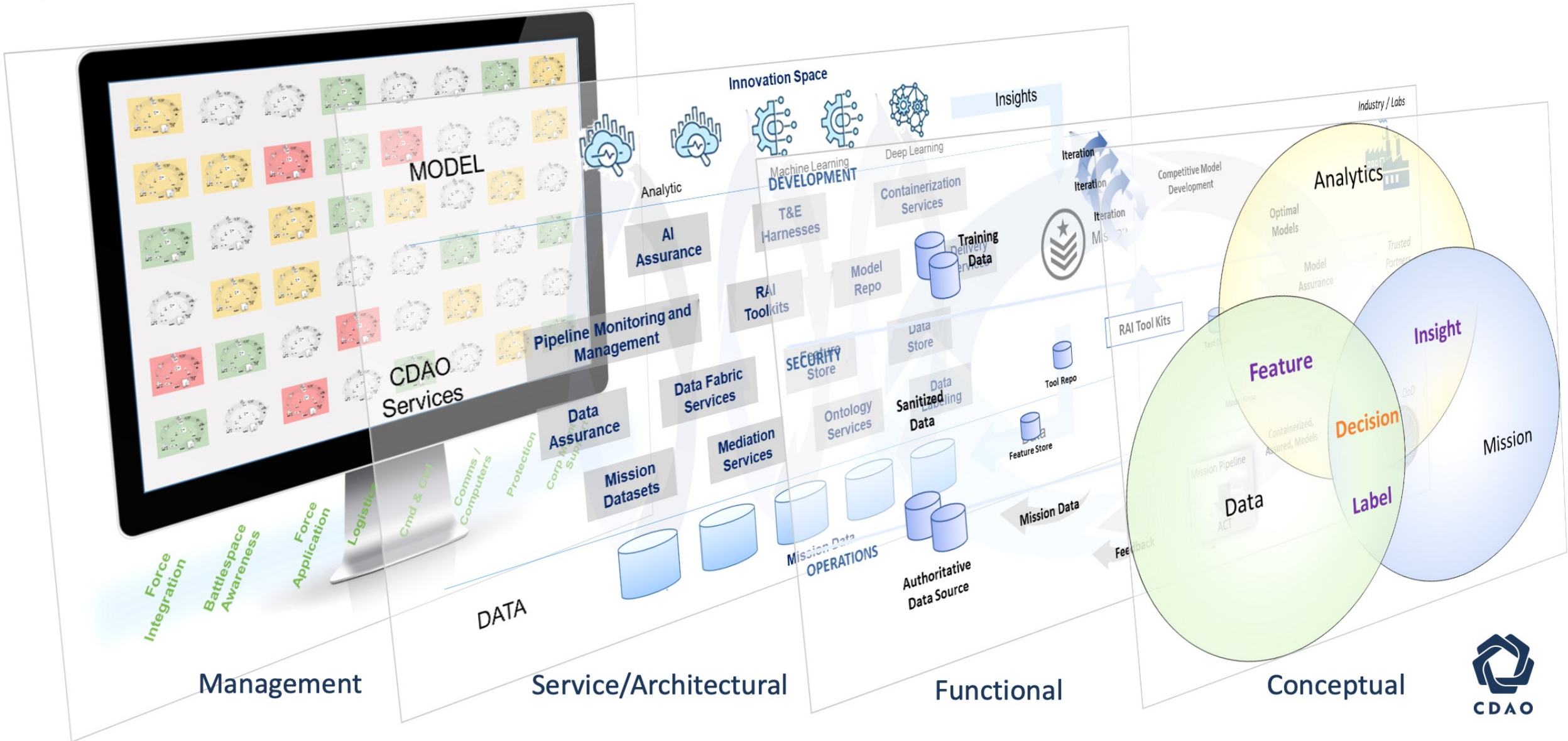
Adoption Tech Stack



Summary

- U.S. is in a competitive race with pacing adversaries
- DoD Adoption requires Responsible Agility
  - AI Hierarchy of Needs
- Technology needs in support of Digital Ecosystem
  - AI Scaffolding and Data Mesh services
- We seek your partnership in our campaign of learning

Thank you!

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