



### Why Data Readiness is the Key to Achieving Data Centricity



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# ***Business & Enterprise Systems***

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*Operate - Integrate - Innovate*



## ***36<sup>th</sup> Annual National Logistics Forum: Data Readiness, Data Centricity***

***Rich Aldridge,  
Program Executive Officer***



# Current Landscape



- **Tb/Pb of data to manage and analyze**
- **Multiple, disconnected, non-compatible databases**
- **Heavy dependency on human process chain**
- **Unique systems lack ability to integrate easily**
- **Immature data governance and management**
  - **Large amounts of “dirty” data = high price tags and labor intensive efforts to cleanse**
  - **Lack of real-time data flow**



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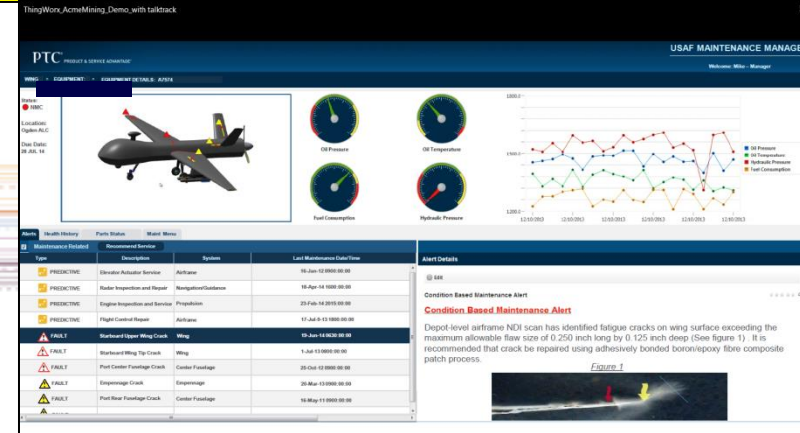


# Future Vision



Transition from this into...

THIS!



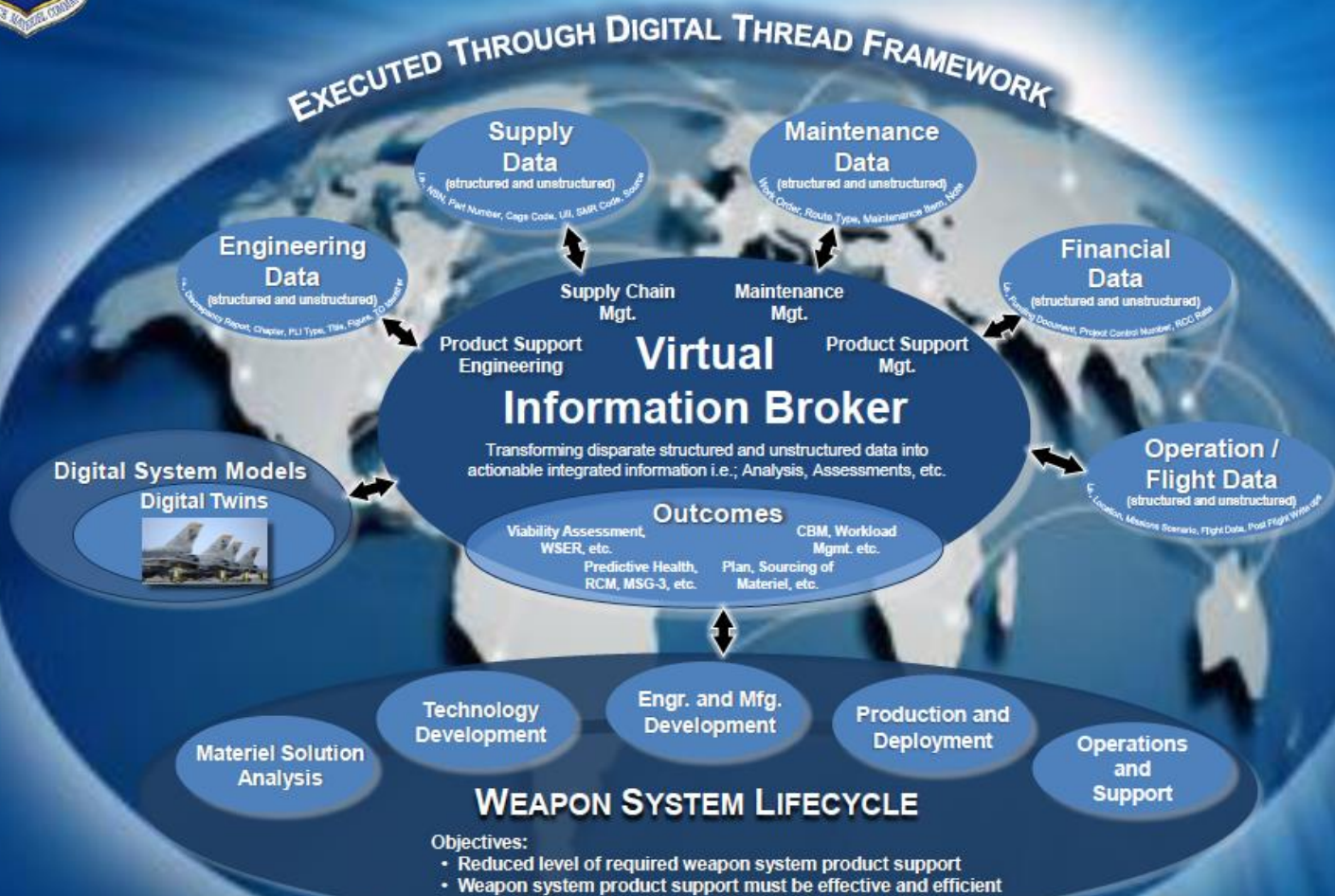
- **Facilitate cleaner data from start**
- **Enable access to data drilldown (ie: by tail number)**
- **Leverage existing databases & already-made investments**
- **Connect systems via “bridge code” or APIs to enable cross-data sharing and access (i.e., depot and field total awareness)**
- **Promote real-time data feeds to enhance decision making**

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# Potential Integrations...Telling the Story



## Product Support Enterprise OV-1



- Overarching Log IT layout
- “Digital Thread” of data from Point A to Z
- Great, working example = CBM+
- Pulls data from multiple sources to drive decisions

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# How do we get there?

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# AF Enterprise Efforts

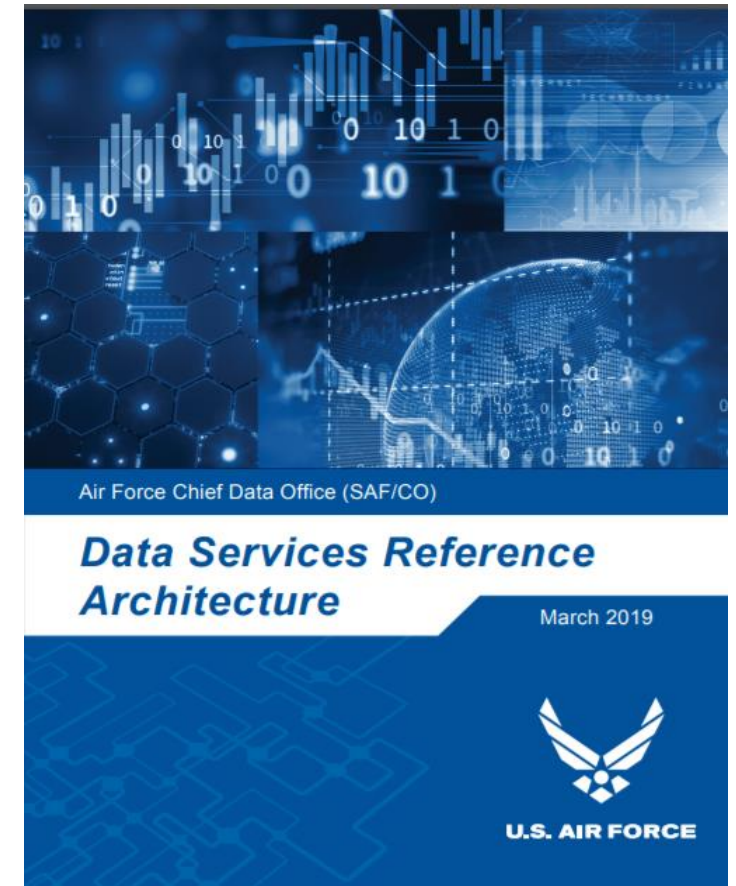


## ■ Data Services Reference Architecture

- Signed by Under Sec March 2019
- Data & Interface Management
- Reference Database Architectures
- Interface Metadata Standards

## ■ Data Governance

- AF Data Architecture Working Group
- Data Board
- Data Council



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# AFMC Digital Campaign



Create a technical environment that provides for the delivery of cutting-edge capabilities at ever increasing speed and efficiency by designing, sustaining, and modernizing them in an integrated digital domain.

The Digital Campaign consists of six Lines of Effort (LOEs).

- LOE 0: Integrated Environment – IT Infrastructure
- LOE 1: Integrated Environment – Models and Tools
- LOE 2: Standards, Data and Architectures
- LOE 3: Lifecycle Strategies and Processes
- LOE 4: Policy and Guidance
- LOE 5: Workforce and Culture



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