



TWICS 2024

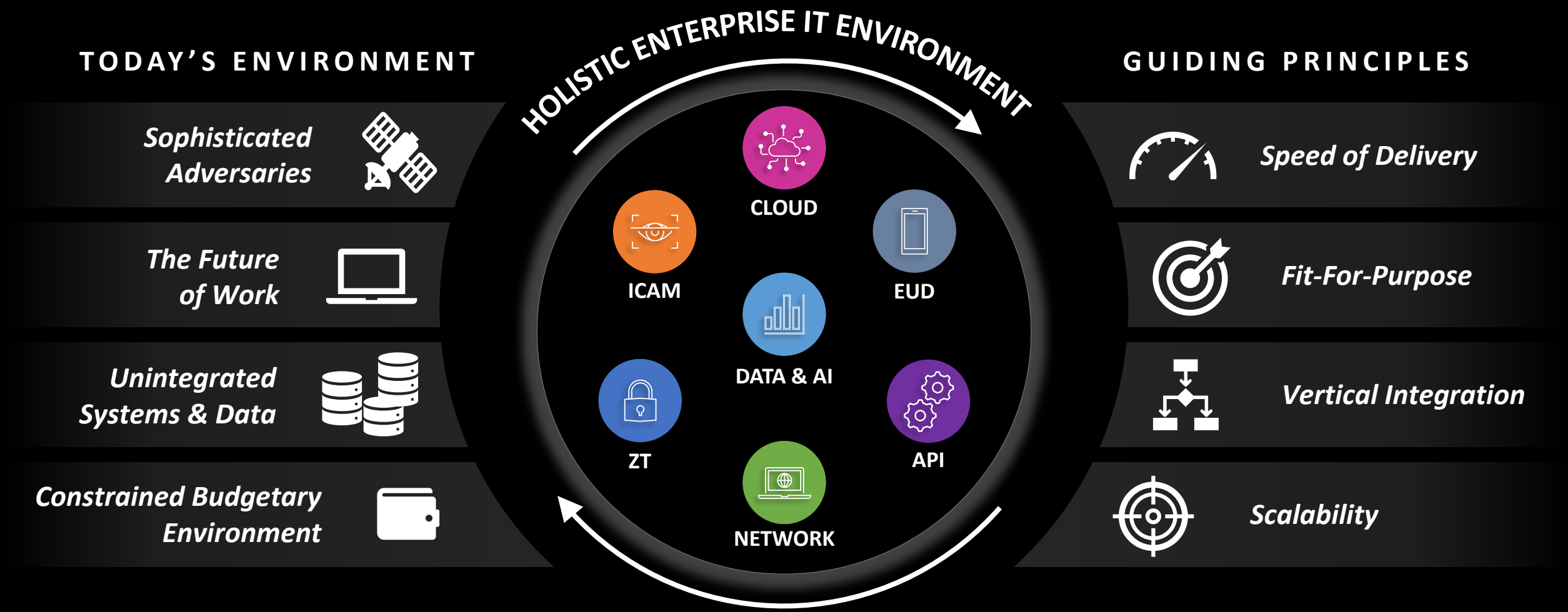
THE FUTURE OF DAF IT

JAY BONCI
DAF CTO



WHERE ARE WE NOW?

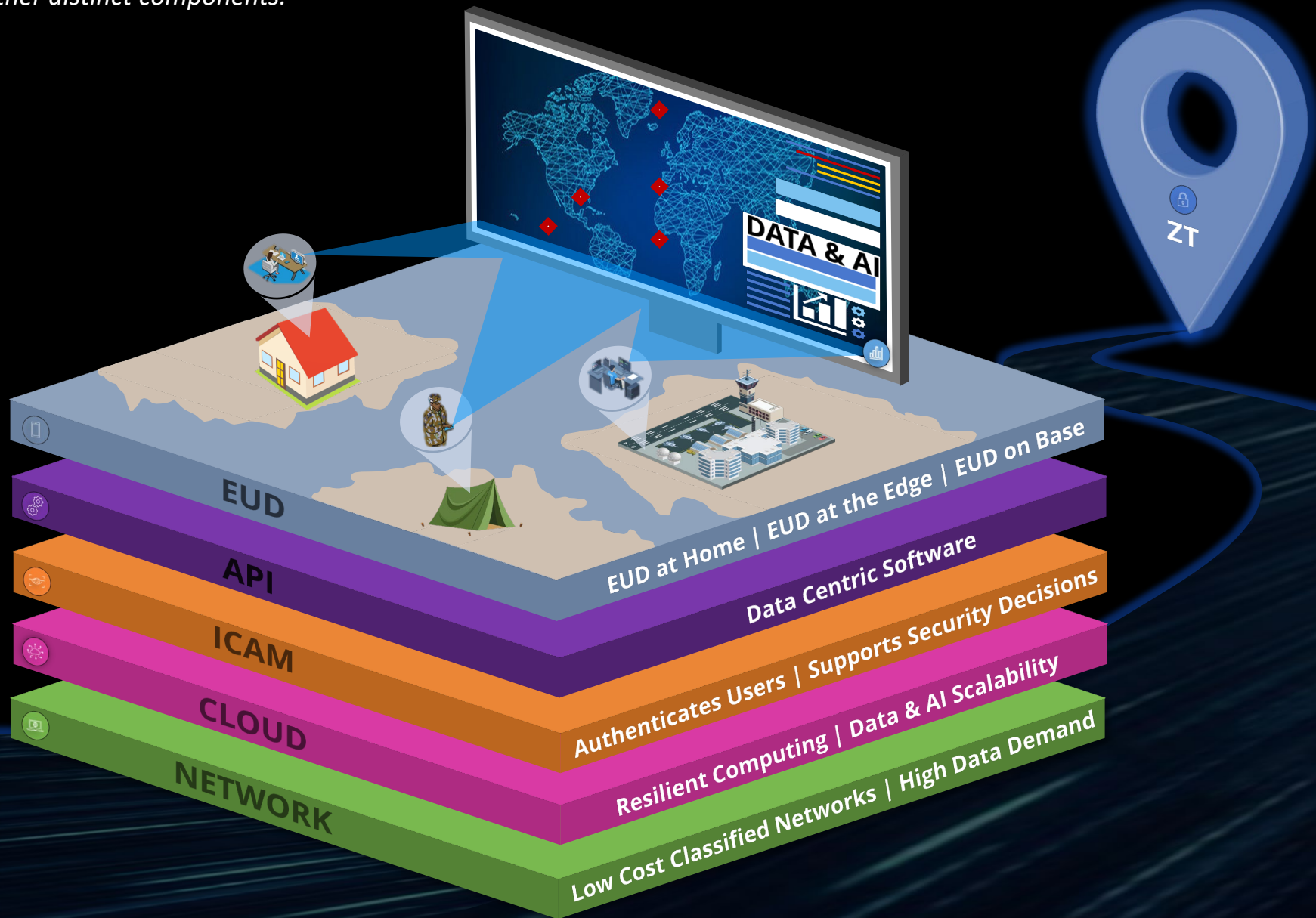
In response to today's adversarial environment and need for low-cost IT system integration, SAF/CN will deliver a holistic IT environment of *resilient* and *interconnected* systems that make the DAF more agile.



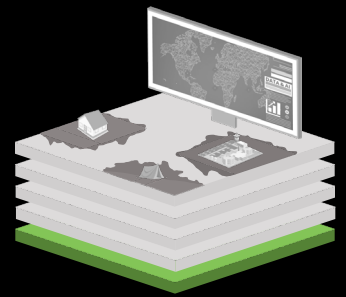


WHAT DOES A HOLISTIC ENTERPRISE IT ENVIRONMENT LOOK LIKE?

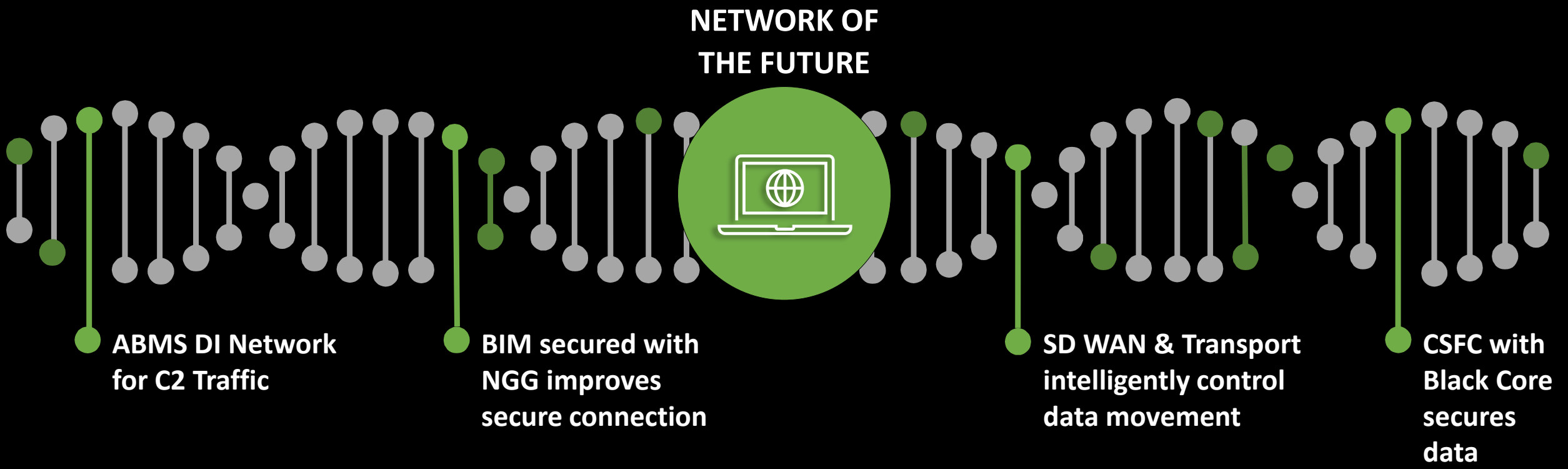
A holistic approach is imperative to keeping the DAF Enterprise IT environment agile. Modernization and improvement of each component must consider its impact on the other distinct components.



COMPONENT: NETWORK | FOUNDATIONS



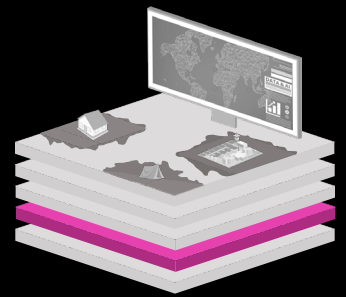
Underlying all other IT efforts, the Network of the future delivers resilient connectivity to data within – and outside – the Cloud while supporting the demands of increasing data flows for users at home and at the edge.



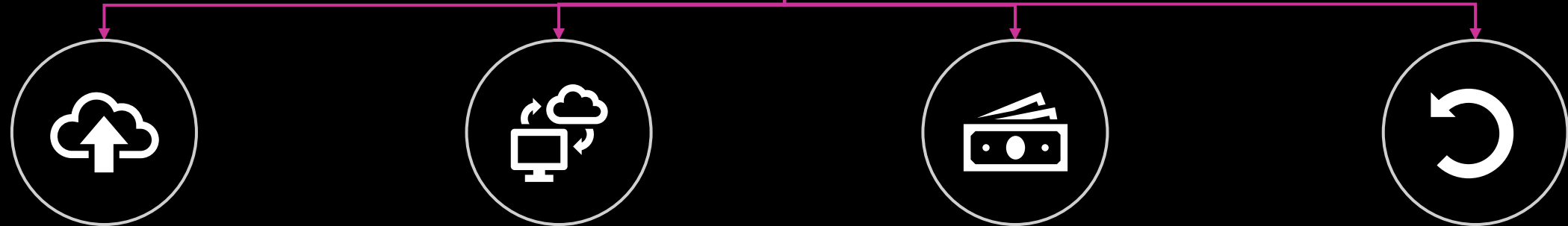
Where We're Headed...

Reduced emphasis on specialized network connections to take advantage of the resilience of commercial infrastructure

COMPONENT: CLOUD | RESILIENCE & ADOPTION



The Cloud supports the scalability the Air and Space Force’s technology base by providing support for vast amounts of data, flexibility for End User Devices, and a foundation for Zero Trust strategy in a cost-effective and efficient manner.



Cloud One provides guardrails to facilitate and standardize Cloud adoption

Service alignment between DAF Cloud Works and Cloud One maximizes portability & interoperability

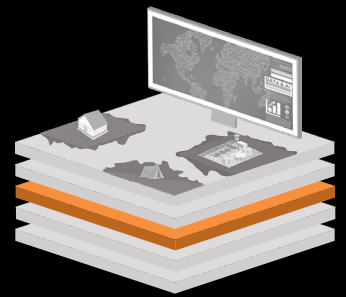
FinOps supports cost-efficient Compute & Store

Cloud-connected hardware brings resilience to the warfighting edge

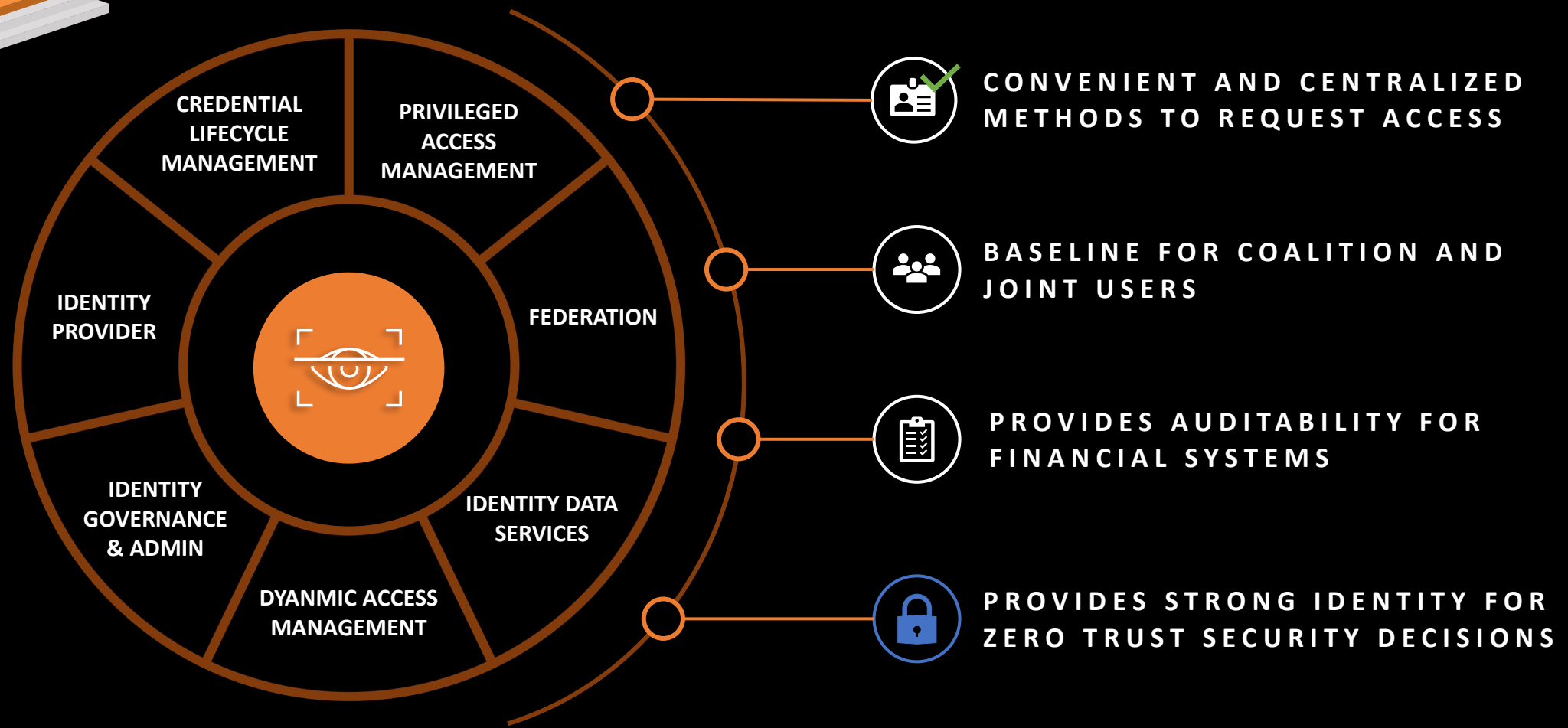
Where We're Headed...

Resilient infrastructure supporting cross-collaboration in data rich environment

COMPONENT: ICAM | AUTHENTICATION



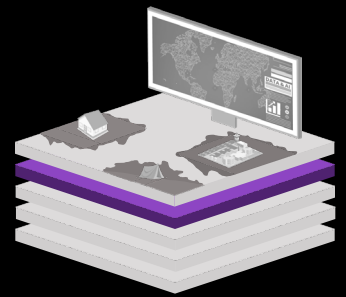
ICAM is fundamental to DAF IT improvement, providing a means of security and auditability for all authorized users that access DAF systems, while also protecting those systems from both insider threats and external adversaries.



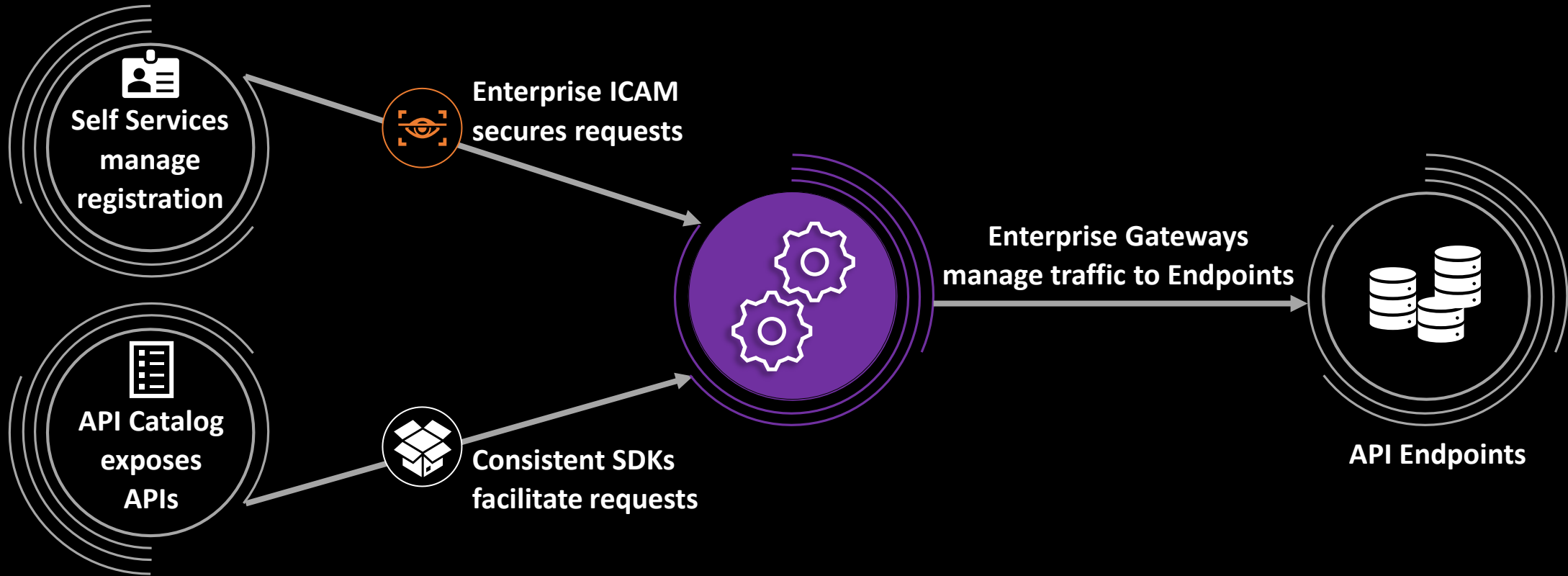
Where We're Headed...

Strong identity with a unified enterprise ICAM solution that balances convenience with security

COMPONENT: API | INTEROPERABILITY



APIs and Data Access, coupled with the enterprise ICAM solution, enables secure data and software interface access between systems and organizations, delivering the secure interoperability necessary to win the future fight.



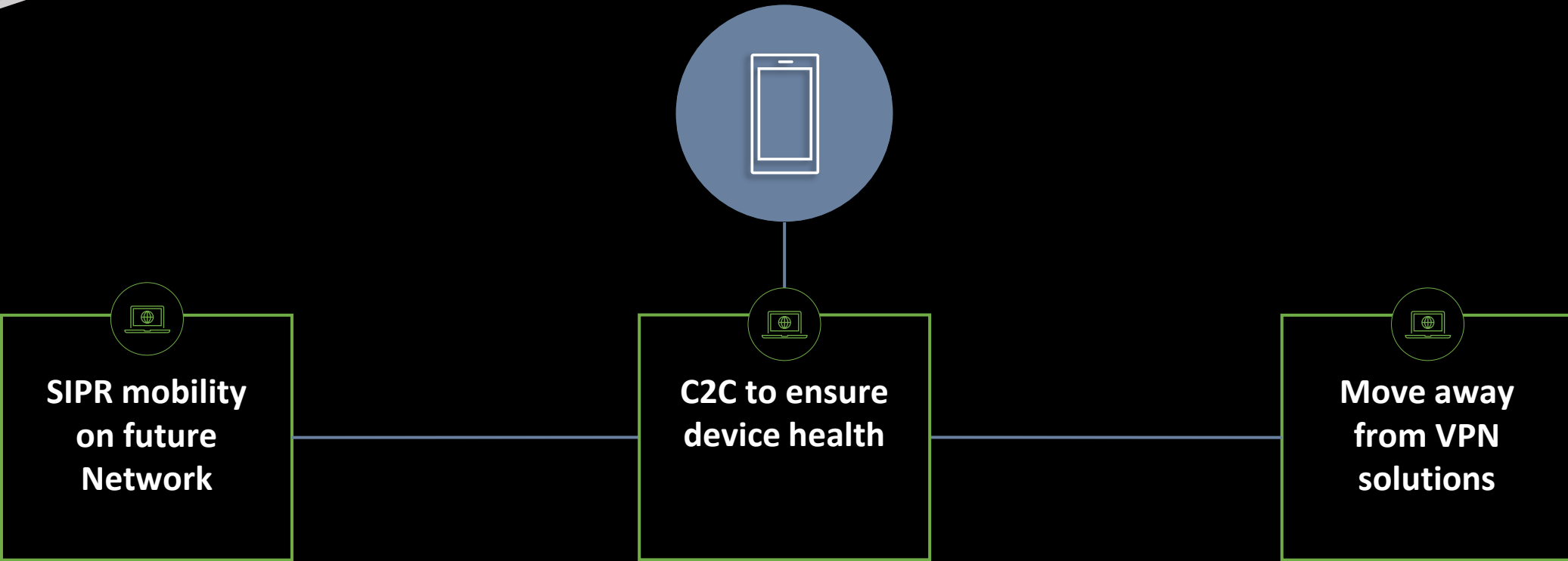
Where We're Headed...

Standardize application and data interfaces to deliver security, accessibility, interoperability, and scalability

COMPONENT: END USER DEVICES | MEASURING SUCCESS



Success in End User Devices measures the success of all other IT efforts: through a user's ability to access networks at a low cost to the enterprise, to work effectively at home and at the tactical edge, to realize the benefits of data-empowered decision making, and to work without concern for cyber threats.



Centrally managed EUDs will evolve alongside the Network of the Future

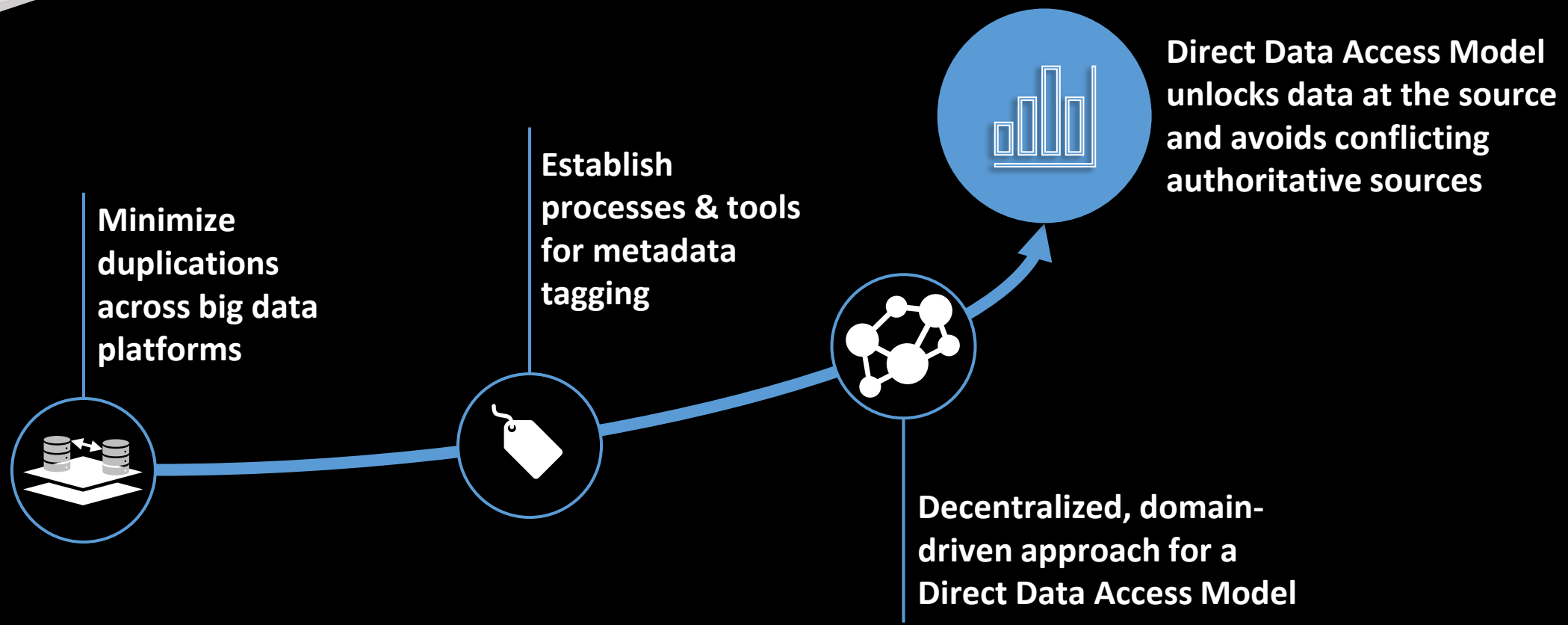
Where We're Headed...

The ability to take advantage of the holistic IT environment that balances cost, security, and convenience

COMPONENT: DATA & AI | ENHANCED ANALYSIS



Securely bringing together data from every corner of the DAF and its Cloud environments through APIs enables the DAF to take full advantage of AI, harnessing the decision-making power of its people.



Where We're Headed...

Data & AI tools that build on the success of the rest of the IT environment for enhanced analysis



Zero Trust sits at the heart of DAF IT modernization efforts, providing cyber readiness and resilience for users on all devices in the face of threats through ICAM, an integrated data ecosystem, automation, analytics, secure applications, and a reduced reliance on key network components.

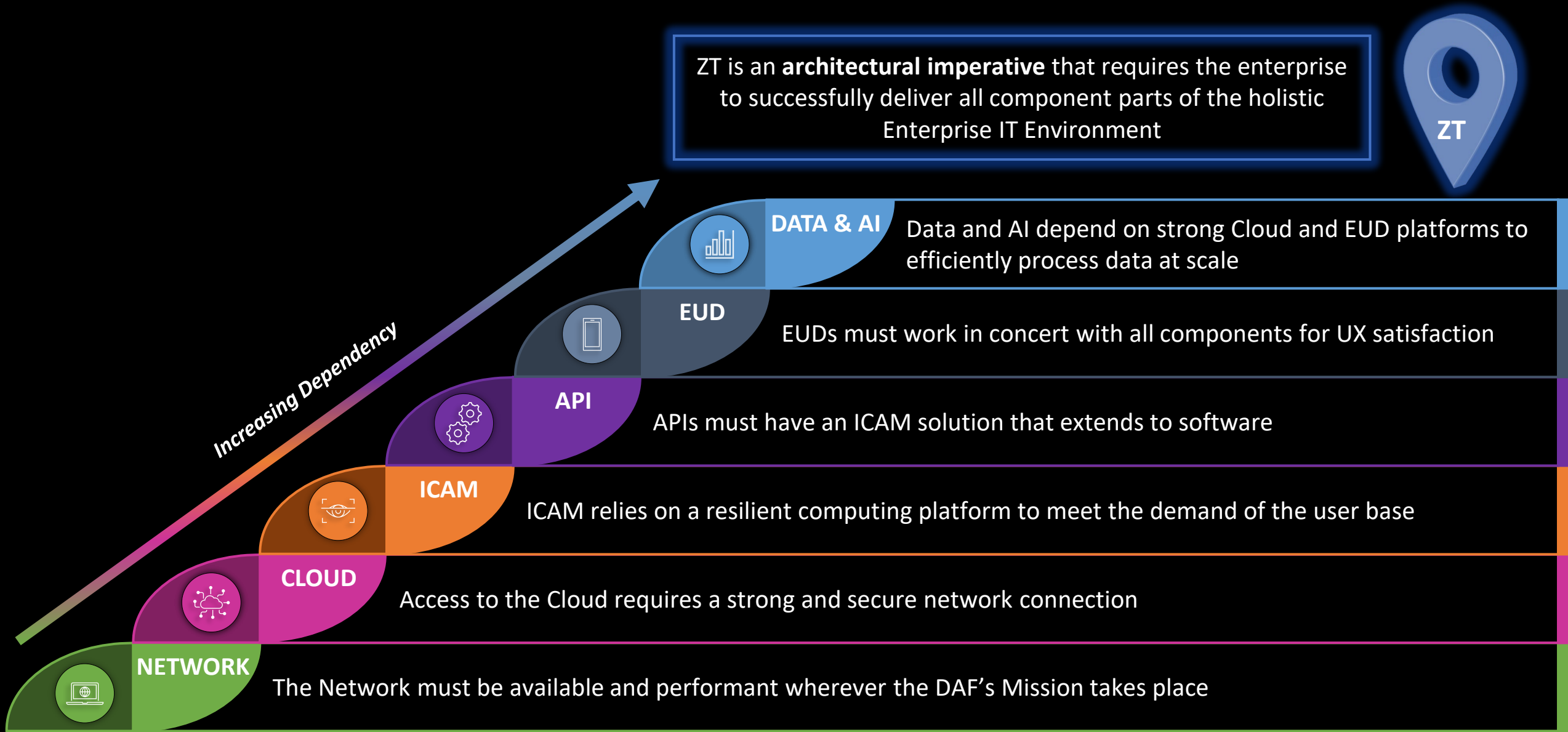


Where We're Headed...

HOW DOES THE HOLISTIC ENTERPRISE IT ENVIRONMENT WORK TOGETHER?



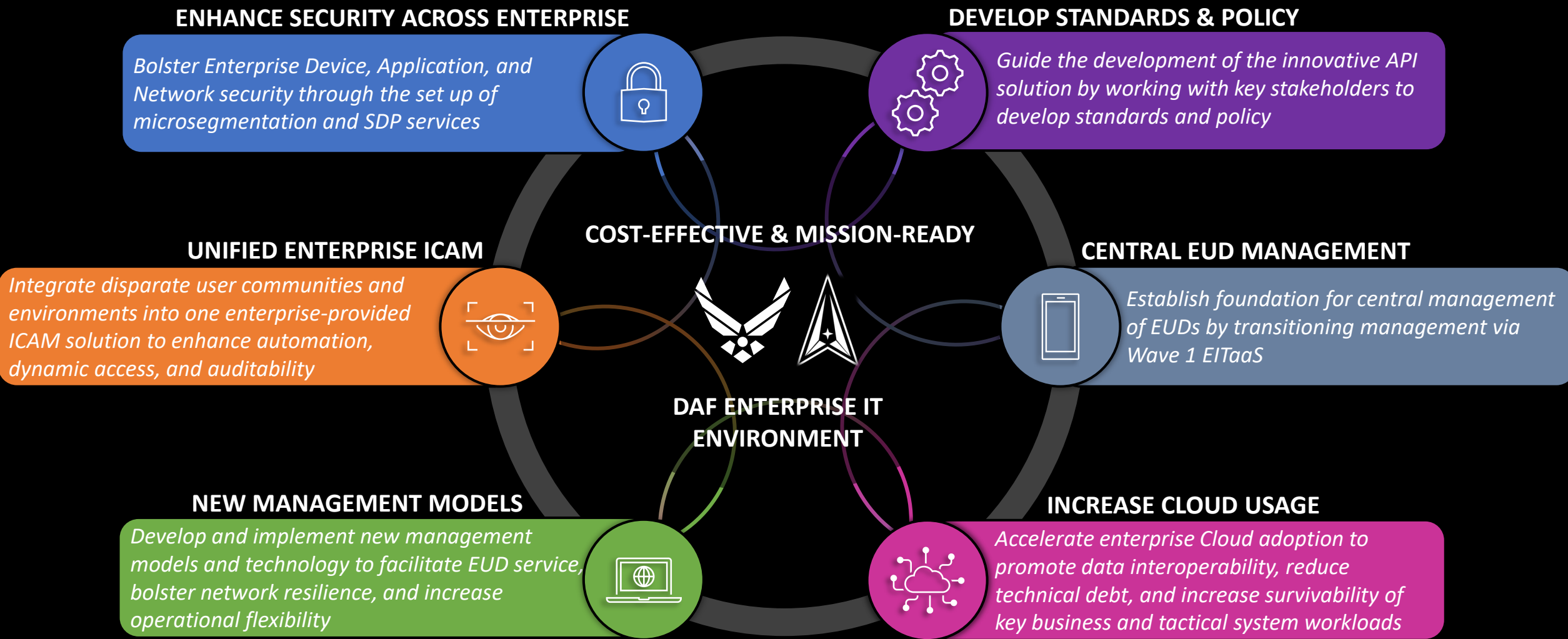
While the most foundational components of the Enterprise IT environment support the greatest number of components, they all work together to build toward ZT.



WHAT'S NEXT FOR THE HOLISTIC ENTERPRISE IT ENVIRONMENT?



To deliver the holistic Enterprise IT Environment, the DAF is taking critical steps over the next year to develop each component while remaining cost-effective and mission-ready.



BE ON THE LOOKOUT FOR...



Zero Trust Roadmap Quarterly Update
Spring 2024

API & Data Access Roadmap
Spring 2024

ICAM Roadmap 2.0
Spring 2024

Cloud Strategy
Summer 2024

Network Strategy
Summer 2024

QUESTIONS?

