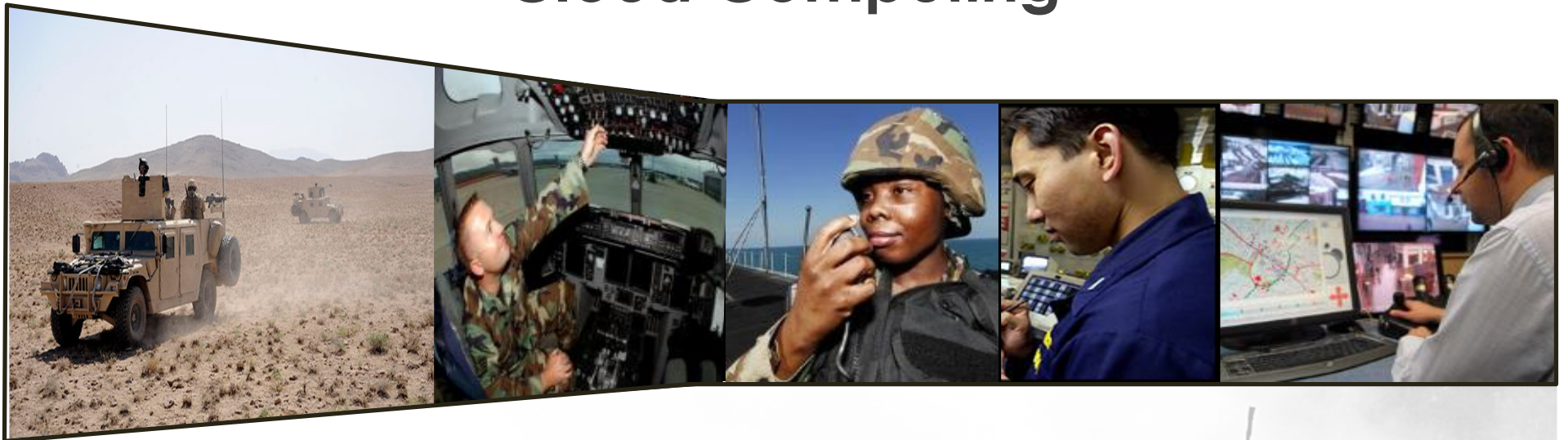


DoD CIO

Cloud Computing



Rob Vietmeyer



DoD Cloud Computing Strategy

Govern the DoD Enterprise Cloud

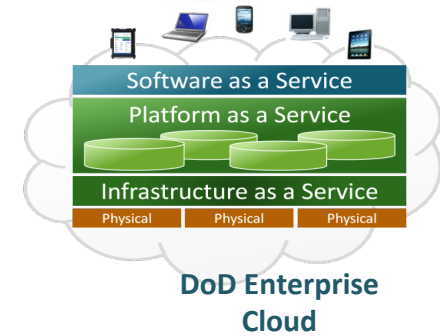
Optimize Data Center Consolidation

Establish the DoD Enterprise Cloud Platform

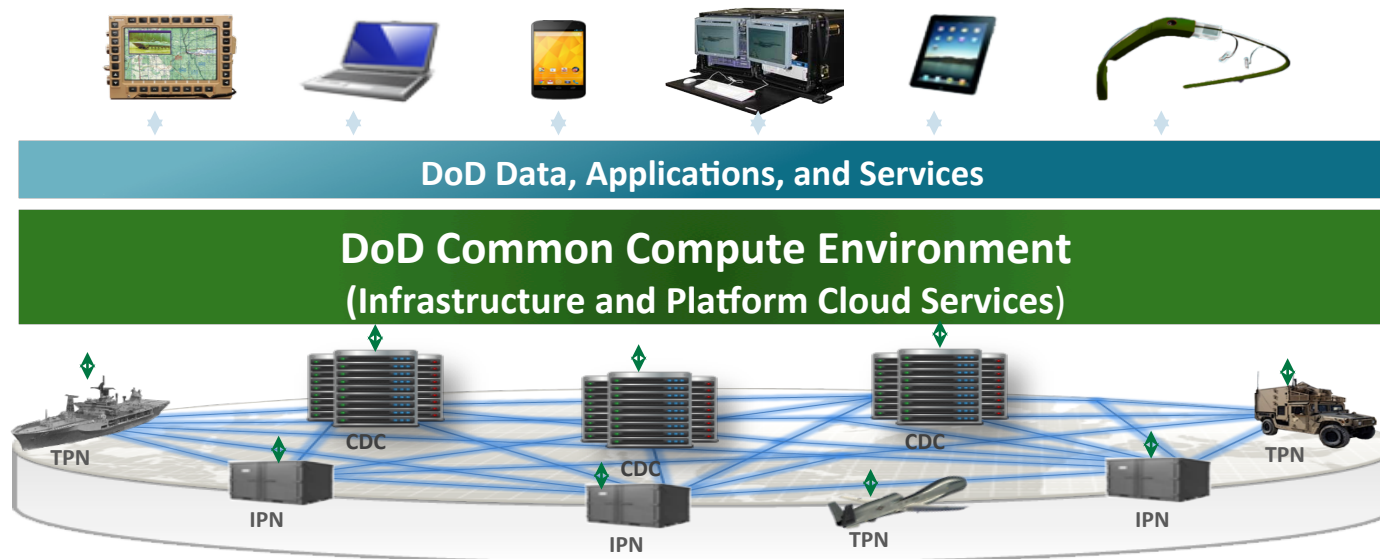
Leverage Commercially Provided Cloud Services



Current State

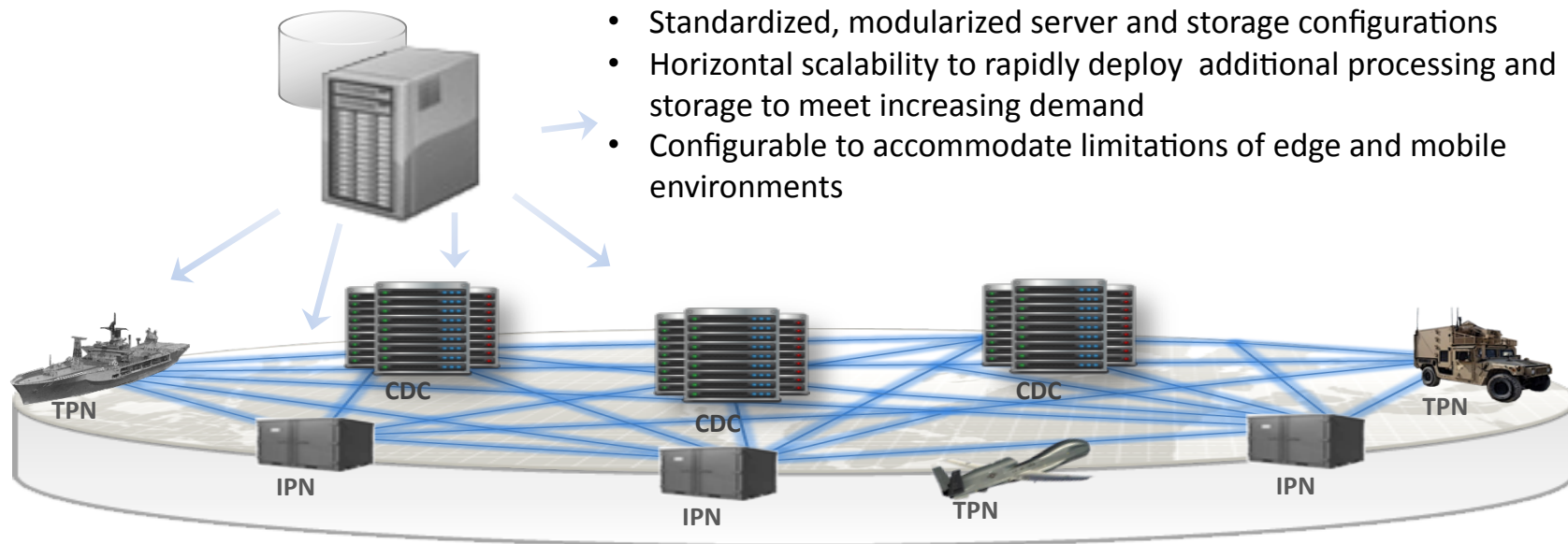


DoD Enterprise Cloud



- a private cloud environment seamlessly provided CONUS to tactical edge
- a common IT environment for:
 - delivery of a new generation of DoD information and data services
 - agile development and delivery of mobile, cloud, and web applications
 - migration and consolidation of legacy applications
 - Integrated cybersecurity capabilities for enhanced mission assurance

DoD Enterprise Cloud: Physical Layer



- Standardized, modularized server and storage configurations
- Horizontal scalability to rapidly deploy additional processing and storage to meet increasing demand
- Configurable to accommodate limitations of edge and mobile environments

Core Data Centers (CDC):

Installation Processing Nodes (IPN):

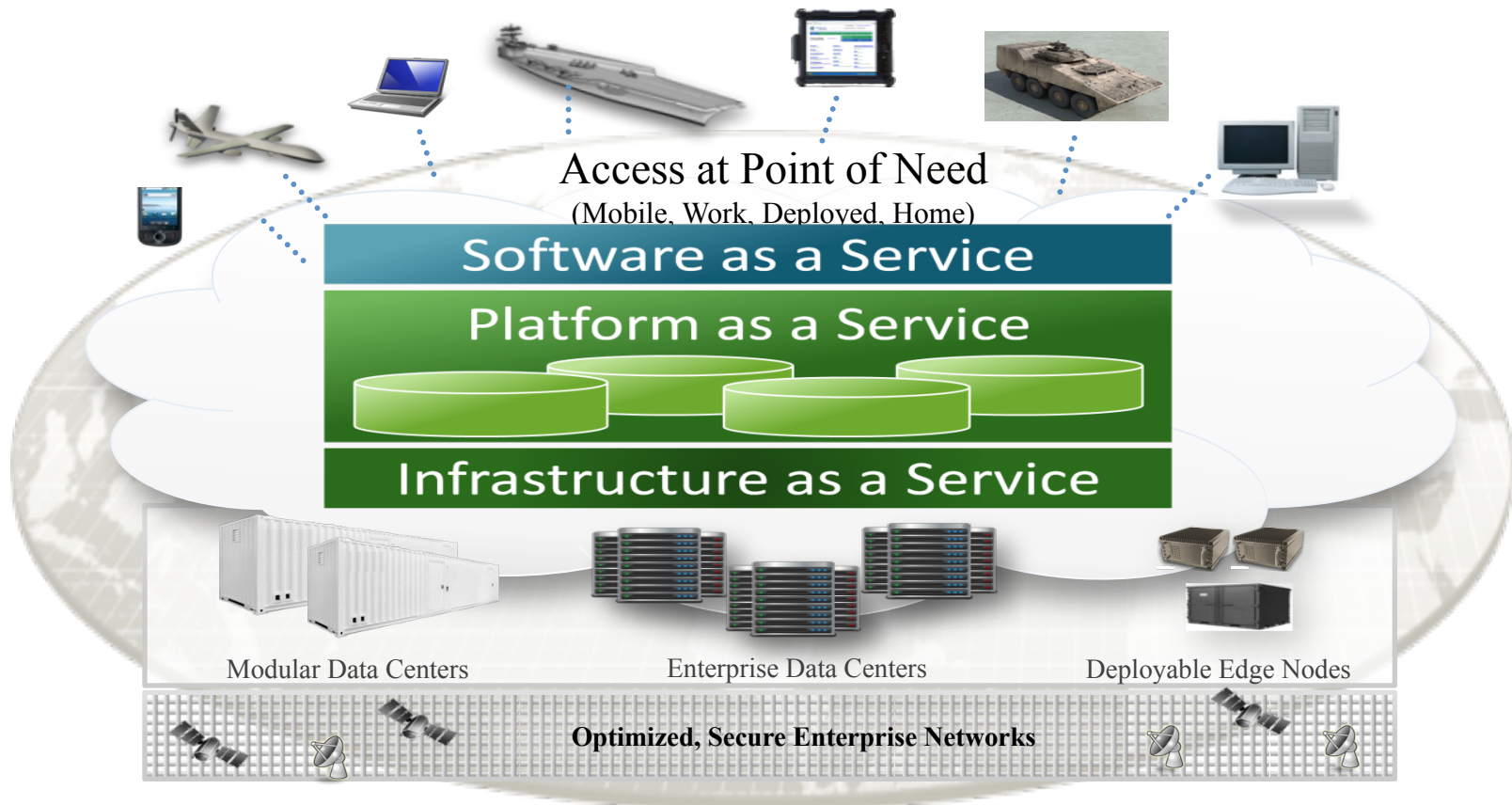
Tactical-edge Processing Nodes (TPN):

Large, fixed datacenters that provide the core infrastructure for the DoD cloud

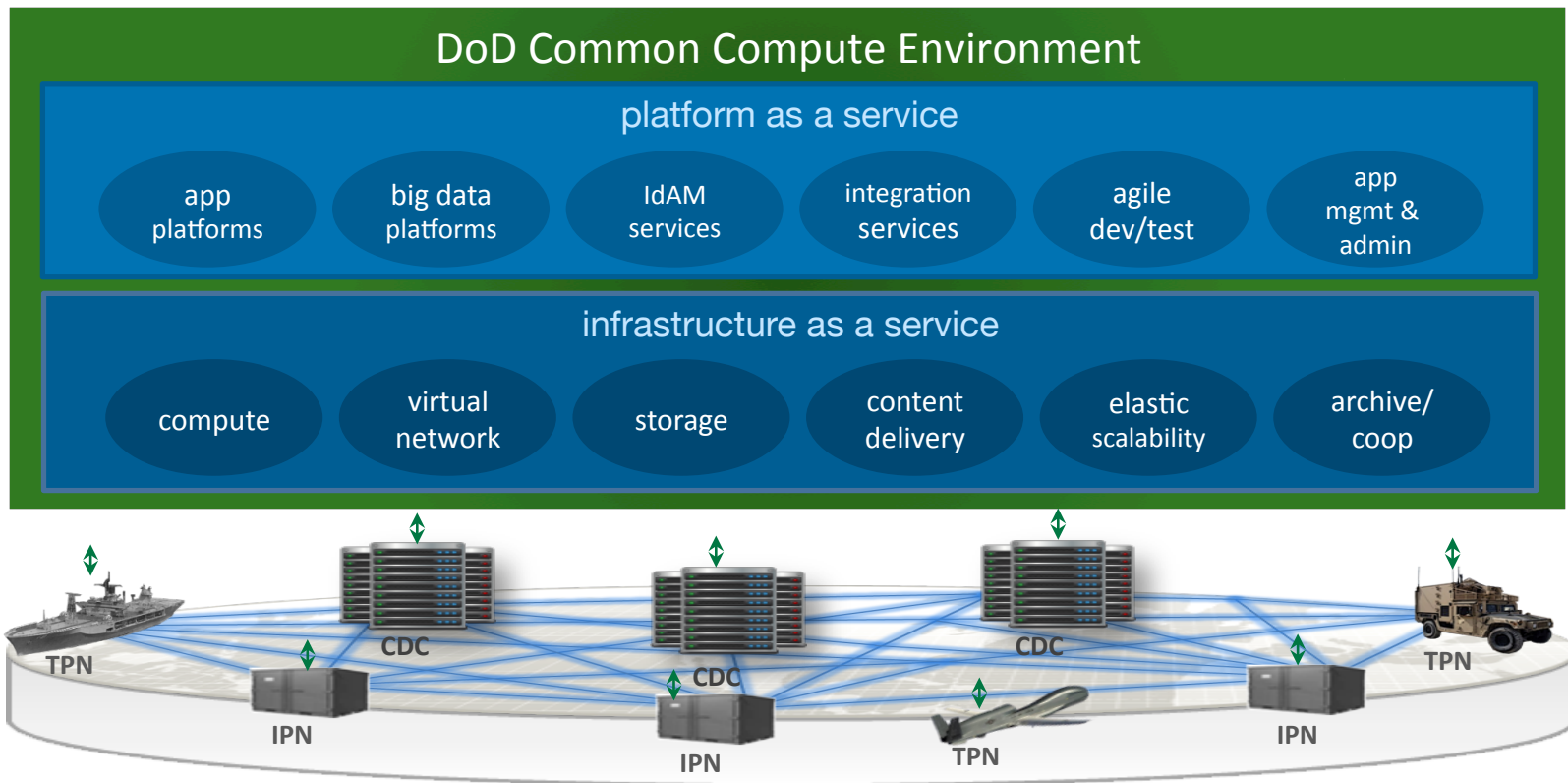
A fixed DoD data center serving a single DoD installation with local services

Tactical/Mobile nodes that provide core services in tactical environment

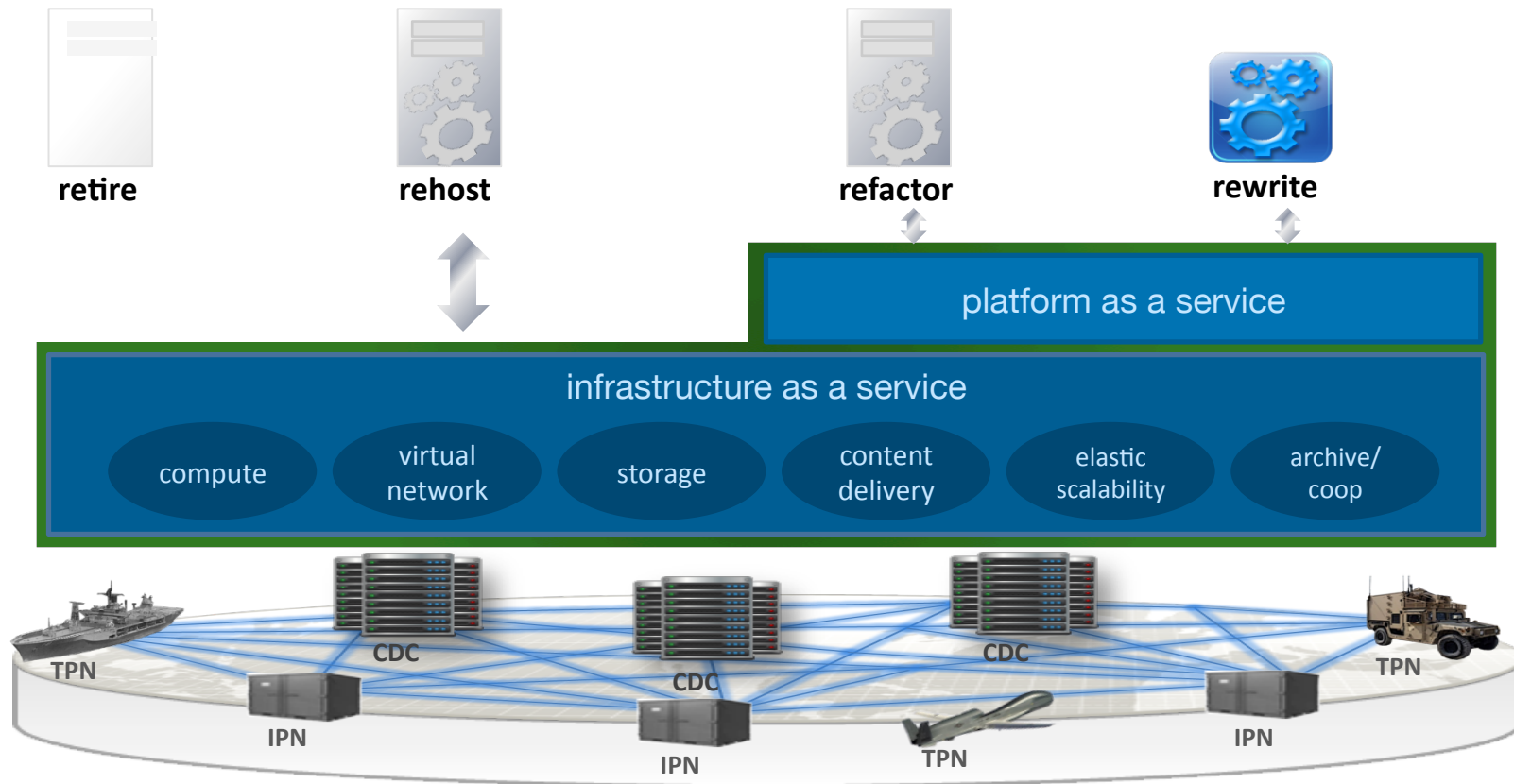
Establish the DoD Enterprise Cloud Platform



DoD Enterprise Cloud: Common Compute Environment



DoD Enterprise Cloud: legacy migration paths



DoD Enterprise Cloud

