

IT Footprint Progression in the Federal Government... and the role of Architecture

Organization Info Role

IT originally was built as a Federated cost center. IT moved into Agency Data Centers model for archive/records. Commerce Models of economy drove eGov without migrating IT to Service models. **Govt swamped in the T of IT, havent got back tot the I**

Trained Workforce

IT Acquisition originally was about financing/leasing federated shared manufactured systems **Then Client/Server came**, which is solution architecture, and 1000s of stacks came. **Acquisition never got trained or linked with EA**, and engineering mostly got outsourced

Data Center Footprint

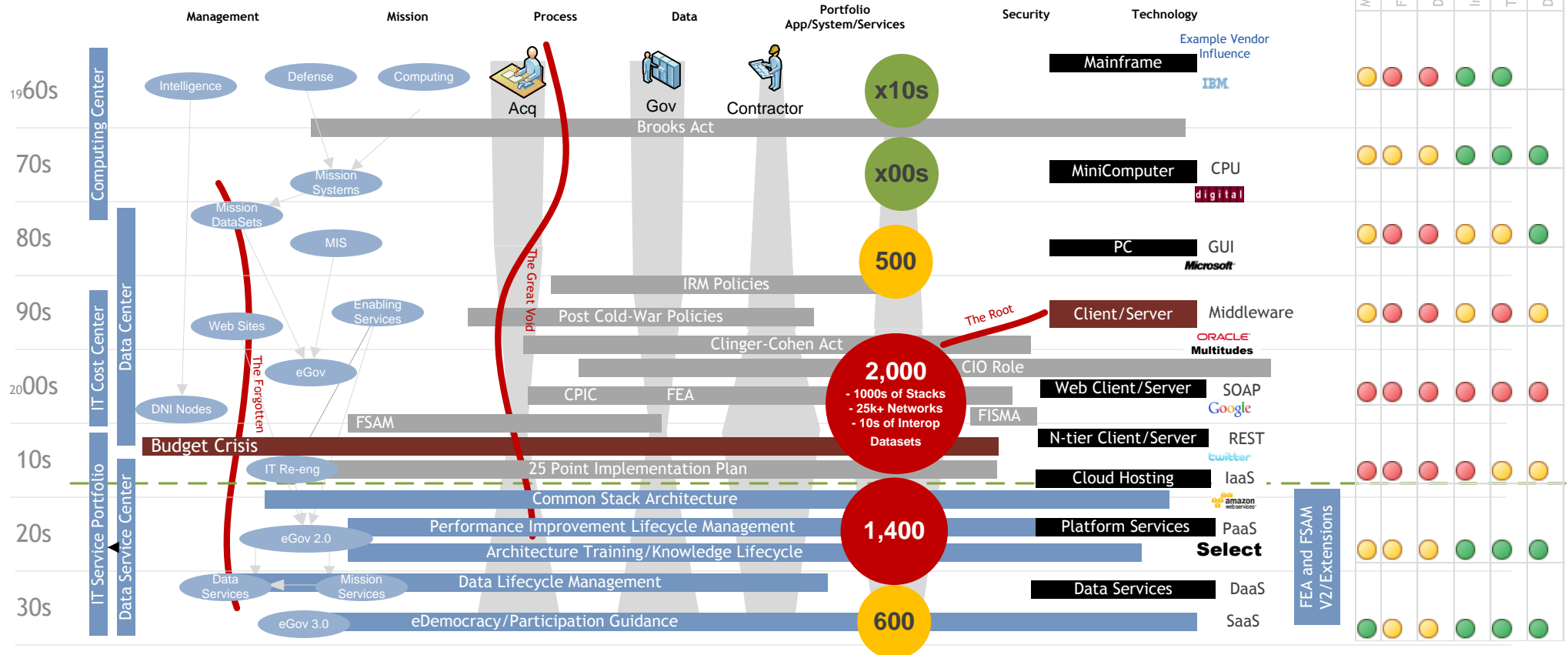
Federated Regional Centers moved to Mission Centers moving to Server Rooms due to 1000s of system configurations. Initial FDCCI will close 1/3 of the portfolio count, but other 2/3s will have high transition costs

Technology Stack

IT stack started monolithic and slowly mover into server tiers then into service components. Though reduced individual system develop. cost, O&M Total Cost of Ownership was ignored and system security and interoperability was low

Architecture Role

Where has EA played during this progression



- Institutionalized Funding for Enabling G2G IT Services at GSA
- Position G2C Services as High-Available Service Centers
- **Focus Mission on Data Services training on Data Lifecycle** that allows Private, NGO, Citizens to build on top of
- Increase EA role in support of mission and policy analysts for depth reach back to increase new political appointee effectiveness and limit turnover/ takeover disruption

- Position EA as depth knowledge base for acquisition guidance reachback
- **Train all 3 workforce components on Performance maturity, Common Stack Architecture, and FEA/FSAM v2**
- Establish CIO and EA relationship formerly with Acquisition
- Retire ineffective, existing burden to demonstrate credibility, eating own dog food, and increase success chances

- Increase CMMI/ITIL Requirements to lower O&M
- Continue FDCCI
- Guide 2nd Consolidation Phase through taking advantage of CPIC renewal or new system cycles to assure re-use of new platform or data services in new shared platform environments to avoid simple hardware/system "cowpath" migration

- **Establish a Common Stack Architecture to be cloud managed service platforms by Select** Large Agencies, waived Large Programs, and GSA
- Manage a True Common Stack Portfolio definition and implementation status
- Target New Solutions and Existing Systems for collaborative evaluation