# **CPET 581 Cloud Computing: Technologies and Enterprise IT Strategies**

# **Federal IT Strategies and Architectures**

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A Specialty Course for Purdue University's M.S. in Technology Graduate Program: IT/Advanced Computer App Track

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### References

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- [3] Federal Enterprise Architecture (FEA), http://www.whitehouse.gov/omb/e-gov/fea
- [4] Common Approach to Enterprise Architecture, May 2, 2012, <a href="http://www.whitehouse.gov/sites/default/files/omb/assets/egov\_docs/common\_approach\_to\_federal\_ea.pdf">http://www.whitehouse.gov/sites/default/files/omb/assets/egov\_docs/common\_approach\_to\_federal\_ea.pdf</a>
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- [7] Federal Enterprise Architecture Framework, version 2, Jan. 29, 2013, <a href="http://www.whitehouse.gov/omb/e-gov/fea">http://www.whitehouse.gov/omb/e-gov/fea</a>
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## Federal IT Shared Services Strategies [1-5]

- Memo for Federal Agency ClOs: Increasing Shared Approaches to Information Technology Services, Office of Management and Budget, Executive Office of the President, May 2, 2012, <a href="http://www.whitehouse.gov/sites/default/files/omb/assets/egov\_docs/sharedapproachmemo\_0502.pdf">http://www.whitehouse.gov/sites/default/files/omb/assets/egov\_docs/sharedapproachmemo\_0502.pdf</a>
- IT Service delivery categories: mission, support, and commodity areas
- Shared approach
  - Improve return on investment
  - Close productivity gaps
  - Increase communications with stakeholders
- Implementation and Enterprise Roadmap

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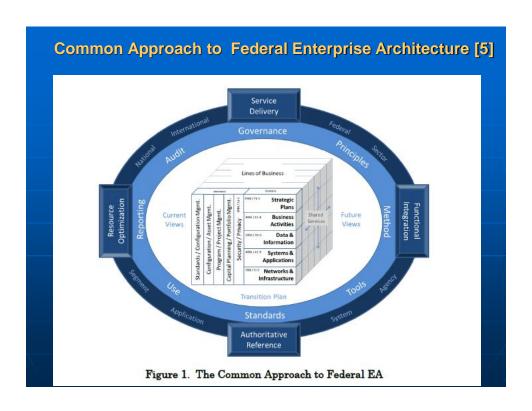
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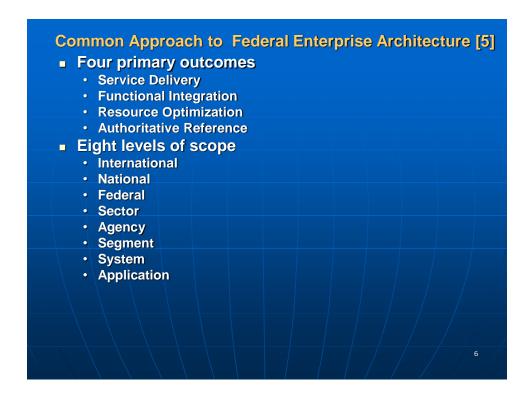
# Federal IT Shared Services Strategy (cont.)

- Implementation and Enterprise Roadmap
  - (1) Business and Technology Architecture
  - (2) IT Asset Inventory
  - (3) Commodity IT Consolidation Plan
  - (4) Line of Business Service Plan
  - (5) IT Shared Service Plan

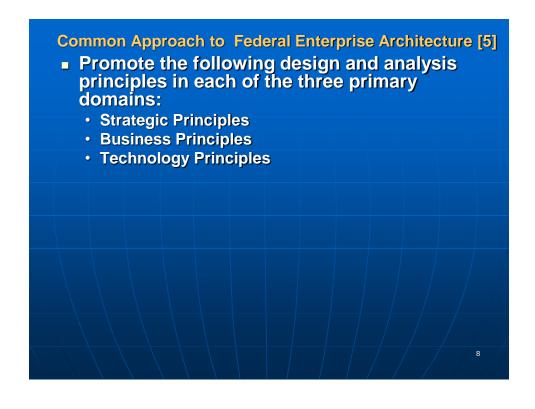
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Architectural		Mission	Planning	
Level	Scope	Impact	Detail	Audience
International	U.S. & Other Governments	Global Outcomes	Low	All Stakeholders
National	U.S Wide	National Outcomes		
Federal	Executive Branch	Government Outcomes		
Sector	Multiple Agencies	Mission Outcomes	Medium	Business Owners
Agency	One Agency Organization	Mission Outcomes		
Segment	One or More Business Units	Business Outcomes		
System	One or More Systems	Functionality	High	Users and Developers
Application	One or More Applications	Functionality		



# Federal Enterprise Architecture Framework [7] Six Architecture Domains (1) Strategy (2) Business (3) Data (4) Applications (5) Infrastructure (6) Security

