Module 2 Service Technology Concepts

JSON
— technologies
- JSON Schema
- JSON Pointer
- JSON Patch

XML
— technologies
- XML Schema
- XSLT
- XQuery
- XPath

Service Roles
- service provider
- service consumer
- initial sender
- ultimate receiver
- intermediary
  - service agents
  - intermediary services

HTTP Methods
- GET method
- PUT method
- POST method
- DELETE method

Web Services
- industry standards (WS-*)
  - WS-Addressing
  - WS-Policy
  - WS-Security
- industry standards (basic)
  - SOAP
  - WSDL
  - XML Schema

REST Services
- architectural properties
  - performance
  - scalability
  - simplicity
  - modifiability
  - visibility
  - reliability
- architectural constraints
  - client-server
  - stateless
  - cache
  - layered system
  - code-on-demand
  - uniform contract

Standards Organizations
- IETF
- Open Container Initiative
- Open API Initiative
- W3C
- OASIS
- OMG

Cloud
- deployment models
  - public cloud
  - private cloud
  - community cloud
  - hybrid cloud
- delivery models
  - IaaS
  - PaaS
  - SaaS
- characteristics
  - on-demand usage
  - ubiquitous access
  - multitenancy
  - elasticity
  - measured usage
  - resiliency

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Official Mind Map Supplement