



Composable UCore Services Prototype (CUSP) Overview

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What is the CUSP?

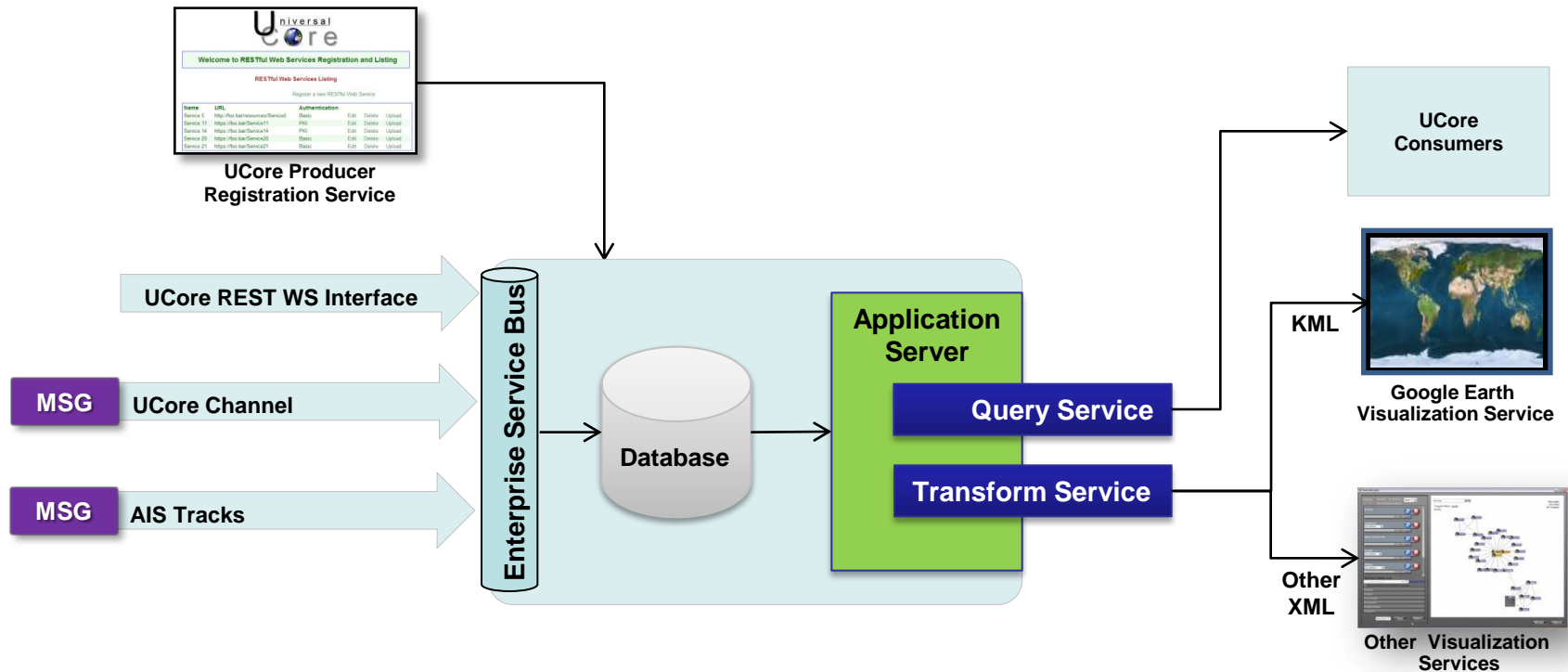
- **Composable UCore Services Prototype is a set of services for rapidly integrating and demonstrating interoperability across UCore implementations**
- **Strategy:**
 - Provide rapid integration environment for UCore implementers
 - Use a common vocabulary and NCES to make data visible, accessible, and understandable
 - Dynamically incorporate new UCore data producers
 - Facilitate a net-centric information sharing process
 - Leverage existing systems, don't build new ones

What is the CUSPs Value?



- **Facilitates UCore adoption by providing rapid integration environment**
- **Risk reduction for all SOA efforts, including CANES, NCES**
- **Allows data consumers access to a variety of UCore message to ensure their web services can ingest and process consistently**
- **Allows data producers to integrate their web service with a UCore web service client and demonstration capability through visualization tools**
- **Reusable services increase interoperability across UCore instantiations**
- **Potential for identifying additional capabilities emerging from the aggregation of data in a common format in a Net-centric data environment**
- **Provides foundation for data analysis and data fusion experimentation**

UCore Services Prototype



Data Producers

- Automatic Identification System (AIS) – Live, 6/24 channels
- City of Colorado Springs Vehicle Positions – Live, 6 agencies
- NORTHCOM COP data
- Other unanticipated information sharing partners

Data Consumers

- KML consumers, ex. **Google Earth**
- Other visualization tools, ex., **Palantir**
- COT
- JBFS
- Other UCore enabled consumers

NCES Services Leveraged

MSG Messaging Service



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<https://software.forge.mil/sf/projects/DESC>



Search

Fly To Find Businesses Directions

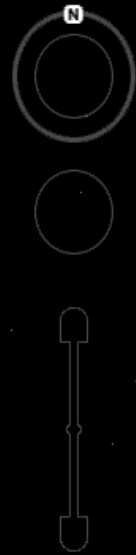
Fly to e.g., San Francisco

Places Add Content

- My Places
 - Somali_Pirate_Coast.kmz
 - April 28 2010 - May 1 2010
 - UCore data: ec6c9a75-69...
 - Wave_Height(meters)
 - Wave_Height(meters)
 - Temporary Places

Layers

- Street View
- Weather
 - Clouds
 - Radar
 - Conditions and Forecasts
 - Information
- Gallery
- Global Awareness
- More
 - Parks/Recreation Areas
 - Geographic Features
 - Place Categories
 - Transportation
 - Traffic
 - Wikipedia



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10°05'21.51" N 50°03'48.99" E elev 0 m

Eye alt 12927.39 km

Questions?