

Enterprise Temporal Web Services in Disaster Management Planning

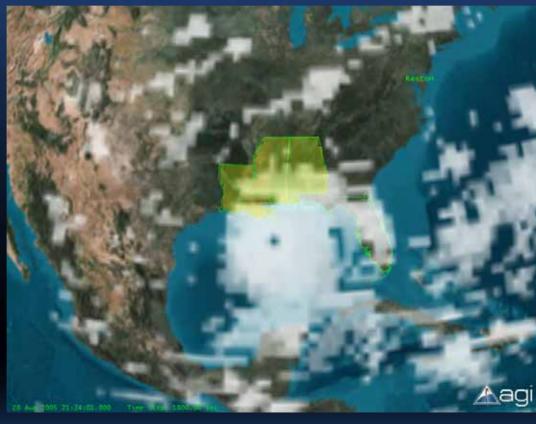
ESRI Federal User Conference 10 JAN 2006



Problem Statement



• Major Natural Disaster



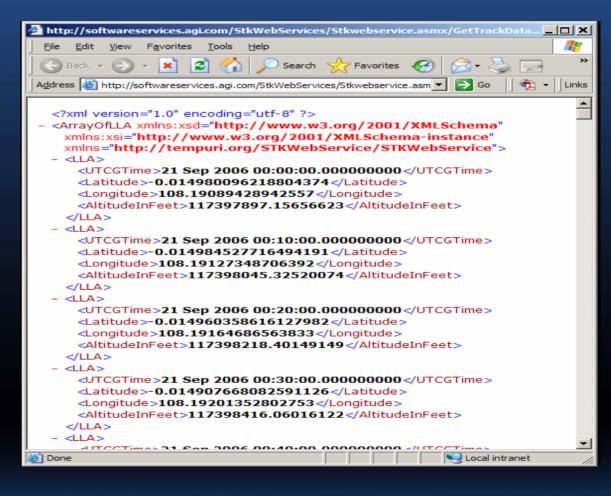




Problem Statement - Needs



- Communication
 - Ground based
 - Satellite
- Commercial imagery support
- Integration into Enterprise Architecture









 Application accurately analyzes dynamic objects in real or simulated time

– Realtime

- Reacting to an event
- Modeled
 - Analytical mode (pre and post event)









AGI Technology Demonstration – Hurricane Katrina Scenario







AGI basics



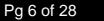




Time-dynamic position and attitude

Where am I now? Where will I be? How am I oriented?







AGI basics



www.agi.com

Relationships among objects and areas

Who can I "see"? Who can "see" me? Can we all "see" each other?



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AGI basics



<u>Quality of relationships</u> Are there any obstructions? Lighting & weather conditions? What is my SNR? Will platforms collide?

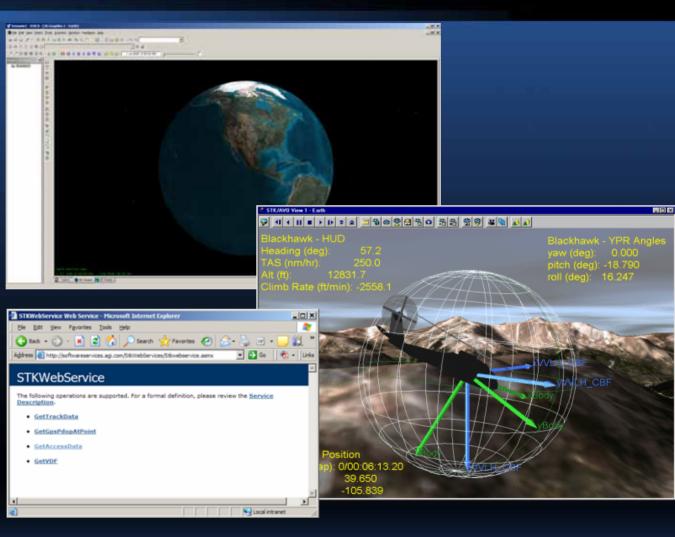


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AGI Technology Modes



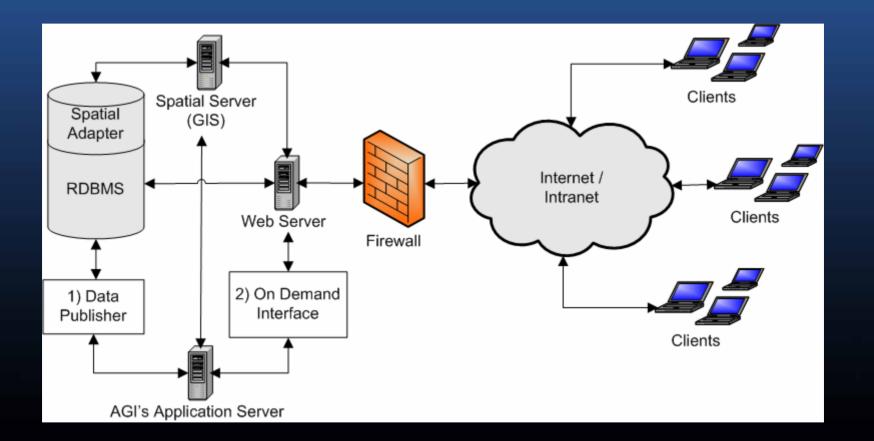
- Desktop
- Integrated
- Server





Example AGI SOA



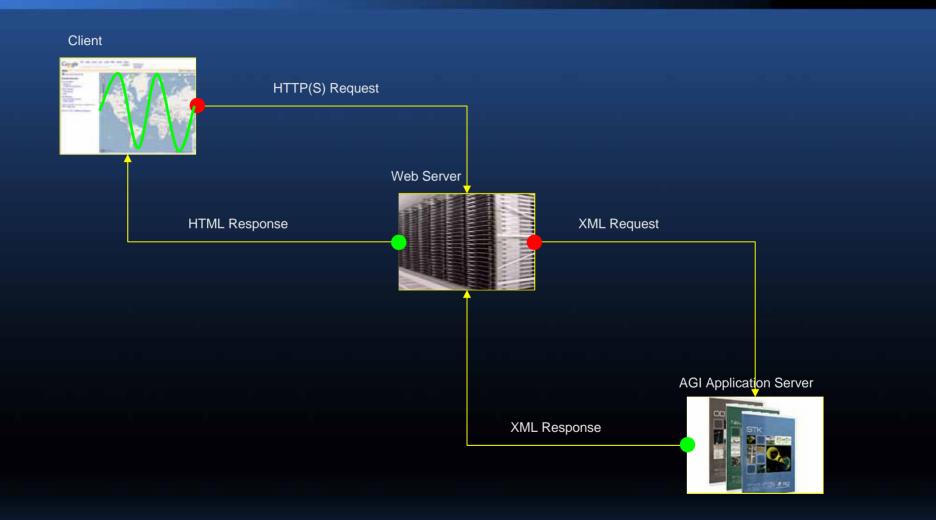




Sample Web Service

AG







Real world implementation



- Robert Marsters GeoDecisions
- FEMA / IRRIS Demo











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