Creating Complex Applications Via Self-Adapting Autonomous Agents in an Intelligent System Framework

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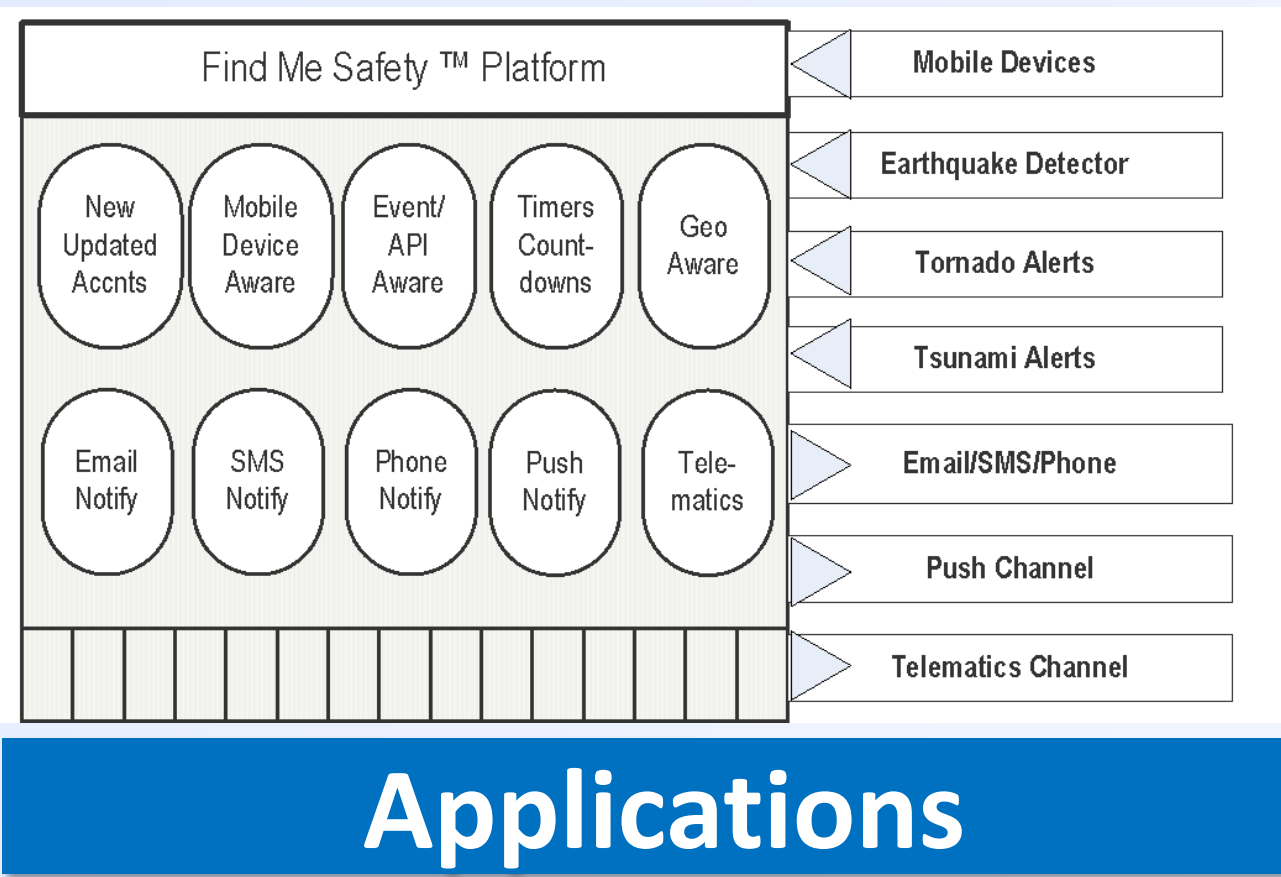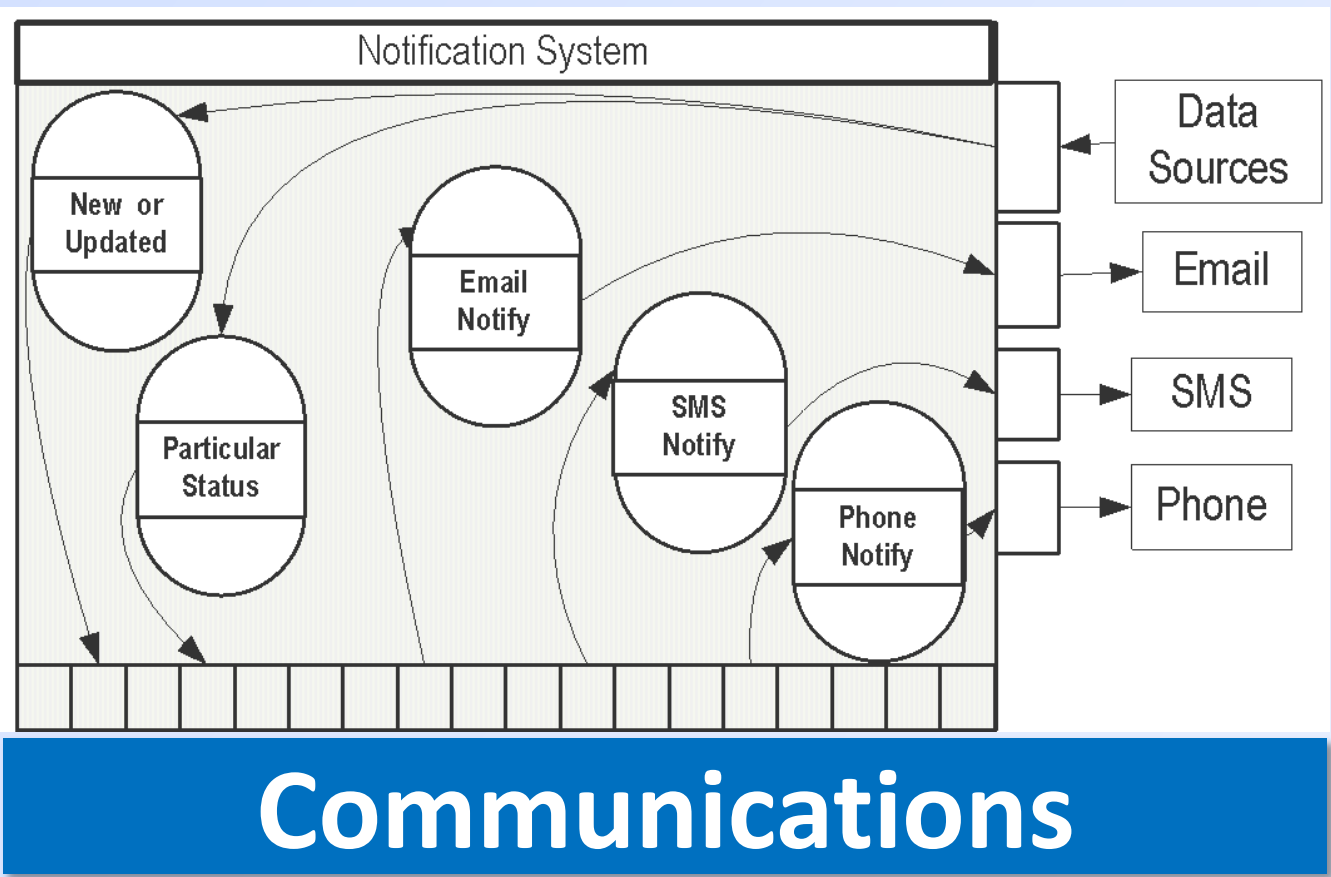**Echo Messaging Systems, Inc.**
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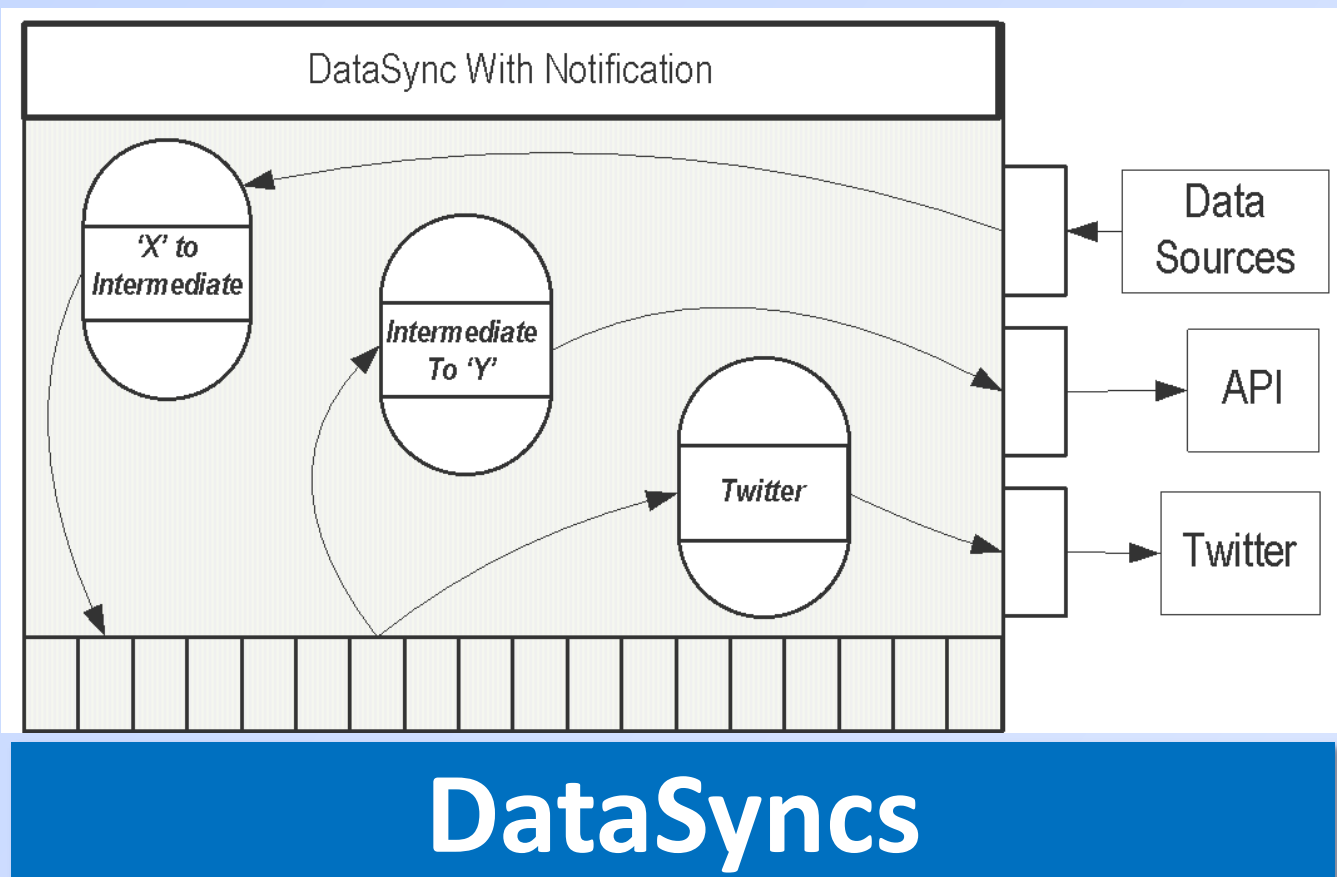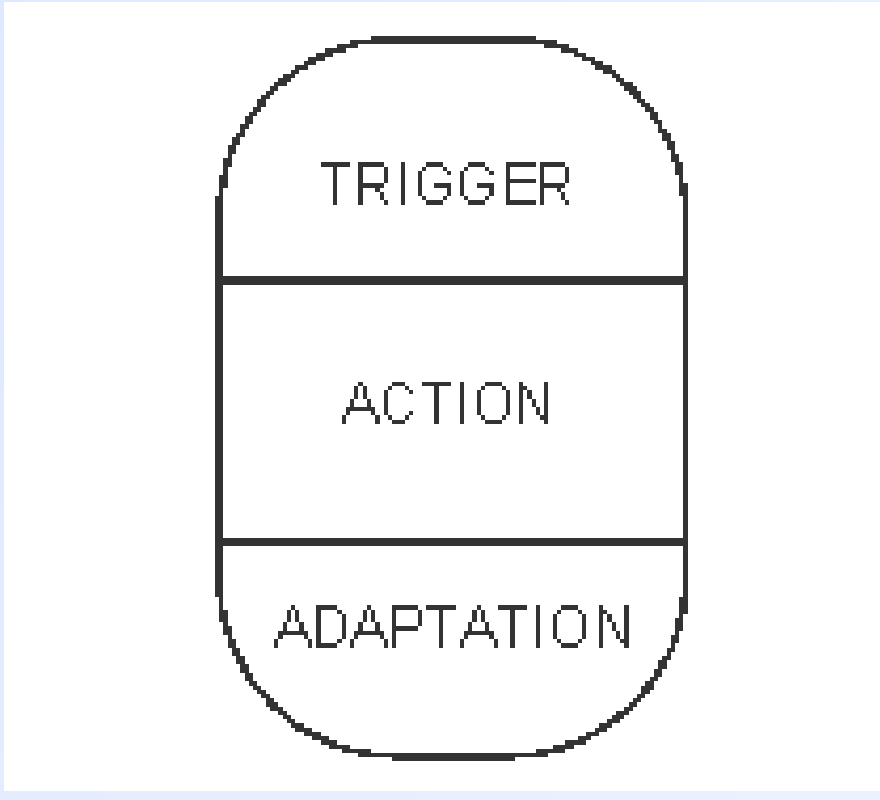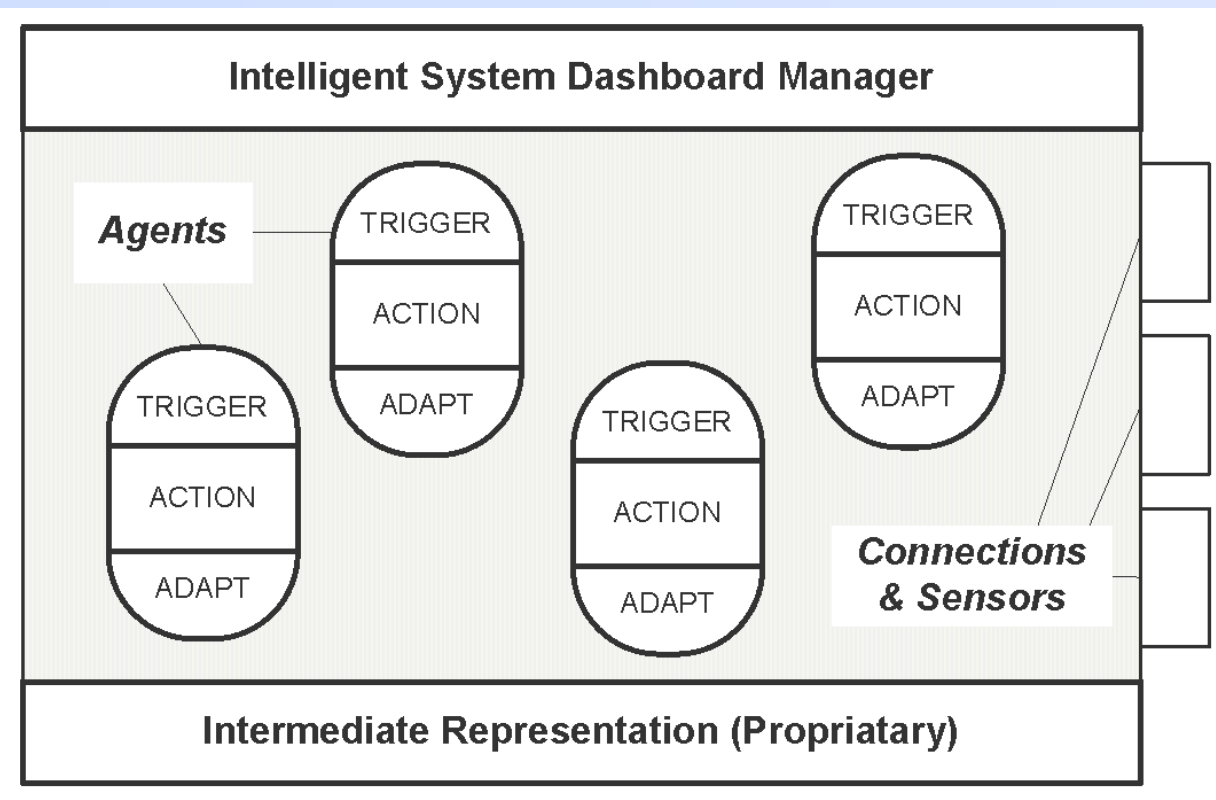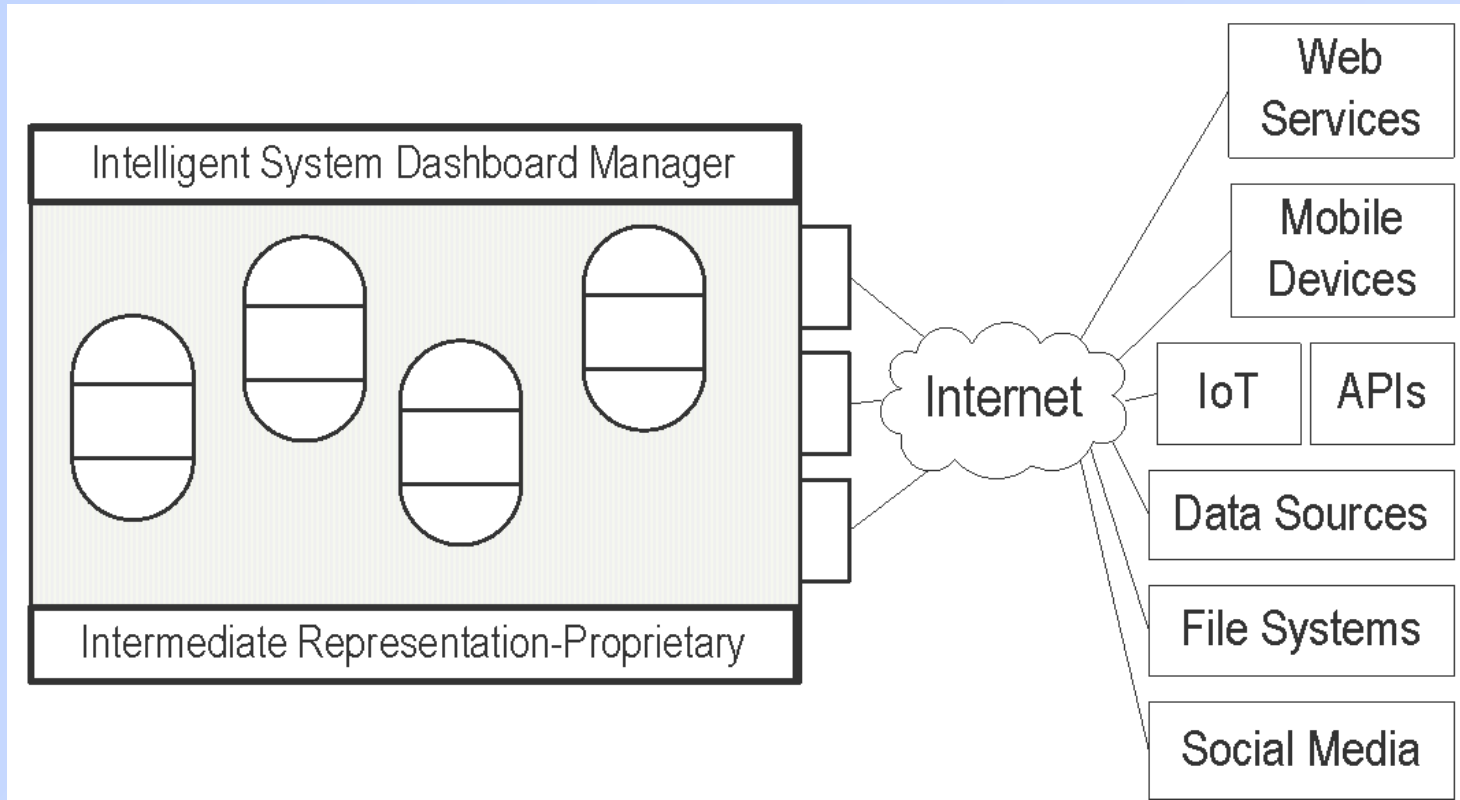gerald@echomessaging.com

Process and Components

Process for creating applications accomplishing a wide variety of complex tasks.

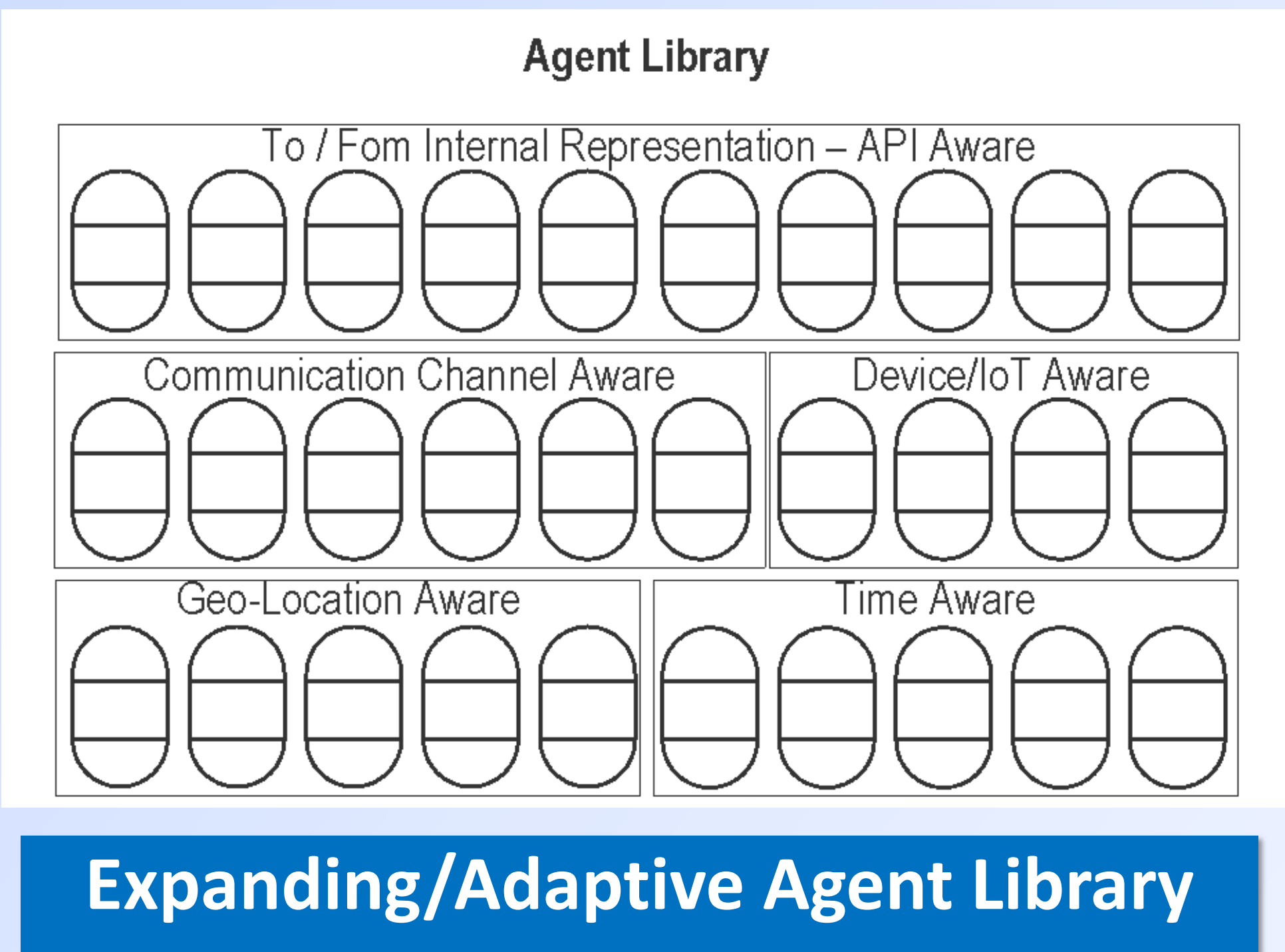Reusable, reconfigurable agents. Agents adapt to environment.

Diverse applications & problem domains.

In use in hundreds of apps world-wide use.

DataSyncs

Communications

Applications

Self- Adapting Intelligent System

- Event Aware
- API aware
- Device Aware
- Time Aware
- Location Aware
- Data Aware
- Comm. Channels
- Goal/Framework Aware
- *Adding more….*

Expanding/Adaptive Agent Library

- Agents interact with rich intermediate representation
- Agents highly configurable
- Agents monitor processing capacity, environmental attributes, nature of data and adjust according to application goals.
- Applications determined by agents seeded into instance and Goal aware agents.
- 1-3 weeks for New Application development
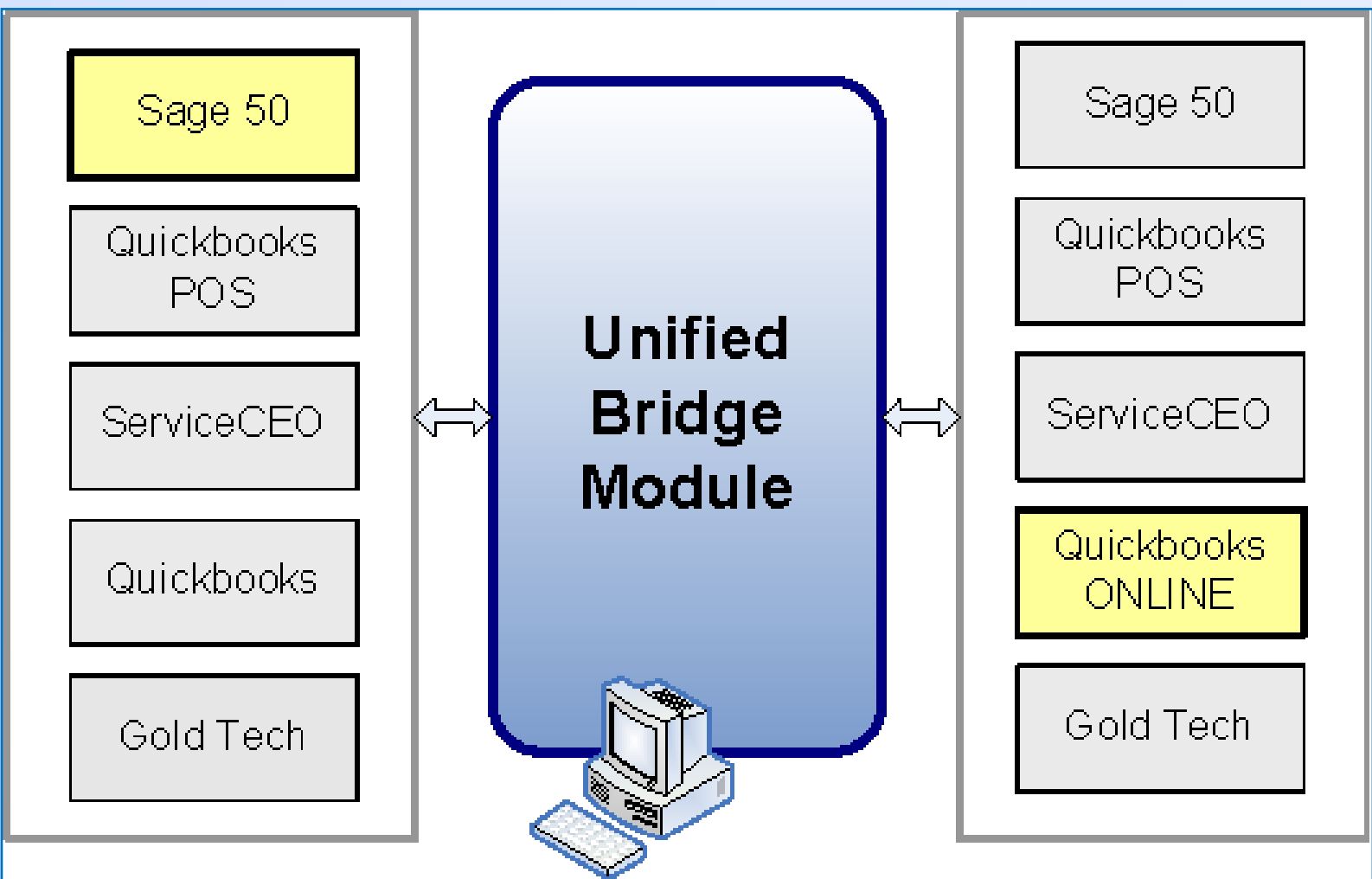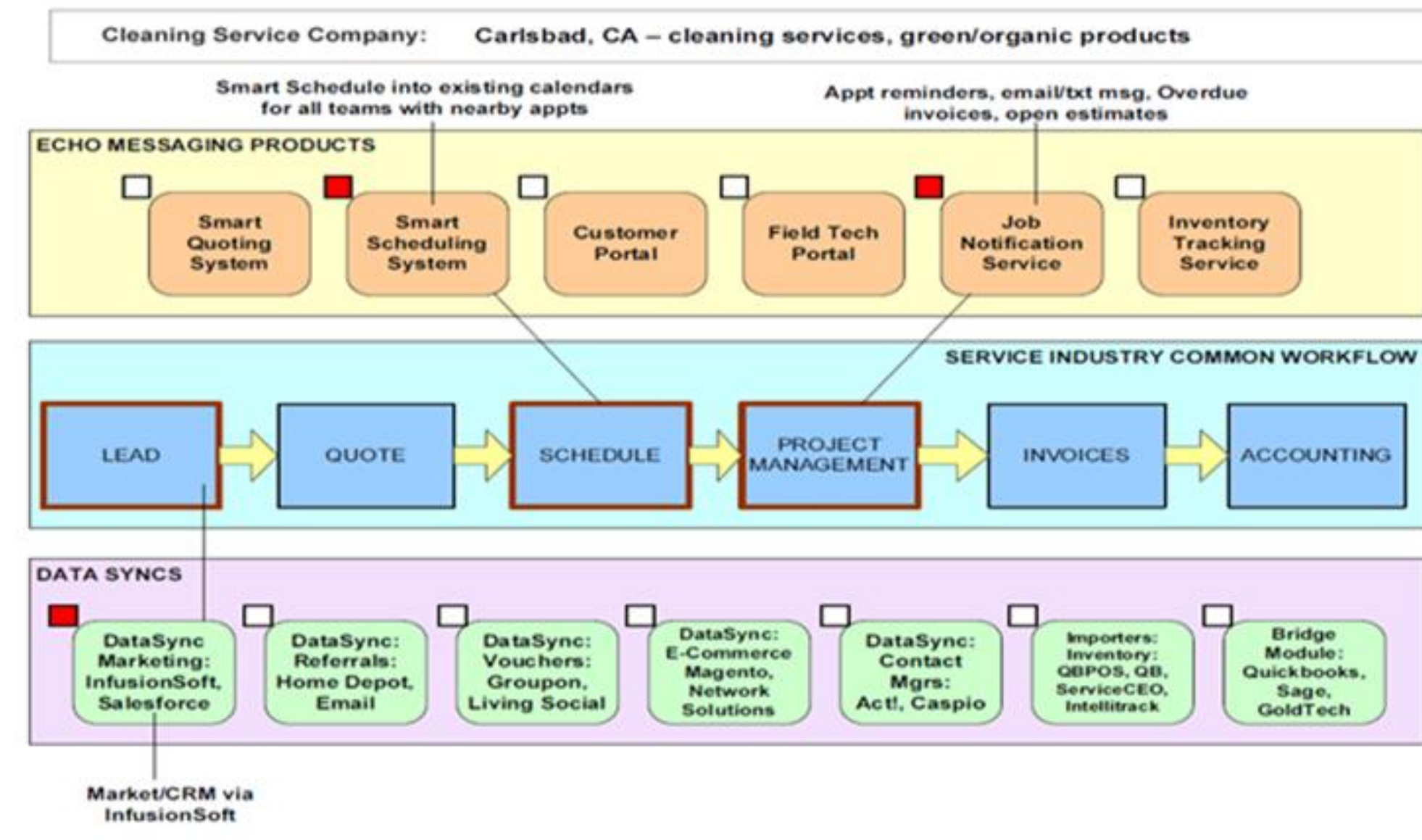
Applications and Domains

Public Safety

o Find Me –Safety
o Find Me –Tornado
o Find Me – Earthquake
o Find Me – Hurricane

Find Me Safety ™

- Communications
- Solving Real-World Problems
- Legacy & New systems working together

DataSyncs

o 50+ combinations
o One-way
o Two-way
o Multi-way

- Exception Reporting from Learned/Model behavior
- Iterative Surveys
- Parallel Processing
- Internet of Things

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Varied Domains

Future Directions