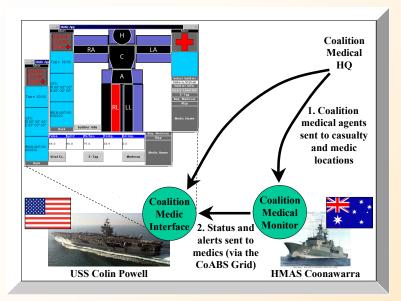


Remote Medical Monitoring

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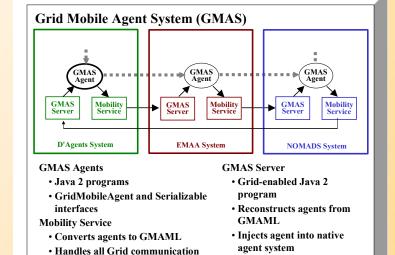


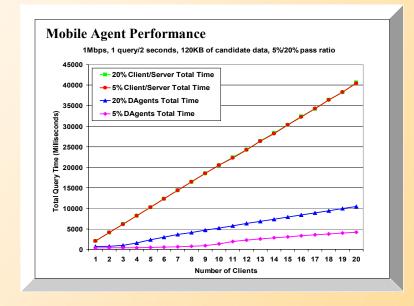
Description:

- Part of CoAX Coalition Agents Experiment.
- Allows medical personnel to monitor the condition of remote casualties.
- Intelligent mobile agents, with embedded medical models, migrate to casualty and medic locations.
- Agents alert medics of only important changes in casualty status.
- In CoAX, the medics are on a US ship, and the casualties are on an Australian ship.

Results:

- Remote medical monitoring allows more effective use of medical resources.
- Mobile agents provide country, unit or even medic-specific monitoring, while still conserving network bandwidth.
- ◆ GMAS, the Grid Mobile Agent System, adds interoperability. The medic and casualty locations can use different mobile-agent systems, particularly important for Coalition operations.





Future:

- Enhanced medical models with inputs from additional types of medical sensors (each casualty wears a pulse-oximeter in the current system).
- Integration with field hospitals, evacuation teams, and other medical entities.
- Extension to civilian firstresponder applications.
- Final version of GMAS

