Building Collaborative Environments with Use of Web Technologies

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Plan of presentation

- ➤ What was done
- ➤ Web technologies
- ➤ System requirements
- ➤ System architecture
- ➤ Example of use

Work overview

- Technology study
- Requirements specification
- Analysis and prototyping

Web technologies

- formerly distributed source of documents
- public acceptance and rapid development
- new technologies emerging - Java, plug-ins
- distributed computing on WWW
- toward Network Computer...

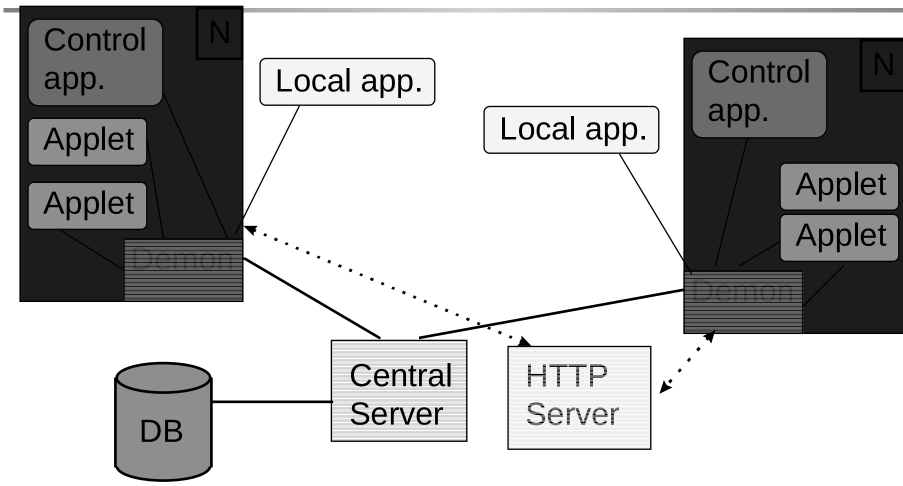
Collaboration system on WWW

- none at the moment (but many promising attempts)
- Netscape tools based on plug-ins (videoconferencing system)
- Habanero environment

System requirements

- Unknown set of heterogeneous applications
- Web based interface
- Standard technologies
- Database backend

System architecture



Example of use

- Command & Control Center
- applications: GIS, videoconferencing, news search, ...
- introducing simulation engine providing events to the system (an enemy aircraft is approaching...)

Summary

- WWW collaboratory - very new area of research & development
- Changes introduced by emerging technologies
- Keeping system based on open standards facilitates its development