

Collaboration off the Desktop

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MITRE Sponsored Research

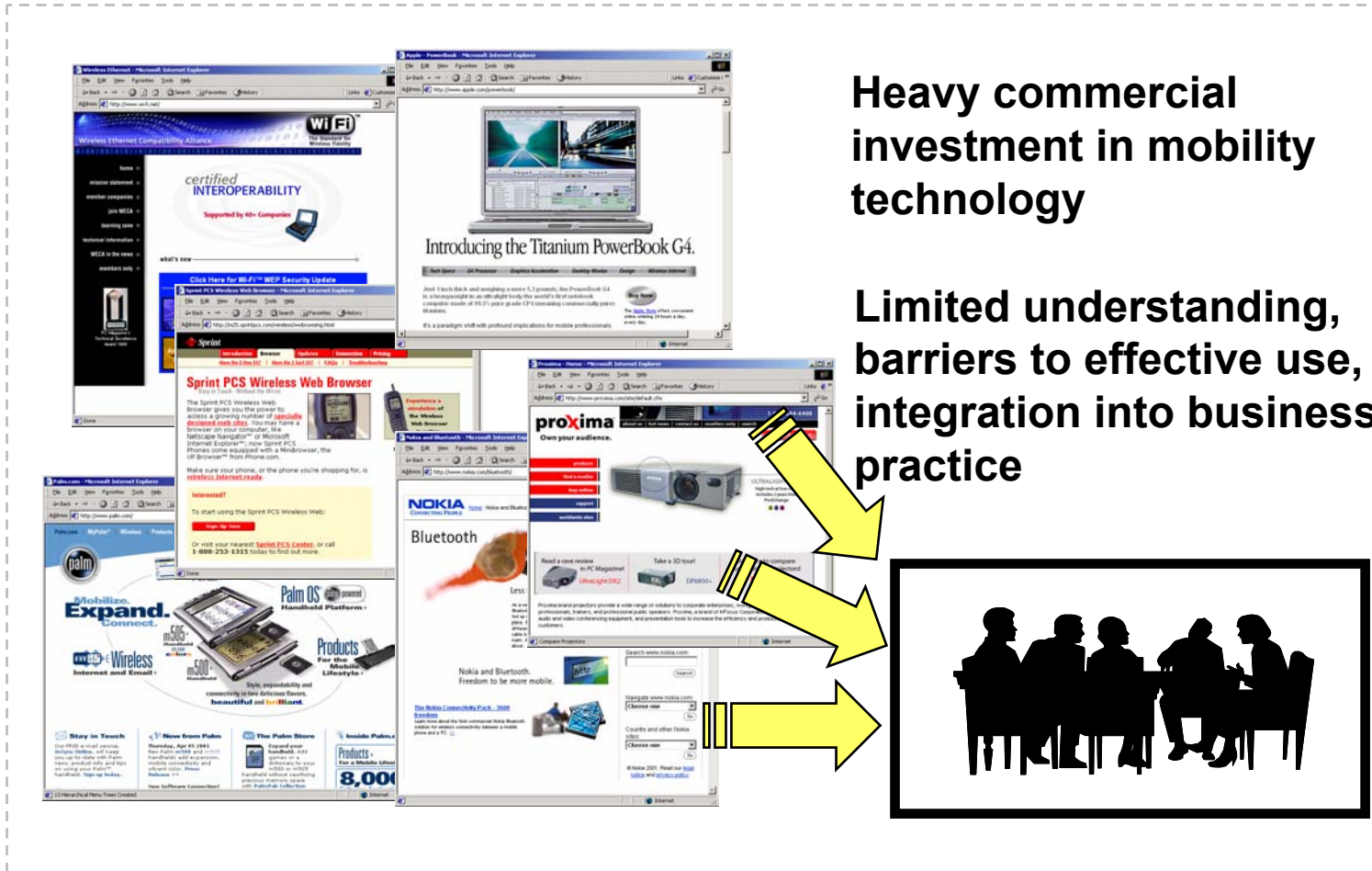


MITRE
Technology
Program

Problem

- **New mobility technologies are designed to allow change in how people work**
 - **Ultraportables, PDAs, Bluetooth, LCD projectors, high bandwidth LAN, wireless LAN/WAN, voice/data convergence**
- **Can break assumption of user at desk, desktop PC**
- **...but new technologies must be integrated and become part of the culture of work---how?**
- **MITRE's sponsors have unique requirements, business process, security, environment**

Background



Heavy commercial investment in mobility technology

Limited understanding, barriers to effective use, integration into business practice

Objective

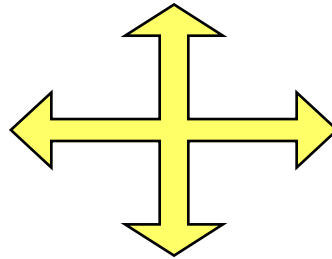
- **Build simple technology integrations**
- **Explore changes in business process and effectiveness**
- **Generate the next round of questions**
 - **Is there an integrating metaphor for these technologies?**
 - **What should we seek to evaluate?**

Activities

- **Your desktop anywhere, any time**
 - **Securing the access path**
- **Collaboration tools for shared physical spaces**
- **Modeling of social spaces**
- **Instant messaging standards for mobile devices**

Highlight

Exploration of system integration,
security, and effect on process

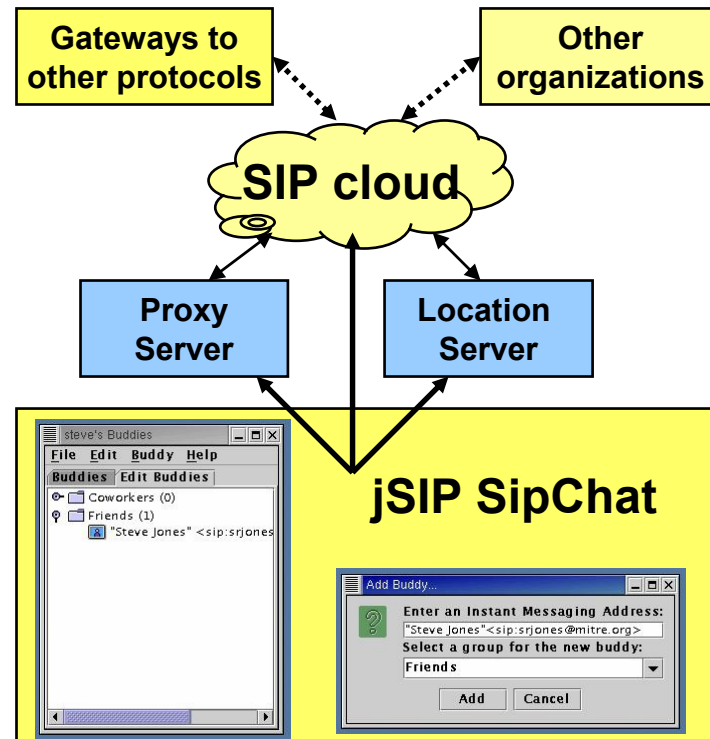


Demonstration

Access to desktop resources anywhere



Standards-based SIP instant messaging



Impacts

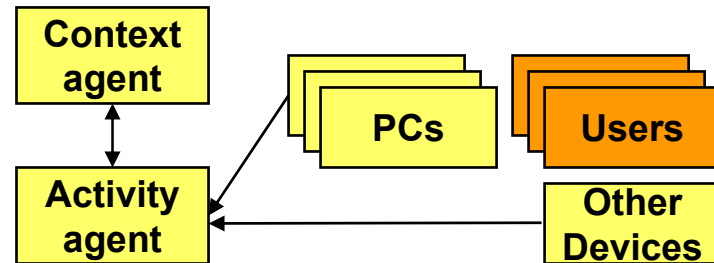
- **Identification of practical technology integrations**
- **Potential directions for appropriate sponsor applicability**
- **Requirements for security technology, doctrine**
 - **Path-dependency as part of authorization**
- **Standards for instant messaging**
 - **Applicability to mobile devices**

Future Plans

VoIP/SIP/ Telephony integration



Automatic space modeling



Security off the desktop

Acceptable security procedures

Influencing formal models

Emerging technologies for
path assurance

Rich media for shared spaces



Multipoint
Continuous
Tailored
Accessible