

Internet Enabled Social Patrol

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MITRE MSR



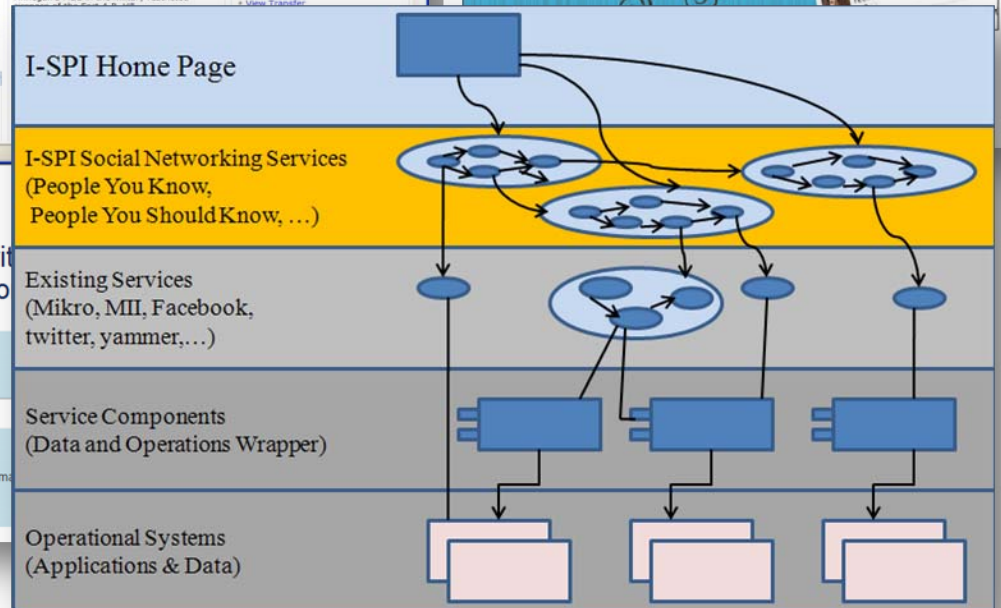
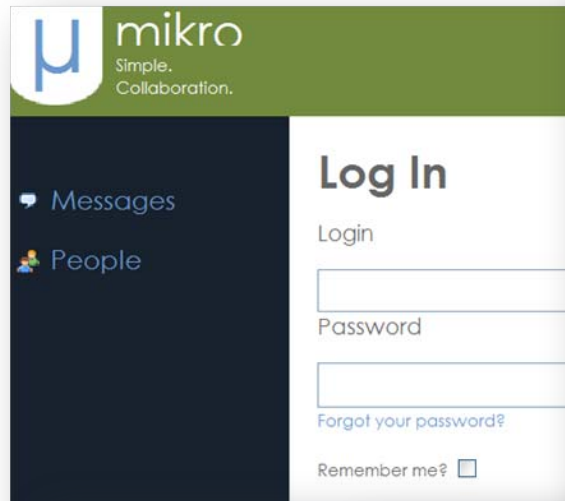
Problem



- **Enterprise-focused social networking applications for mobile devices are limited by their ability to securely pass information across a firewall.**
 - Need to pass useful information while maintaining security
 - Need to provide helpful capabilities for members of the organization in question
 - Need to ensure that the provided tools are interoperable with other systems, easy to update/modify

Social networking tools are useless without a social network

Background



Leverage existing social networking services and information sources

Objective



- **To develop a MITRE-specific social networking tool for mobile applications**
 - **Establish protocols for securely passing information across the firewall**
 - **Isolate security methods from branding/access to other tools to allow easy porting to MITRE sponsors**
 - **Create a tool that facilitates identification of/collaboration among individuals with similar interests throughout MITRE**

Activities



■ Phase 1

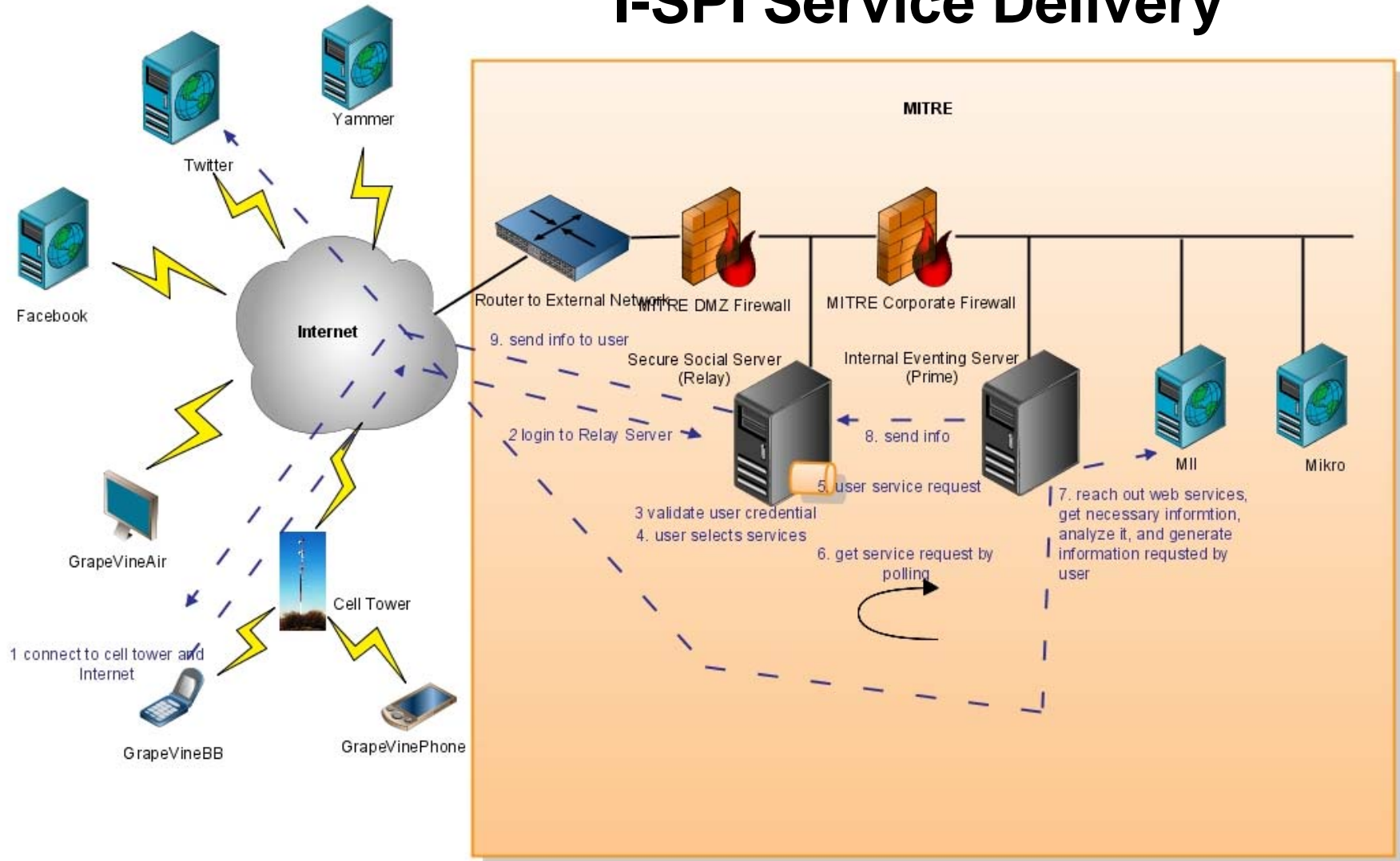
- Identify I-SPI Social Networking capabilities and data to be exchanged
- Design I-SPI System Architecture
- Design and develop I-SPI desktop client
- Design the user interfaces for Adobe Air app and iPhone app
- Work with INFOSEC on a security strategy
- Set up a lab to move data between internal and the DMZ

■ Phase 2

- Examine COTS solutions for Service Oriented Architecture
- Develop I-SPI mobile client
- Develop algorithms for social services (e.g., People You Should Know)
- **Enable an infrastructure – let others build upon our tools!**

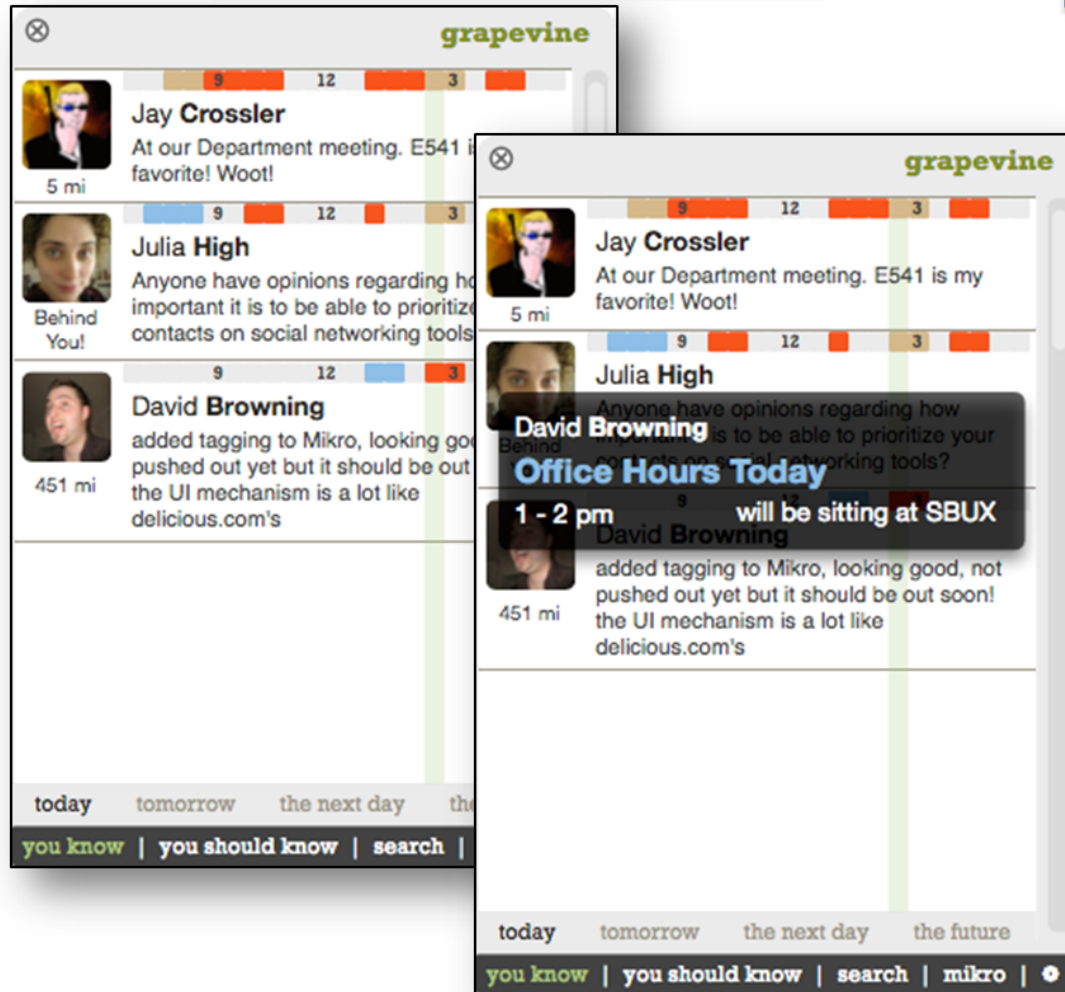
Highlight

I-SPI Service Delivery



Demonstration

People You Know



grapevine

Jay Crossler
At our Department meeting. E541 is my favorite! Woot!
5 mi

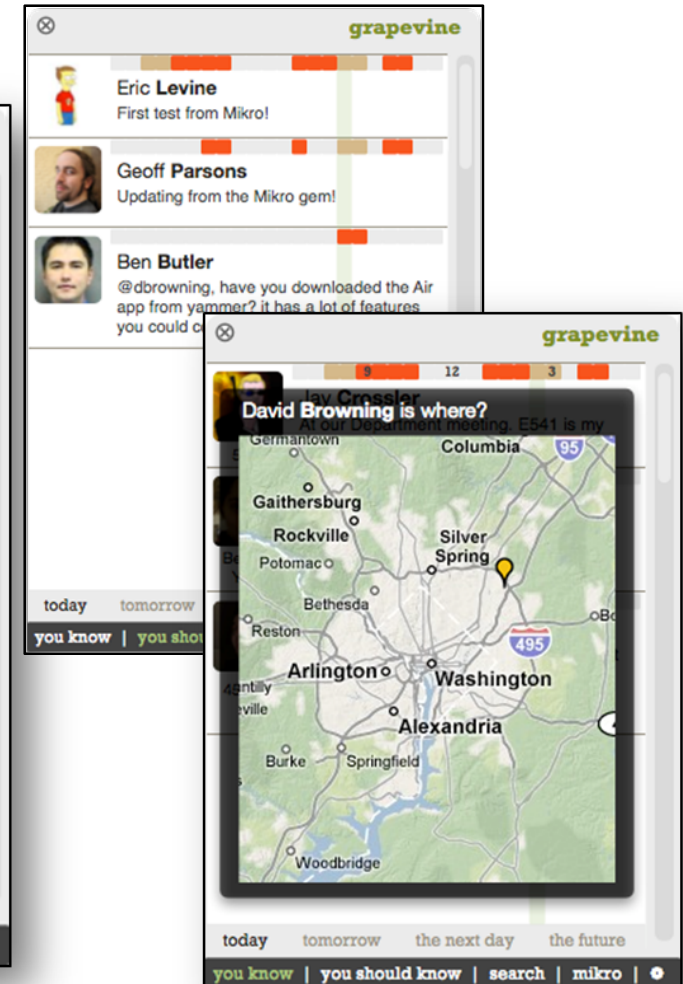
Julia High
Anyone have opinions regarding how important it is to be able to prioritize contacts on social networking tools?
Behind You!

David Browning
added tagging to Mikro, looking good, not pushed out yet but it should be out soon! the UI mechanism is a lot like delicious.com's
451 mi

David Browning
Office Hours Today
1 - 2 pm will be sitting at SBUX
David Browning
added tagging to Mikro, looking good, not pushed out yet but it should be out soon! the UI mechanism is a lot like delicious.com's
451 mi

today tomorrow the next day the future
you know | you should know | search | mikro |

People You Should Know



grapevine

Eric Levine
First test from Mikro!

Geoff Parsons
Updating from the Mikro gem!

Ben Butler
@dbrowning, have you downloaded the Air app from yammer? it has a lot of features you could o

David Browning is where?
At our Department meeting. E541 is my favorite! Woot!
Silver Spring

today tomorrow
you know | you should know | search | mikro |

All information and tracking is determined by you! Private and Secure.

Impacts



For MITRE:

- **Provide capabilities that will allow MITRE employees to find and make contact with people with whom they share interests**
- **Facilitate the organization of on-the-fly meetings between people who are in close physical proximity to each other, even if someone is not in their primary office location**

For MITRE Sponsors

- **Provide a technical capability for passing information across security boundaries that can easily be implemented by MITRE's sponsors**
- **Create an architecture that can easily be re-skinned to align with sponsor needs**

Future Plans

- I-SPI Internal Eventing Server and Relay Server application
- I-SPI Desktop and Mobile Client application
- Deliver to sponsors

