



Cisco IP Interoperability and Collaboration System

Technology Demonstration Overview at Cisco Press Event

Cisco IP Interoperability and Collaboration System Technology Demo Summary

The Cisco IP Interoperability and Collaboration Systems (IPICS) technology demonstration will be presented at the Cisco press event on October 24, 2005 in two parts. The first part will focus on demonstrating the current capabilities of Cisco IPICS and the second part is a proof of concept demonstration of potential future capabilities of Cisco IPICS.

Cisco IPICS Technology Demonstration Part I: Current Capabilities

Cisco will illustrate how push to talk everywhere and comprehensive voice interoperability is established using the Cisco IPICS technology in a variety of different scenarios. Cisco IPICS technology sets a new agenda for comprehensive voice interoperability and raises the bar on radio interoperability. The current components of Cisco IPICS technology include: Cisco IPICS Server Hardware on the Cisco Media Convergence Server (MCS) platform, Cisco IPICS System Server Software and Cisco IPICS Push to Talk Management Center application.

- Cisco will use the Cisco Incident Management Console (one component of Cisco IPICS server) to bring in, one by one, different radio networks/channels into the incident. These radio networks/channels include UHF and VHF radios, Nextel cellular phones and other legacy radios or “walkie talkies” such as those typically used by first responders (fire, police, ambulance).
- Cisco will also show how the Cisco IPICS technology extends radio networks to the IP world by demonstrating how push-to-talk services can be extended from UHF/VHF and other legacy radios to a Cisco IP Phone. By extending the reach of different radio channels to a Cisco IP phone, we are demonstrating the breaking of radio boundaries.
- Cisco will then demonstrate another key component of the Cisco IPICS technology, the Cisco Push to Talk Management Center (PMC). First, Cisco will show how from a Cisco IP phone a customer can participate in a virtual talk group which includes users on push-to-talk devices on a variety of different radio channels. Second, Cisco will demonstrate bringing together all of the different radio channels into an incident, the operator view of the Cisco PMC and how after the conclusion of the incident, the user can be removed from an incident. This is what we call “Push to Talk Everywhere”, where push-to-talk services are integrated from any voice device to any other voice device virtually everywhere.
- Cisco will also demonstrate additional capabilities such as how the Cisco Policy Engine built into Cisco IPICS technology allows customers to set up policies based on time, role and other customer designated policies. Cisco will also demonstrate how Cisco IPICS technology provides customers with several reporting options to meet requirements for auditing and reporting purposes.

Cisco IPICS Proof-of-Concept Technology Demonstration Part 2: Future Capabilities

Based on the foundation presented in Part 1, Cisco will build on this to conduct a proof-of-concept demonstration of possible future capabilities of Cisco IPICS technology.

- Cisco will demonstrate how in the future, Instant Messaging (IM) will be integrated as a communications medium available on Cisco IPICS technology. The value of instant messaging is that the text can be converted to speech in different languages for playback on all the channels participating in an incident. The dispatcher can use text to communicate with different participants. Many devices can also display the text in addition to playing the voice.

- Cisco will demonstrate how RFID-based sensors can potentially be incorporated into the Cisco IPICS policy framework. In the proof-of-concept demonstration, Cisco will show how sensors can trigger a messaging alert that is audibly heard on all radio channels participating in an incident. As an example, in the event of a fire, a smoke sensor may trigger an alert that would be sent to the local fire department who would then be directed to click on a URL that brings up a Google map with GPS coordinates of the location of the fire.
- Numerous sensor devices such as RFID, radioactive, biological, and other sensors are used in the demo to generate different triggers and activate different policies using Cisco IPICS technology.