Connecting the Dots: CAP and WSRP[1]

Multiplying the Value of Open Standards by Combining CAP Standard Messaging and WSRP Standard Content

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The OASIS CAP (Common Alerting Protocol) specification and WSRP (Web Services for Remote Portlets) specification define a messaging vocabulary in CAP and the combination of interfaces and semantics necessary for aggregating multiple content services in a specific portal in WSRP. By using web services as the underlying infrastructure to deliver time-critical emergency alert messages and a range of secondary information needed by the communities involved in emergency incidents these standards, when used together provide a powerful set of tools to the emergency responders, the support communities for those responders and the public affected by the incident. We will use one or more of several scenarios ranging from weather disasters to terrorist attacks to demonstrate the multiplication of value offered by combining standards.

Additionally, the ability to find appropriate related information resources or partners is supplied by the ebXML RIM and UDDI Registries enabled by those standards, making the entire process more useful because these specifications, when used together shorten the response time and increase the effectiveness of the community response. We will show the operation of finding such resources.

 This presentation will focus on demonstrating how combinations of applications using these standards work together and multiply the effectiveness of end-to-end services required in emergency incidents from first response to cleanup. We will show geographical information portlets and medical information portlets to demonstrate this follow-on capability.

Additionally, a set of scenarios will be shown which illustrate not only the more obvious incidents with which public health and public safety is concerned in this era of heightened safety awareness, but also show the more locally-based applications such as a generic traffic stop which can reveal information not otherwise available through the use of services enabled by these specifications.

A brief glimpse will also be provided into the ongoing work for providing follow-on aids for the implementation of these specifications. Areas of ongoing work include providing a primer for WSRP and an Implementation Guide for CAP.

This demonstration will highlight existing applications capable of working together on multiple platforms as well as utilizing standards which can operate across platforms.

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[1] Publisher's Note: According to a June 15, 2004 posting on the WSRP Website, "Confirmation: Re: XML 2004 Paper Accepted," Mr. Brooks' paper has been accepted for presentation at XML 2004 in Washington, DC, November 15-19, 2004. See www.xmlconference.org/ for more information.