
Collaboration 2007

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Email, Messaging and Collaboration



Sandia is a multiprogram laboratory operated by Sandia Corporation, a Lockheed Martin Company, for the United States Department of Energy's National Nuclear Security Administration under contract DE-AC04-94AL85000. SAND -2005-6648P

- What is Collaboration?
- Our Commitment and Mission
- A Brief History
- Current Collaboration Capabilities at Sandia
- What's Next for Collaboration at Sandia?
- Questions



What is Collaboration?

- “Collaboration” is a methodology (*not* a specific tool) that helps members of the workforce be more productive:
 - The collection, sharing, and storing of information
 - Coupled with authorization, protection, and availability



Our Commitment and Mission

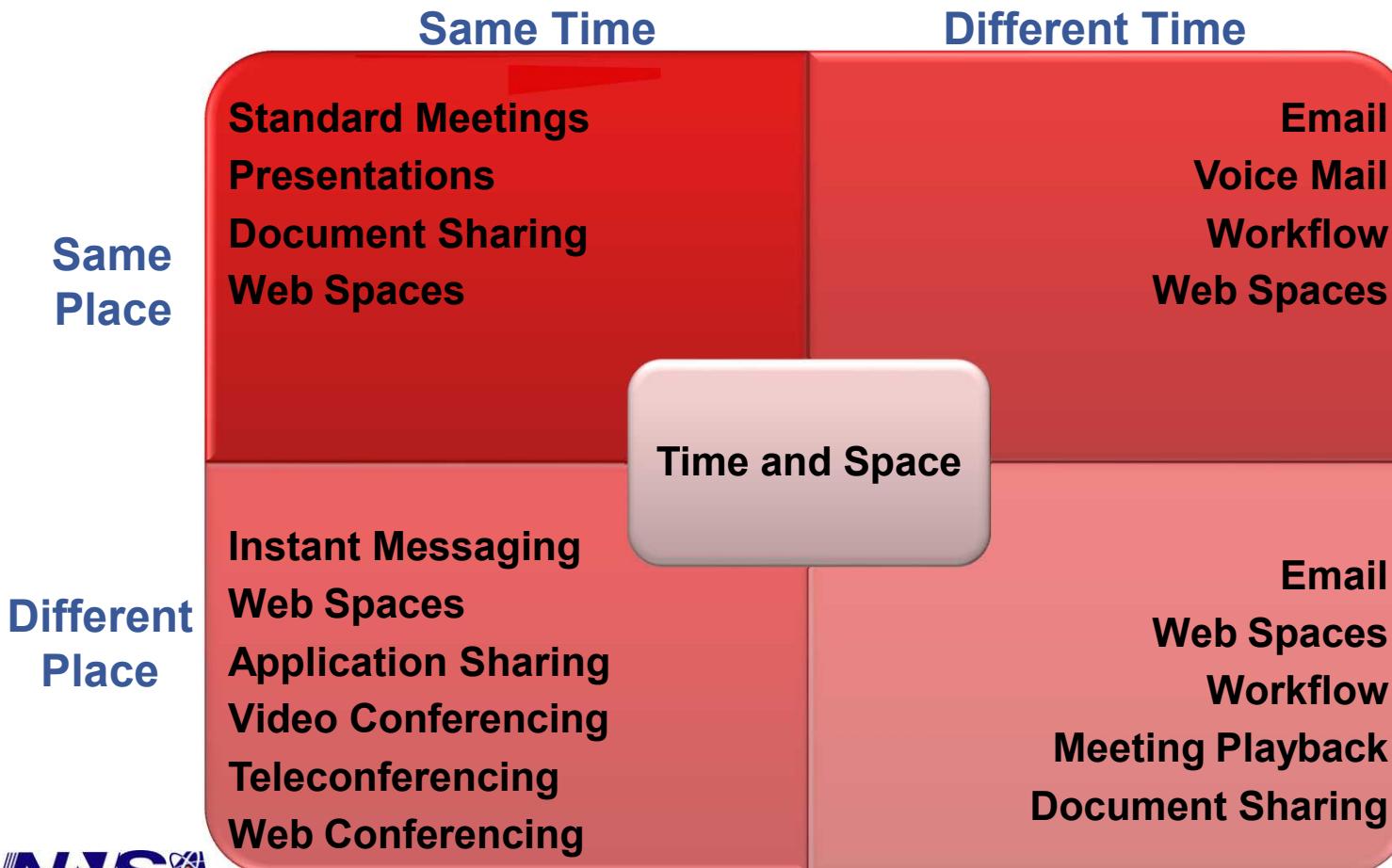
- Our Commitment: Enable Engineering Transformation by reducing the technological barriers to collaboration
- Our mission: Create agile tools that will support many different collaboration needs while operating within a framework of Operational Excellence
- We accomplish our mission by looking at organizational needs, infrastructure capabilities, and commercial toolsets as well as internally produced capabilities

- In the past, Sandia primarily collaborated only with other NWC partners – and amongst ourselves internally
- “Collaboration” consisted of basic toolsets and capabilities:
 - Often implemented locally by individual line organizations and with non-standardized security constraints
 - No corporate solutions available other than basic FTP service and Email
- Email had become the de facto collaboration tool



A Brief History (Continued)

- In 2004 a collaboration roadmap team was formed
- The Team began to look at collaboration based on the time and space model





A Brief History (Continued)

- The Team submitted Technology Infusion Proposals (TIPs) and introduced collaboration tools into the infrastructure:
 - Instant Messaging
 - Web Spaces
 - Enhanced integration of voicemail and email
- This added to our existing capabilities that were already well established:
 - Email
 - Video Conferencing
 - Document management system
 - Voicemail



Current Collaboration Capabilities at Sandia

- Collaboration has become a very vital component of Sandia's culture
- We have made extensive use of SharePoint
- Instant Messaging is deployed site wide
- We have extended our collaboration vision to include collaboration with external business partners:
 - Primarily implemented through SharePoint Services for Web Spaces
 - All collaboration tools are available remotely (i.e., home users, travelers, etc.)



Current Collaboration Capabilities at Sandia

- Instant Messaging Capabilities
 - Multi-party or single person chat
 - Application sharing
 - Desktop video conferencing
 - Presence awareness
- Instant Messaging Benefits
 - Reduced email communication / ping backs
 - Reduced dependence on voicemail
 - Assists in ad hoc emergency meetings

Current IM usage: 7000 active users processing 40 messages/sec



Current Collaboration Capabilities at Sandia

SharePoint Capabilities

- Document Library
- Members List with presence awareness
- Events / Calendars
- Discussions
- Announcements
- Lists
- Links
- Surveys
- Alerts
- Tasks
- Issues
- Contacts
- Meeting workspaces
(specialized capabilities for organizing and conducting meetings)



Current Collaboration Capabilities at Sandia

SharePoint Capabilities (Continued)

- SharePoint is a platform and enables many other capabilities:
 - Internally developed applications
 - Workflow
 - Excel Services
 - Project Server
 - BizTalk
 - Forms Server
 - Exchange



Current Collaboration Capabilities at Sandia

SharePoint Benefits

- Dissolves IT barriers:
 - Requires no programming knowledge for end users to manage
 - Is very intuitive to use
- Reduced costs of our Web Space toolset by replacing other other products
- Provides a secure method of collaborating with external business partners

Current SharePoint usage: More than 525 top-level sites (and more than 1,000 subsites). Many high-level Sandia executives now use SharePoint as their primary resource for posting information.



What's Next for Collaboration at Sandia

- Extend our investment in SharePoint
- “Federate” Instant Messaging for exchanging instant messages with external business partners
- Add Web Conferencing capabilities
- Create better integration between Desktop Video Conferencing and traditional Video Conferencing
- Reduce the barriers between voicemail and email integration
- Improve our service availability and data protection
- Help customers streamline their collaboration activities and align our capabilities with their business processes



Questions

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- Overview
- Presentation
 - Features / Capabilities
 - Sandia's implementation (business rules)
 - Training
- Demo

- What is SharePoint
 - Microsoft: Integrated portfolio of collaboration and communication services designed to connect people, information, processes, and systems both within and beyond the organizational firewall.
 - What I think it is: An interactive dynamic web site that can be set up by normal users for normal users to create a central web site for people to share, track and gather information



Overview (Continued)

- Many companies are offering dynamic based web servers
- SharePoint utilizes internet browsers as the primary client but also integrates with Office, Outlook and your desktop file system as well as Instant Messaging
- Site administrators can set up the site to achieve many different goals as well as customize the look and feel.



Overview (Continued)

- SharePoint uses an extended Microsoft web server with a Microsoft SQL database server
- All content is in the database
- The content is dynamically rendered at the time you request it
 - i.e. no file level customization tools will work in this environment (notepad, dreamweaver)



Features / Capabilities

- Document Library
- Members List with presence awareness
- Events / Calendars
- Discussions
- Announcements
- Lists
- Links
- Surveys
- Alerts
- Tasks
- Issues
- Contacts



Features / Capabilities

- Concepts of sites and sub sites
- Templates / Themes
- Meeting Workplaces
- Document Workplaces
- Custom web parts / SharePoint development
- Integration with a windows desktop

- Server infrastructure
 - Two web servers in an NLB configuration
 - Two SQL 2005 servers in a SQL Cluster configuration
 - We have yet to see the users strain the machines
- Call the CCHD to get a site
- You get 1GB of storage
 - Call the CCHD for more space (\$50/Yr/GB)
- Files can't be more than 100MB
- You must continue to use the site

- Classes are available
 - https://sharepoint.sandia.gov/SitePages/SP_training.aspx
- They are now charging for the classes
- Some class content is available online
 - https://sharepoint.sandia.gov/SharePointClassMaterials/Forms/SP_Classes.aspx
- Videos Online
 - <http://www-irn.sandia.gov/messenger-training/index.htm>