



# VO collaboration requirements

MACE-MLIST  
Working Group

Jill Gemmill  
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# ViDe Data Collaboration Survey 2004



## Survey on User Requirements for Data Collaboration

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Internet2  
Internet2 Commons Management Team

ViDe and Internet2 are aware of the growing demand for application sharing and data collaboration tools (ASDC), often as companions to classroom and desktop videoconferencing. This survey is designed to give us a picture of how and where you see ASDC working for you. The survey is composed of five sections. The first section provides us with some demographics about you and your site. The next three sections allow you to select and prioritize common scenarios in the context of academic, research, and administrative activities. Within each scenario you can optionally identify those aspects of the activity most important to you as well. The final section provides you with the ability to target in on specific features and functions by name and to include additional scenarios distinctively important to your institution. The survey should take about 20-25 minutes to complete.

We sincerely appreciate your time and effort in helping us. If you have any questions, please don't hesitate to contact us at [asdc@internet2.edu](mailto:asdc@internet2.edu).

This survey and each of its sections are purely voluntary. The responses will be used only to help us determine which scenarios and related functions tend to be required and favored in higher education. The information will be generalized into charts, tables, and discussions for presentation at various academic and technology workshops and conferences, and for inclusion as the technical specifications component of a "Request for Information on Application and Data Collaboration Tools" that we are formulating to send to relevant vendors and projects.

**Important Notice:** Your answers will remain confidential. Processing of this survey is done with php and data is stored in a mysql database under password protection and secured Apache web server encryption. No cookies are used. Your name, site, and contact information would be useful should we want to contact you for further clarification. Your email address will not be passed on to anyone else or used for any purposes other than this study. All personal information will remain confidential and will be deleted at the end of this study.

[StartSurvey](#)

–Mary  
Trauner  
–Les Finken  
–Erik Hofer  
–John  
Krienke

[www.videnet.gatech.edu/datacollab/survey](http://www.videnet.gatech.edu/datacollab/survey)

# respondants....

- Open invitation to relevant mailing lists; 180 usable responses
- Responders had moderate experience with DC technology and used with some frequency; saw need for DC technology increasing in future

# Findings

- Research will require DC more than teaching and administration
- Lack of interoperability negatively impacts tool's appeal
- Weak preference expressed for integrated tools

# Features Surveyed

- Whiteboard
- Chat/IM
- Shared Text/Img doc
- File transfer
- Shared App's
- Remote Control
- Pointers
- Surveys/Polls/Quiz
- Recording
- Telephone/VC bridge
- Video Streaming
- Animation Support
- Chair Control
- Scheduling and Timers
- Agendas for Meetings
- Announcement Board
- Participant List
- Management Console
- Directories
- Logging, Tracking
- Security
  - AuthN
  - Encryption
- Shared Repository, Meeting/Class Archives

+29 write-in features/functions desired.

**Authorization (Group or Role); Workflow ?**

# Important Features

- Multi-platform (windows 73%, Mac 48%, Linux 48%)
- Most wanted cost <\$100 /year (unclear if that's per person or whole package)
- Found correlations of specific scenarios w. specific functions

# Available open source collaboration tools

Address <http://www.cmsmatrix.org/>

Google

Search Web

Search Site

Options

Options



<http://www.cmsmatrix.org/>

CMS Matrix

Discussion

Links

About

Advertising

USER: [VISITOR](#)

## CMS Matrix

Use the form below to select up to 10 content management tools to compare at once.

compare

- [2flex](#)
- [360 Web Manager](#)
- [4Steps2Web](#)
- [Absolut Engine](#)
- [Academic Portal](#)
- [activeWeb contentserver](#)
- [Acuity CMS](#)
- [ADXSTUDIO - ASP.NET CMS](#)
- [Affino](#)
- [AGPCMS](#)
- [Aiyootal-CMS](#)
- [Aktar](#)
- [allintaCMS](#)

### Narrow The Matrix

You can narrow the scope of the matrix by [searching](#) for exactly the criteria you're looking for in a content management product.

### Expand The Matrix

If you are the developer of a CMS, or are an expert for a CMS and are willing to maintain the listing, [create an account](#) so you can register your CMS listing.

### CMS Statistics

Most clicks:	57866	<a href="#">WebGUI</a>
Most views:	100810	<a href="#">WebGUI</a>
Most compares:	131164	<a href="#">Mambo</a>
Most recently updated:	9/18/2005	<a href="#">contentXXL - ASP.NET CMS</a>

### Best Rated By Users

System Requirements	6.89/10	<a href="#">Artilloo</a>
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## News

Submit news about anything related to content and web site management.

[Submit a story.](#)

### Open Source CMS-Challenge 2005

9/16/2005

3 systems, 3 users, 1 event:  Stuttgart, October 20. The positive feedback of the event last year encouraged the organizers to continue the success story of the Open Source CMS-Challenge in 2005. comundus, iVeins and zettwerk present OpenCMS, TYPO3 and Zope/Plone in one event. Customers present their projects and talk about their experiences. The CMS-Challenge is suitable for marketing and it managers who want to get a broad overview of 3 professional open source cms. For more information and registration please visit [www.cms-challenge.de](http://www.cms-challenge.de)

# Commercial space collaboration tools



## Explore The World Of Collaboration This Fall October 24-25, 2005 In San Francisco

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#### Collaboration Technologies Featured

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- Video Conferencing
- Web Conferencing
  - VOIP
- Instant Messaging

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# My Conclusions from this info?

- There are many good reasons for the variety of features / functions desired
- It seems that a framework for assembling components to build the environment you want would be desirable
- Required: membership list, authentication; (roles/groups, authorization) shared across applications.
  - Portal does this
  - myVOCS does this

# Science Gateways Requirements Analysis

- Sebastien Goasguen
- John Cobb
- Dennis Gannon
- Jeff Gardner
- Eric Robers
- Von Welch
- Nancy Wilkings-Diehr
- Roy Williams

# Science Gateways

- 10 original Teragrid Gateways
  - LEAD; nanoHUB; Neutron Science; Flood Modeling; Homeland Security; NVO; HEP; OSG; Evolutionary Biology; NMBR

# Requirements.....

- Accounts/Accounting
- Security
- Scheduling
- Portal Models/Portal Types
- User Models
- Security Models

# Science Gateway Components

- User Model
- Targeted Community
- Services
- Org & Admin Structure

# Accounts/Accounting

- **Roles:** individual, group, student, high-end researcher, developer
- Most gateways would like to have portal registration and do per-user authorization and accounting; none do so currently
- Multiple certs in use: 50% Teragrid; DoE, Europeans, DIY also; policies needed (*federation!*)
- No common auditing/accounting

# Security

- Community allocations /accounts
- Dynamic Users (sandboxed)
- Anonymous Users
- Firewall issues: set of services and ports to be developed
- Export control issues

# 3 User Models

- Standard User: has Teragrid account and knows how to manage own cert
- Portal User: has Teragrid account; access is via Portal only
- Community User: uses community allocation. Authenticate w. own Username/Password, then present community certificate to TG resources

# 3 Security Models

- Standard: all users have TG login & cert
- Portal: User logs into portal; community & local certs used; group permissions used;
- Community: community cert passed to portal (authN user and use TG on their behalf).

# 3 Portal Types

- “Gateway” is not identical to “Portal” (Eg: Open Science Gateway is not a portal)
- Half have existing portal URL; 3/9 use OGCE
  - Portal Based (users in front of portal, resources behind portal)
  - Application Based (app on user machine, accessing resources elsewhere)
  - Grid Interop Based

# And more.....

- All surveyed expressed desire for integration with other applications or services
  - “web services”
  - Other portal applications

- “While the gateways may be instantiated on Teragrid resources it is expected that many will be instantiated on community resources and be administered by the community itself”

# My Conclusions from this info?

- It seems that a framework for assembling components to build the environment you want would be desirable
- Required: membership list, authentication; (roles/groups, authorization) shared across applications.
- Federation, Group/Role Info, Policy, locally based Authorization
  - Portal does *[some of]* this
  - myVOCS does *[some of]* this