

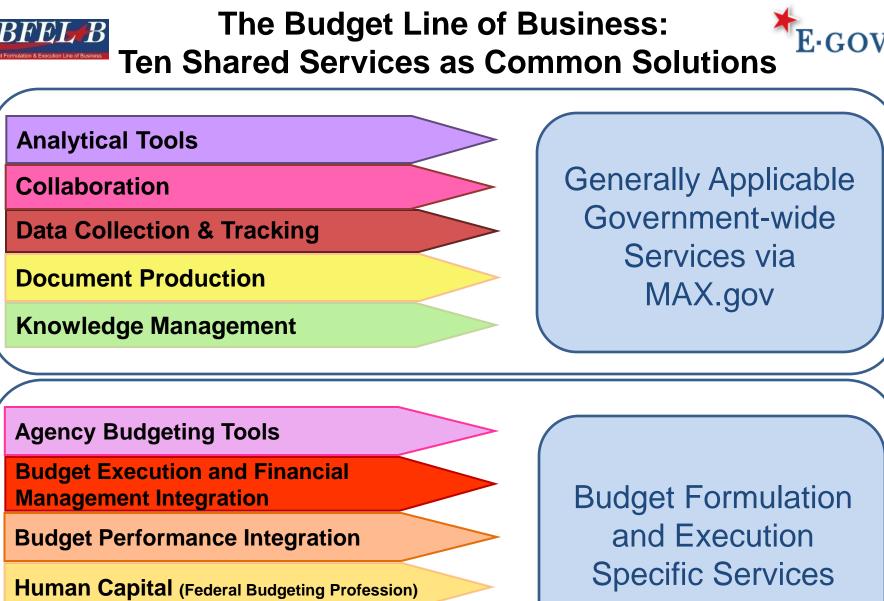


MAX.gov

Cloud Services Capabilities

Sponsored by the Budget Formulation and Execution Line of Business (BFELoB)

August 30, 2012



Program Management

(Coordination, Standards, Architecture)

Specific Services



Government-wide Scope



(including Non-Federal Partners)

Government-to-Government					
Intra-agency	Inter-agency				
	Policymaking, Management and Budget class of activities				
State, Local, International, and Non-Governmental Partners					

The Public

- Available for use by agencies for both cross-government and intra-agency activities
- Interactions with state, local, & non-governmental partners in special Enclave spaces





MAX Service Oriented Architecture

Agility and cost effectiveness through modular web services, open source, open standards, and web-oriented APIs.





Collaboration & Information Sharing

- MAX Federal Community
- Online Meetings, MAX Shared Desktop

Data Collection, Analysis, Publications

• MAX Collect, MAX Analytics, MAX Publishing



Specialized Applications

• A-11 (President's Budget), Appendix Text, Apportionment, Modeling, Earmarks, ITWeb, many others



MAX Federal Community

Government-wide Information Sharing,



Collaboration, & Content Management - 70,000+ users

Home 🔹	Find +	Help 🔹	Feedback		Welcome Andrew 🔻	🔺 (1)	Log Out	۰
	MAX FED	ERAL C	OMMUNITY					
	Hon	ne			Search The MAX Comm	inity	All 🔻	٩
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▶) MAX F	ederal Com	munity \rangle	Home (13) 💌				<i>(</i> 2)	(0)
💛 Edite	d By Patrick	Campbell(OMB) on Apr 26,	1012 at 12:40 PM 🔻	😭 Favorites 🔻 <	Share 🖂	Watchers (3	333) *

Click on the Agency, Government-Wide Community, or Cross-Agency Collaboration you are interested in.

Agency Communities	Government-Wide	Communities	
Access Board	Acquisition	Homeland Security	Performance
Army Corps of Engineers	Budget	Human Capital	Planning
Broadcasting Board of Governors	E-Government	IT Infrastructure	Recovery Act
Commission on Civil Rights	Financial Management	Management	Small Agencies
Consumer Products Safety Commission	Grants	Open Government	Sustainability
Corporation for National & Community Service			
Council on Environmental Quality		Cross-Community To	pics
Department of Agriculture			
Department of Commerce		.	
Department of Defense	Cross-Agency Coll	aborations 🌴	
Department of Education	Infrastructure Projects and Review	- Permitting Partnersl	-
Department of Energy	and Review	Commun	intes
Department of Health and Human Services			
Department of Homeland Security			
Department of Housing & Urban Development	About the MAX Fee	deral Community	
Department of the Interior			
Department of Justice	Announcements:	Learn M	ore:
Department of Labor	 The MAX Federal Co 	mmunity • Overv	iew on MAX Capabilities -



Each Agency Has Its Own Space with Its Own Logo

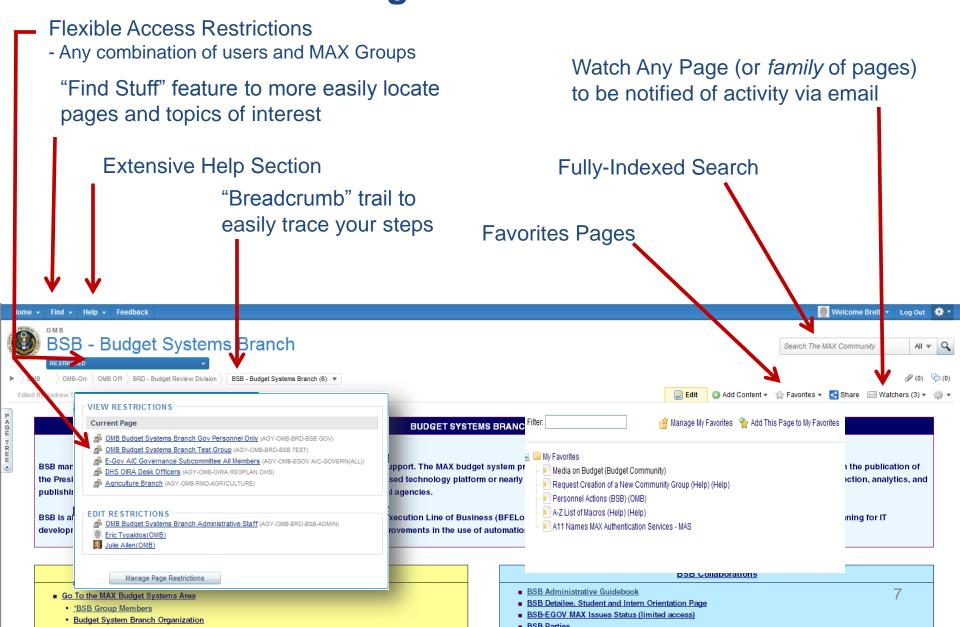


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Home	Search The MAX Community All 🔻
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Interdepartmental Collaborations	
Interior-Only Collaborations	
Anterior only conaborations	
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Rich Collaboration and Content Management Features







MAX Groups: Dynamically Managed Membership lists for Email, Access Control, more...

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	*BSB Group Members	Search The MAX Community All 🔻 🔍
 OMB Edited By 	> BRD - Bu > BSB - Bu > BSB General > *BSB Group Members (0) ▼ Andrea Brian(OMB) on Apr 27, 2011 at 04:36 PM ▼	 Ø (0) Ø (0) <l< th=""></l<>
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Use MAX Groups to restrict access to pages and exercises

- Function as dynamically updated **Distribution Lists**
 - Cross-agency DLs

Self-administered & managed

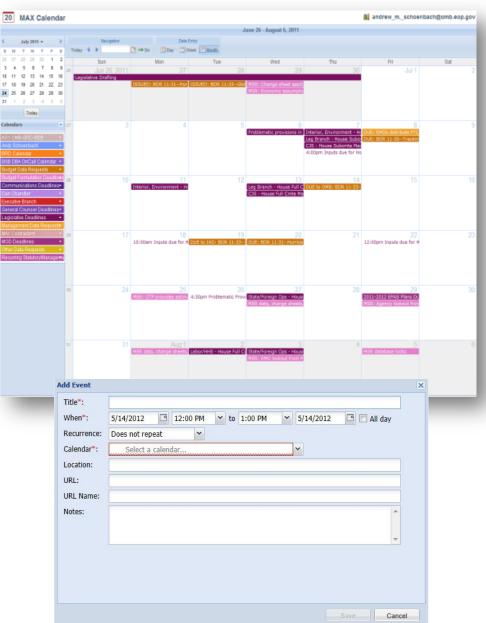


MAX Calendar



Government-wide Customizable Collaborative Calendaring

- Robust calendar capability that spans across organizational boundaries
- "Subscribe" to events to synchronize with personal calenders (e.g. Outlook)
- Calendar fields can be customized to meet specific data needs
- Tight integration with MAX Collect enables full-scale data collections including scheduling, tracking, and analytics





Direct Editing of Attachments in MS Office Applications



Direct View & Edit Files viewable while being edited by others

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⊳ 🔒		OMMUNITY-PERFORMANCE-REP MB) click file name to view)	ORTING.xlsx (Being edited by Eric Typaldos	2.50 MB	Barry Napear(OMB)	Jun 07, 2010		Options
	Co	ommunity-Usage-Reports.mdb		1.18 MB	Barry Napear(OMB)	Nov 07, 2008	Report to show number of users by agency	Options
×	C	OMMUNITY-PERFORMANCE-REP	PORTING-TODAY.xls	250 kB	Matthew Keeneth(OMB, Ctr)	Dec 17, 2007	Only shows data for current date	Options
		VIEW-ONLY						
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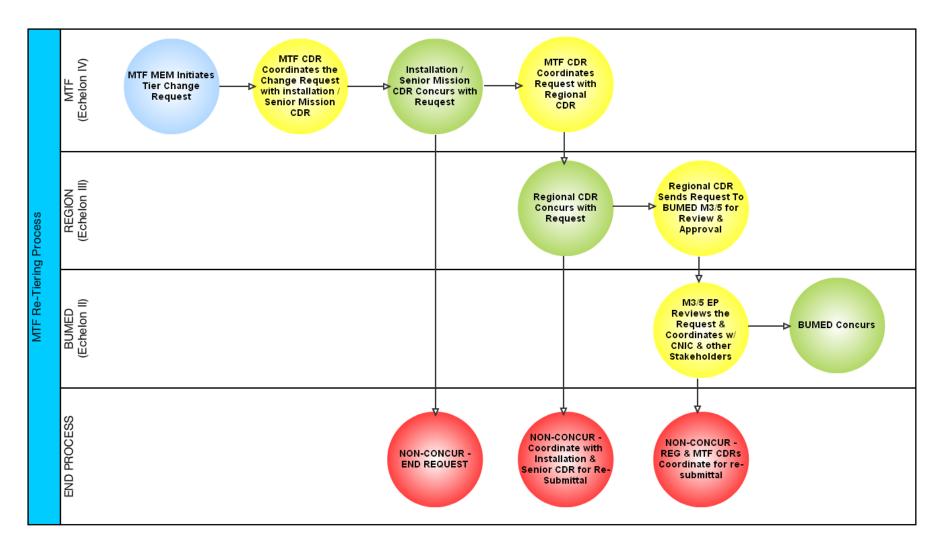
There are no child pages

All File Versions Remain Available (with attribution & date)

Туре	Name	Size	Creator/Modifier	Date 🔻	Comment
	BFELoB Overview-Latest.ppt	869 kB	ERIK PRINCE(OMB) (INACTIVE)	Mar 05, 2010	Options
Version 40	(869 kB - <u>ERIK PRINCE(OMB) (INACTIVE)</u> - Mar 05, 2010 03:45 PM)				
Version 39	(654 kB - <u>Andrew Schoenbach(OMB)</u> - Feb 13, 2010 02:30 PM)				
Version 38	(653 kB - <u>Andrew Schoenbach(OMB)</u> - Feb 13, 2010 02:18 PM)				
Version 37	(652 kB - <u>Lauren Hoshibata(ED)</u> - Jan 15, 2010 01:21 PM)				
Version 36	(652 kB - <u>Andrea Leung(OMB)</u> - Jan 13, 2010 01:59 PM)				
Version 35	(653 kB - <u>Melanie Mager(OMB)</u> - Jan 12, 2010 05:31 PM)				
Version 34	(653 kB - <u>Shawn Azman(OMB) (INACTIVE)</u> - Sep 24, 2009 11:41 AM)				
Version 33	(653 kB - <u>Shawn Azman(OMB) (INACTIVE)</u> - Sep 24, 2009 11:35 AM)				
Version 32	(653 kB - <u>Lauren Hoshibata(ED)</u> - Aug 04, 2009 11:31 AM)				
Version 31	(652 kB - <u>Mark Dronfield(ED)</u> - Jul 01, 2009 03:55 PM) Updated 6-3	30-09			
Version 30	(617 kB - <u>Andrew Schoenbach(OMB)</u> - Apr 27, 2009 07:18 PM) Upd	lated 4-27-2009			
Version 29	(569 kB - Edward Borrego(OMB) (INACTIVE) - Mar 12, 2009 09:14 AM)	Updated 3-	-12-2009		
Version 28	(524 kB - LAUREN HOSHIBATA(OMB) (INACTIVE) - Feb 11, 2009 06:34 PI	M) Update	ed 1-8-2009		
Version 27	(484 kB - <u>LAUREN HOSHIBATA(OMB) (INACTIVE)</u> - Feb 11, 2009 06:31 Pl	M) Update	ed 1-8-2009		



Create Drawings & Diagrams On Any Page - With Links to Other Content



Tiering Decision Making Factors

Current Tiering Structure

E·GOV



Multi-stage Workflow Process For Reviewing and Tracking



Move Document Through Review Stages Using Buttons

Status	View	Edit
Send for Branch Review	Author, Branch Official	Branch Official
Send for Division Review	Author, Branch Official, Division Official	Division Official
Send for Agency Review	Author, Branch Official, Division Official, Agency Official	Agency Official
Approve	Author, Branch Official, Division Official, Agency Official	Agency Official
Send for Author Re-Draft	Author, Branch Official, Division Official, Agency Official	Author

Track Status of All Documents or Projects Automatically

Documents In	Documents In	Documents In	Documents	Author
Branch Review	Division Review	Agency Review	Approved	Re-Draft
 Document A Document F Document N 	 Document C Document R 	 Document B Document N Document Q Document X 	 Document L Document M Document Y 	Document O Document Z



Manage RSVPs to Events and Meetings



- Users self register easily (w/ default contact information)
- Instant email distribution list
- > Can be used to automatically allocate limited resources

		First Name	La	st Name		
	F	Full Name: Heta	Mehta			
	Emai	il Address: heta_k_mehta@om	ib.eop.gov	john@example.com		
		Agency: OMB		1		
	Phone	e Number: (202) 395-3387		ĺ		
		Comment:		1		
Register 9 entries, out of	175 available.					
		Phone Number	Commen		Date Added	
Full Name	Agency	Phone Number (202) 395-3234	Commen	ŧ	Date Added Aug 17, 2011 01:12	
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E·GOV





of all MAX Users with Quick Search

Government-wide Directory

Home 🔻 Find People 🕐	Help 🔻 Feedback	
MAX.G	ov Directory	Share
Search Users and Groups		
First Name	Starts with ○ contains	
Last Name	O starts with ○ contains	
Email	C starts with © contains	
Community Group:	Lookup Group	
Department/Agency		
Display Count:	50 Sort By Name Sacending C descending	
	Search Reset	





MAX Collect, MAX Analytics, & MAX Publications

Government-wide data collection, tracking, analytics, and publication





- Data collection exercises can be large and complex .
- Require quick turnaround, input from multiple organizations.
- Workflow with multiple levels of review (stages and roles).
- Diverse Information requirements:
 - Text (bullets, rich-text, comments), numbers (data fields, tables), attachments
 - Analytical capabilities: Charts, graphs, reports, dashboards
 - Camera-ready publishing (paginated Table of Contents, and index)
- Integrate information collected from previous exercises and other sources.



MAX Collect



Dynamic Data Collection, Analytics, BI, Publications

The Traditional Way

- E-mailed Word/Excel Templates
- Submissions e-mailed back to a central production person:
 - Manual compilation
 - Re-editing for format
 - Manual Table of Contents
 - Manual assembly and distribution of large binders
 - Version control is problematic
- No index or search capability
- Revisions are a huge problem
- No analytical or tracking capability

The MAX Collect Way

- Web-based distributed collection
- Multiple stage workflow for progressive review and tracking
- Instant publication: PDF, Word, Excel
 - Paginated table of contents
 - Fully indexed and searchable
 - Custom tailored formats
- Easy to re-use/repurpose content
- Real-time analytics, dashboards, graphs, reports, faceted search microsites
- Data accessible on the desktop and exportable via Excel and XML





Data Collection, Analysis, & Publication Over Two Hundred Twenty-Five Collections to Date

Examples

- OMB's Budget Briefing Book (over 500 questions, 1,000 pages, 160 enterers)
- <u>Aid to State & Local Governments</u> (President's Budget, FY 2013 Analytical Perspectives Ch.17)
- <u>Cuts, Consolidations, and Savings</u> (President's Budget FY 2013, 120 pages)
- FEA Enterprise Architecture Segment (20 data elements, 61,000 rows)
- Federal Internet Domain Usage (1,800 domains, 2,000 pages, 220 enterers)
- Green Sustainability Survey (80 questions from 86 organizations)





Combination of Flexible Section Options

- Bullets
- Two Types of Paragraphs:
 - Unformatted (exercise manager retains full publication control)
 - Rich Text (user controls how presentation appears within the publication)
- Tables
 - Can be large and include data validations
 - Fixed Format (exercise manager retains full control of columns)
 - Flexible Format (user can modify column headings and add custom columns)
 - Fully customized (Attachments or Rich Text paragraphs)
- Attachments (for including existing content, complex displays, images)
- Comments
 - Non-printable and printable
 - General, or section specific
 - Custom viewing permissions (personal marginalia)
- Contacts
- Real-time data reports and charts based on data from multiple sources



Flexible Workflow With Access Controls



- Workflow reflects each step ("stage") of the exercise.
- > Access permissions can be customized for each workflow stage:
 - Authoring
 - Initial Review
 - Collaboration
 - Final Review
 - Publish
- > Access Permissions can also be set for each topic level:
 - Exercise
 - Category
 - Subcategory
 - Individual Topic/Question
- Permissions can be grouped into "Roles" using any combination of MAX "Groups" and individual users.
- Workflow can be managed at any topic level by Stages and Roles.



Fully Paginated Table of Contents & Indexed Categorizations



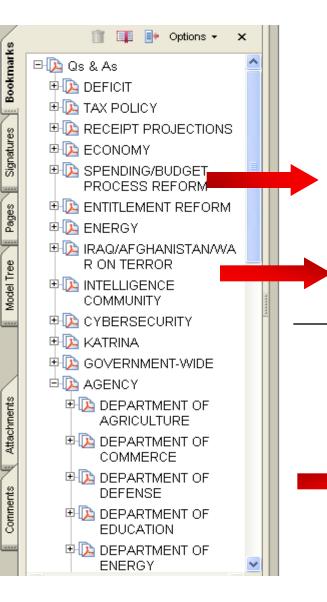
📑 • Options • 🗙	<u>DEBT</u>
FY 2009 MID-SESSION REVIEW BUDGET	What is the debt level of the U.S.? When will an increase in the debt limit be needed?
BRIEFING ROLLOUT MATERIALS	ECONOMY
TABLE OF CONTENTS	What is the outlook for the economy? 25 Does the Administration have an unduly optimistic view of the economic outlook? 27 Why doesn't the Administration recognize that the economy is in a recession? 28
 ⊕ DEFICIT ⊕ DEBT 	With the slump in the economy this year, why have FY 2008 receipts increased compared with their projected level in the FY 2009 Budget? Why are total receipts over the budget window (FY 2008-
ECONOMY	2013) up by \$4 billion compared with the FY 2009 Budget projections?
APPROPRIATIONS UPDATE PRESIDENT'S MANAGEMENT	Why is the Administration so insistent on providing more and more tax relief to the rich when the middle class and lower income Americans are struggling? Why are you against making the rich pay their fair share in taxes to reduce the deficit?

... and Full-Text Search





Example: Bulleted Talking Points, Simple **E.GOV** In-line Table, and a Chart from an Attachment



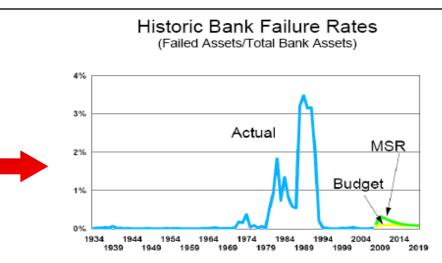
SPENDING/BUDGET PROCESS REFORM Discretionary Caps - Categories and Adjustments

Question: What is the expected impact of the program integrity cap adjustments?

Talking Points:

- Cap adjustments provide an effective way to ensure that limited resources are allocated to activities with a proven track record of reducing payment errors and generating program savings.
- All of the activities that would be funded under the cap adjustments have a positive return on investment (ROI), in some cases as high as \$10 of savings for every \$1 invested.

(BA in millions)	2001 Actual	2008 Request	2008 Enacted	2009 Request	2009 Change from 2008 (+/- %)	2009 Change from 2001 (+/- %)
Program Integrity Cap Adjustments	0	876	0	968	10.5	0





18. AID TO STATE AND LOCAL GOVERNMENTS

(Outlays in binions of donars)													
	Actual						Estimate						
	1960	1965	1970	1975	1980	1985	1990	1995	2000	2005	2010	CR	2012
A. Distribution of grants by function:													
Natural resources and environment	0.1	0.2	0.4	2.4	5.4	4.1	3.7	4.0	4.6	5.9	9.1	9.1	7.8
Agriculture	0.2	0.5	0.6	0.4	0.6	2.4	1.3	0.8	0.7	0.9	0.8	1.0	1.0
Transportation	3.0	4.1	4.6	5.9	13.0	17.0	19.2	25.8	32.2	43.4	61.0	61.1	70.7
Community and regional development	0.1	0.6	1.8	2.8	6.5	5.2	5.0	7.2	8.7	20.2	18.8	18.6	14.8
Education, training, employment, and social services	0.5	1.1	6.4	12.1	21.9	17.1	21.8	30.9	36.7	57.2	97.6	101.5	70.1
Health	0.2	0.6	3.8	8.8	15.8	24.5	43.9	93.6	124.8	197.8	290.2	295.5	288.8
Income security	2.6	3.5	5.8	9.4	18.5	27.9	36.8	58.4	68.7	90.9	115.2	116.5	110.9
Administration of justice			0.0	0.7	0.5	0.1	0.6	1.2	5.3	4.8	5.1	5.6	5.7
General government	0.2	0.2	0.5	7.1	8.6	6.8	2.3	2.3	2.1	4.4	5.2	7.2	7.9
Other	0.0	0.1	0.1	0.2	0.7	0.8	0.8	0.8	2.1	2.6	5.4	9.2	6.6
Total	7.0	10.9	24.1	49.8	91.4	105.9	135.3	225.0	285.9	428.0	608.4	625.2	584.3
B. Distribution of grants by BEA category:													
Discretionary	N/A	2.9	10.2	21.0	53.3	55.5	63.3	94.0	116.7	181.7	207.7	206.6	159.4
Mandatory	N/A	8.0	13.9	28.8	38.1	50.4	72.0	131.0	169.2	246.3	400.7	418.6	424.9
Total	7.0	10.9	24.1	49.8	91.4	105.9	135.3	225.0	285.9	428.0	608.4	625.2	584.3
C. Composition:													
Current dollars:													
Payments for individuals 1	2.5	3.7	8.7	16.8	32.6	50.1	77.3	144.4	182.6	273.9	384.5	392.5	385.4
Physical capital ¹	3.3	5.0	7.1	10.9	22.6	24.9	27.2	39.6	48.7	60.8	93.3	100.2	100.9
Other grants	1.2	2.2	8.3	22.2	36.2	30.9	30.9	41.0	54.6	93.3	130.6	132.5	98.0
Total	7.0	10.9	24.1	49.8	91.4	105.9	135.3	225.0	285.9	428.0	608.4	625.2	584.3
Percentage of total grants:													
Payments for individuals 1	35.3%	34.1%	36.2%	33.6%	35.7%	47.3%	57.1%	64.2%	63.9%	64.0%	63.2%	62.8%	66.0%
Physical capital ¹	47.3%	45.7%	29.3%	21.9%	24.7%	23.5%		17.6%	17.0%	14.2%	15.3%	16.0%	17.3%
Other grants	17.4%	20.2%	34.5%		39.6%	29.2%		18.2%	19.1%	21.8%	21.5%		16.8%
Total	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%	100.0%

Table 18–2. TRENDS IN FEDERAL GRANTS TO STATE AND LOCAL GOVERNMENTS

(Outlays in billions of dollars)



Example – Faceted Search Navigation OPM Shared List of People with Disabilities



			Results 1 - 100 of 533
Search More options Filters Click a term to filter your	John Doe Resume Example@emsil.com	15721	Position(s): Secretary, Misc., Clerical, Secretary, Degree(s): Communication, Studies City(s): Washington State(s): DC, NC, Region(s): Specific, City/State Veteran Status: No Active Clearance: No Date Submitted: 01/01/2011
search.			Address 123 Example Road
Position Contact Representative (175) IT (143)	Jane Doe	4882	Position(s): IT Degree(s): Computer, Science, Computer, Science, City(s): Dallas, Miami,
Misc. Clerical (126) Secretary (114) HR Specialist (89)	Example@email.com		State(s): FL, TX, VA, Region(s): Specific, City/State Veteran Status: No Active Clearance: No Date Submitted: 01/01/2011
HR Assistant (68) Finance (58)			Address 123 Example Road
Contract Specialist (51) Budget Analyst (39) Training and Education (35)	John Doe	16519	Position(s): HR, Specialist, Contact, Representative, HR, Assistant, HR, Specialist, Training, and, Education, Degree(s): Law, Liberal, Arts, City(s): Chicago, Pittsburgh, Seattle, Washington,
more	Example@email.com		State(s): AZ, CA, DC, IL, PA, WA, Region(s): Specific, City/State Veteran Status: No Active Clearance: No Date Submitted: 01/01/2011
DC (234) PA (111)			Address: 123 Example Road
CA (110) GA (98) NY (96) FL (95) TX (89)	Lane Doe	9084	Position(s): HR, Specialist, HR, Specialist, Degree(s): Business, Administration City(s): Atlanta, Chicago, Washington, State(s): DC, GA, IL, NC, Region(s): Specific, City/State
VA (85) MD (75) IL (70)			Veteran Status: No Active Clearance: No Date Submitted: 01/01/2011 Address: 123 Example Road
more	John Doe	15376	Position(s): IT Degree(s): Finance, Economics,
Washington (220) Pittsburgh (49)	Example@emsil.com		City(s): Charlotte State(s): NC Region(s): Specific, City/State
Atlanta (41) New York (41) Dallas (34)			Veteran Status: No Active Clearance: No Date Submitted: 01/01/2011 Address: 123 Example Road
Chicago (31) Los Angeles (23) Philadelphia (21)	Jane Doe	11268	Position(s): Misc., Clerical, HR, Assistant, Misc., Clerical, Engineering, Environmental, Engineering, Project, Management, Degree(s): Mechanical, Engineering
San Francisco (20) Baltimore (17) more	Example@email.com		City(s): State(s): AL, AK, AZ, AR, CA, CO, CT, DE, DC, FL, GA, HI, ID, IL, IN, IA, KS, KY, LA, ME, MD, MA, MI, MN, MS, MO, MT, NE, NV, NH, NJ, NM, NY, NC, ND, OH, OK, OR, PA, RI, SC, SD, TN, TX, UT, VT, VA, WA, WV, WI,





MAX Analytics





Analyze and visualize data from MAX Collect and other data sources:

- ✓ Easy-to-use interface to develop queries
- ✓ Dynamic 3D Charts and Graphs
- ✓ Publish output of queries in multiple formats:
 - $\circ~$ Spreadsheets and HTML with dynamic drilldown
 - Dynamically display content in the Community and other web dashboards

 $_{\odot}$ PDFs to include in documents and $\ensuremath{\, \text{presentations}}$

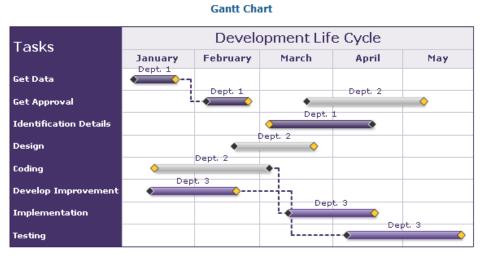
✓ Data Cube functionality (OLAP) allows users to "slice and dice" data for real time analysis and review.



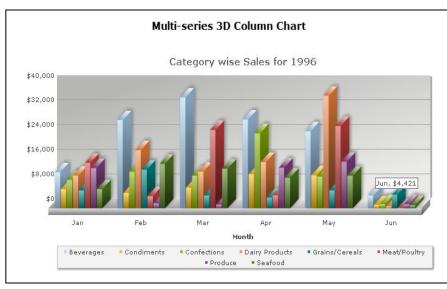
Dynamic Integrated Charts

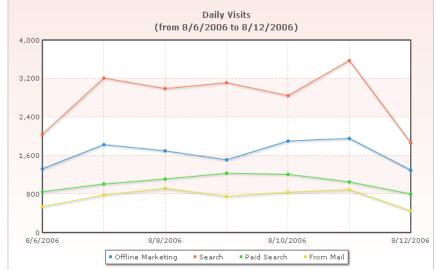


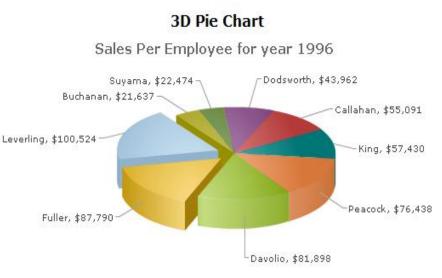
Multi-series 2D Line Chart



3D Bar Chart









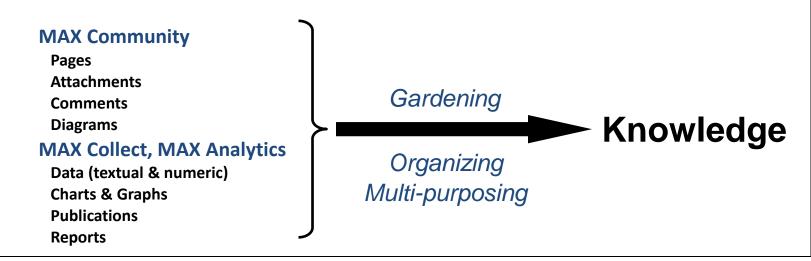
Knowledge Management



- A Natural Extension of Using MAX

Knowledge Management is only effective when content maintenance is integral to an organization's normal course-of-business activities.

- By using the MAX Community, MAX Collect, and MAX Analytics for \succ information sharing, collaboration, data collection, analytical, & publishing activities, a content base automatically accumulates.
- The Community's powerful capabilities for organizing and multi-purposing \succ content can then transform this content into organizational knowledge.



BFELB MAX Shared Desktop - Real-time **E**.Gov Collaboration in a Shared Virtual Environment

v1.9.6 😡 🖉 📾 🖂 🤣 🙁	MAX Shared Desktop	Switch Windows (Alt-Tab)	Ctrl-Alt-Del Refresh Screen	Advanced Options
Andrew Schoenbach (OMB) Approve users individually Auto accept any user	Desktop Settings			
금 솖 Online users ふ Andrew Schoenbach (OMB) 슈 Pending users	MAX Community			
Room actions Close room Refresh room	Internet Explorer			
Email invitation ⁶⁸⁰ Room URL	Mozilla Firefox			
Room Scratch Pad		▶		
Enter text for Scratch Pad and click "Post"	 Enables multi-user collaboration Completely isolated environm Use on your Netbook or other Office and other applications Custom configurations can be Fully integrated with the MAX Last 6 months: 350+ users hop participants 	nent with a vir r limited softw (IPad coming e tailored for s Federal Con	rtual Windows vare device to g soon) specific agency nmunity	run y needs
Collapse ≪	🤧 🤹 🧉 🕫 🐨 🖻 🗹 🚯 🕵			^

Done

- a

육 Local intranet | Protected Mode: Off





MAX Authentication Services

- Usable by non-MAX systems as a cloud-based service (e.g. Cyberscope, Performance.gov, Data.gov)
- Automatic registration by federal users by email
- HSPD-12 PIV/DOD CAC cards for two-factor authentication
- Federated Login with agency partners
- EOP has single sign-on

ome Manage Password Contact Us	
.OGIN WITH YOUR	
User ID & Password	PIV or CAC Card
User ID Your registered email address Password Forgot or change your password? LOGIN	Please make sure your card is plugged into the reader
Agency Federated Partner Login	





- FISMA compliant C&A'd at the FIPS 199 'Moderate' level
- Fully integrated authentication (MAX IDs and MAX groups)
 - HSPD-12 login option
 - Capable of partnering with agencies on single-signon
 - Useable by agencies in their own web applications
- Highly agile readily customizable and extendible platform
- High Capacity Highly Scalable
 - Current capacity for 150,000 users 3x current usage
 - Straightforward expansion through clustering and federation
- High Availability Business Continuity
 - Multiple redundant servers
 - Two geographically separate sites
 - HADR database technology between sites



\mathbf{FETB} MAX Vision and Roadmap for Government-wide Advanced Collaboration $\mathbf{F}_{\mathbf{E}}$



udget Formulation & Execution Line of Business					
Core Services	Content Sharing, Socia	al Information Manage	ment	-	Real-time Collaboration
FISMA compliant secure hosting facility	Advanced Groups	Data Collection &	Publications	_	Web Meetings & Online events
Self-service user provisioning	Enterprise wiki & comments	Gov't wide configurable data collection	Analytics & Busin	ess Intelligence	Shared virtual
Gov't-wide user profiles, identity	Document management	Delegated, point of origin sourced data entry	Reporting	Social Applications	desktops for collaboration
Gov't-wide SSO	Content privacy rules	Workflow and notifications	Dynamic pivot table browser	Secure surveys	Instant messaging, real- time chat
Delegated administration	Portal & Microsites	Granular data security and tracking	Data Transformation (ETL)	Dedicated blogs & forums	Unified Communications
Federated Search Multi-agency	Mashups	Document production	Business Intelligence (*best of breed)	Collaborative Ideation, Q&A	"Skype" for Government
Directory Service Virtual desktops for Telework	Editing E-mail- Integrated	Camera-ready publishing	Database as a service	Images, audio & video streaming	
(serviceable) Location-based Functionality (Content / Apps)	Collaboration Social customer service/support SaaS	Linked open data, semantic web	Data Exploration, Analysis as a service	"Scribd" like secure social documents	
Device- independent Functionality (Mobile / Tablet)	Images, audio, video streaming	Mobile and Tablet data collection		"Dropbox" for Government (advanced file sharing)	
Function Status Color Codes:	Available (Best of Breed) (Servic	Available eable, in progress)	Within six months	Within 1-2 years (faster with funding)	Envisioned – Waiting for funding





Summary

- Analytics
- Authentication Services
- Collaboration
- Data Collection & Tracking
- Document Publishing
- Federal and Non-Federal Partners
- Knowledge Management
- Online Meetings





MAX.gov Cloud Services Capabilities

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