

SBOP Repository Explorer

Explore SAP BO BI CMS repository v2.0.3

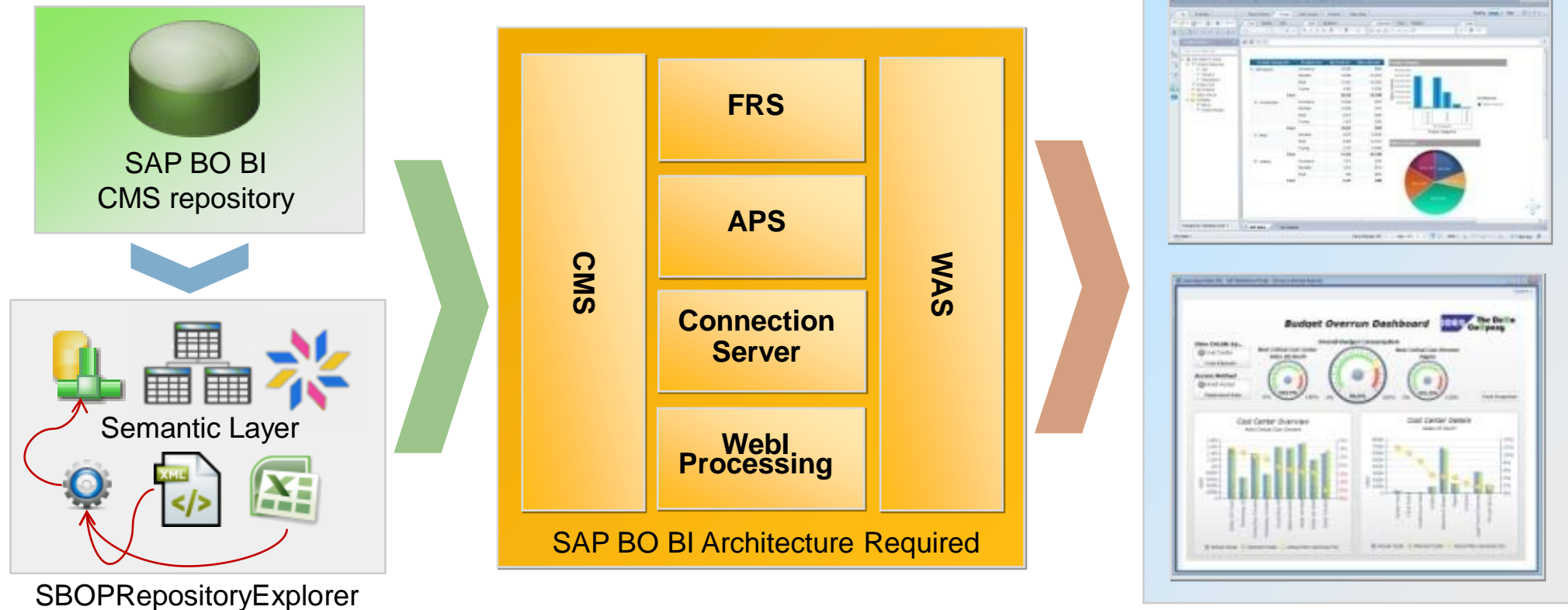
(2014)

Snapspace
Business Intelligence



Simple Architecture Required

- Full Integrated with SAP BO BI
- BO versions supported:
 - XI R2 (some tables don't exist), XI 3.1, 4.0 and 4.1
- Comes with a sample universe
- Comes with sample reports
- Easy to install and configure
- Ready to use



Edit Relational Connection
Edit SBOP Repository Explorer connection (1/2)

Customer Name: My Customer Name
License Key: 0C1C3-95ED0-ACBDC-729FA-4F0B4-3642C-6C409-65D9B
System(CMS): BI4
Authentication: Enterprise
Username: Administrator

Test Result
Test Successful

Name	Value
BusinessObjects Configuration	
Version	3.1.3
Build	14.0.
Network Layer	BO O
DBMS Engine	SBOP
Language	en
Library	C:\Pr
SBO	C:\Pr
RSS	C:\Pr
PRM	C:\Pr
Strategies	C:\Pr
Middleware and DBMS Config...	
Driver name	SBOP
Driver version	2.0.1
DBMS name	SBOP

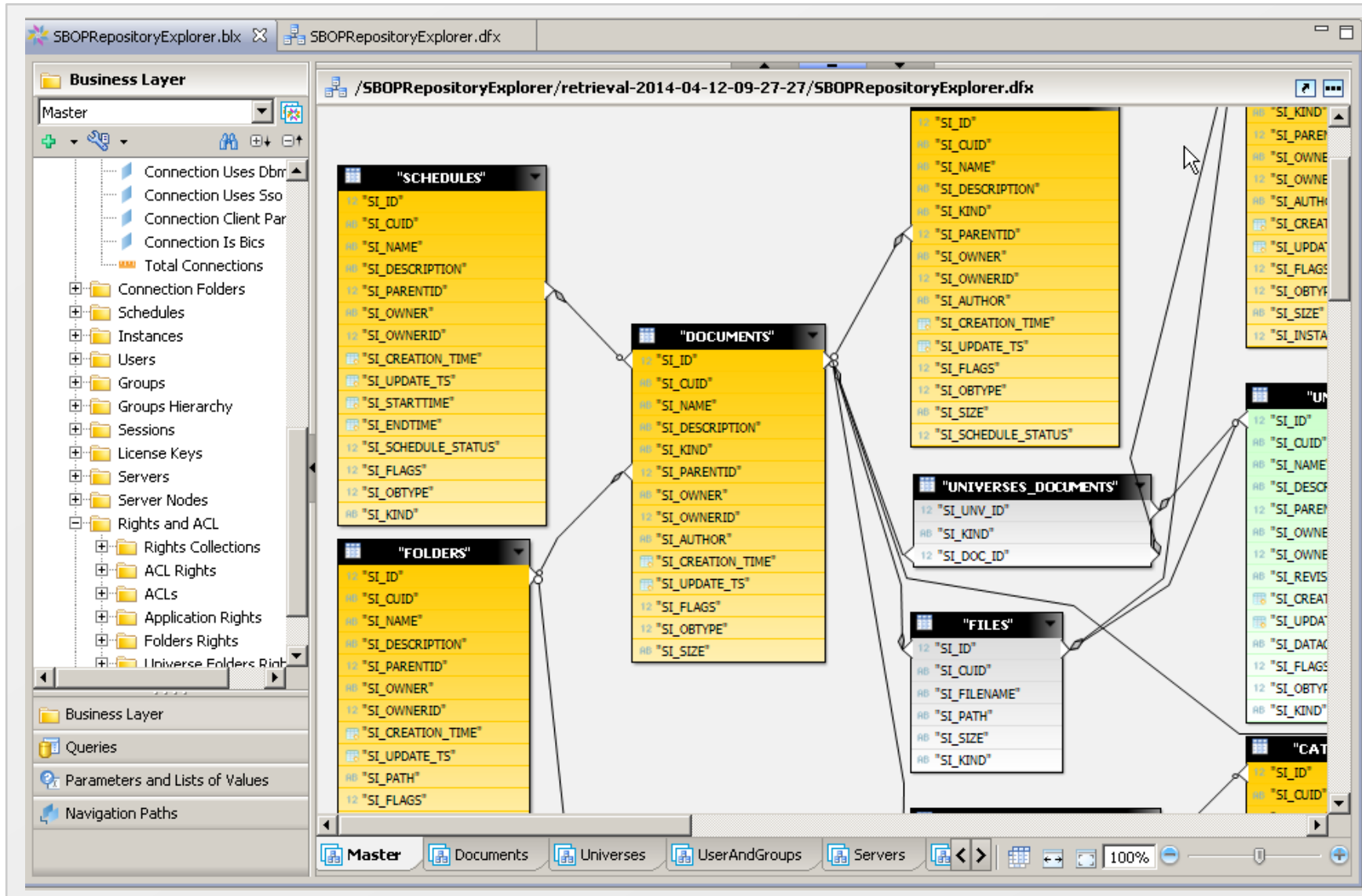
Edit Relational Connection
Edit SBOP Repository Explorer connection (2/2)

Max Objects per Query: 100000
Active Log?: No
File Log Path: C:\JMLDS_SBOPRepositoryExplorer.log
Log Level: Debug
Personal Tables (XML): G:\BIN\sbo...
Personal Data (XLS): G:\BIN\sbo...
Connection Pool Mode: Disconnect after each transaction
Pool Timeout: 60 Minutes
Array Fetch Size: 100

Easy Connection Configuration

- SAP BO BI System configurable
- All authentications available from SAP BO BI
- Limit of objects to retrieve
- Traceability (Debugging, Error log and so on)
- Connection pool configurable
 - Pool Timeout
 - Size of Array Fetch
- Create own CMS queries in an XML external file
- Import own data from an external Excel file (XLS and XLSX)

Universe Structure



Sample Universe Provided

- Structured universe
- Contains the most required objects
- Predefined filters
- Predefined measures
- Able to explore security and relation with objects (applications, folders, documents, universes and so on)
- Information about user sessions
- Server content exploration
- Scheduling and LCM exploration
- SQL ANSI 92 queries in memory
- Able to use derivate tables
- Explore and combine multiple platforms using Data Federator

Sample Reports (System Resources)

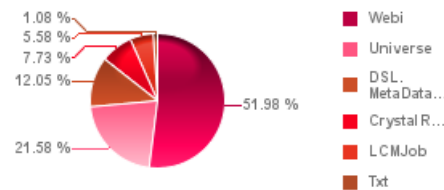


Repository Explorer by JMWLDS

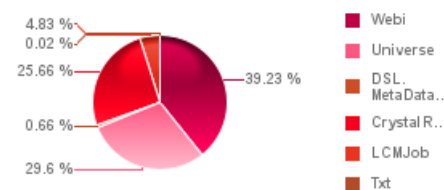
System Resources Usage by BI4

Table of Main Resources	
Resource	Value
Total Files	565
Total Space used by Files	91,148 Kb
Total Public Documents (Size)	3,168 Kb
Total Public Documents (No UNV's, CNX, ...)	389
Total Personal Documents (Size)	87 Kb
Total Personal Documents	1
Number of Users in the System	7
Number of Groups	21
Number of Schedules (Not Instances)	2
Number of Instances (Output of Schedules)	29
Number of Old Universes (UNV)	42
Number of New Universes (UNX)	67
Reports Using BICS	0
Reports Using Universes (Non BICS)	219

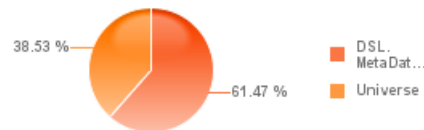
Top 6 Kind Files (number)



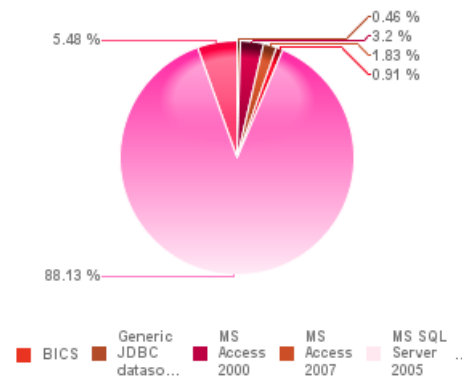
Top 6 Kind Files (Size)



Kind of Universes



Kind of Data Sources



System Resources

- Many possibilities and combinations
- Create a simple dashboard with all system resource usage by platforms
- Identify which kind of data sources are being used and by which documents/reports
- Analyze impact for conversion from UNV to UNX universes
- Analyze disk space used by documents and personal documents
- And many other metrics to explore
- Monitor the evolution and changes in the platform

Sample Reports (Security Matrix)



ACL Content


			Full Control	Full Control (Owner)	Mobile	Schedule	TST
General		Add objects to folders that the user owns		✓			✗
		Add objects to the folder	✓		✓		✓
		Change password for users that the user owns		✓			✗
		Change preferences	✓		✓		✓
		Change preferences for objects that the user owns		✓			

Applications Rights			Folder Rights																							
Application	Group	Right	Folder	Group	Right																					
Alerting	Administrators	Full Control	\Auditing	Administrators	Full Control																					
	Everyone	View		Everyone	View																					
	SMAAdmin	View(Inherited)		grpEND_USER	View (Inherited)																					
Analysis edition for OLAP	Administrators	Full Control	\Cobrança	grpGxP_READER	View (Inherited)																					
	SMAAdmin	View(Inherited)		Administrators	Full Control (Inherited)																					
BEX.BEXWeb	Administrators	Full Control	BI launch pad	grpEND_USER	View (Inherited)																					
	SMAAdmin	View(Inherited)		<table border="1"> <thead> <tr> <th colspan="3">Universe Folder Rights</th> </tr> <tr> <th>Universe Folder</th> <th>Group</th> <th>Right</th> </tr> </thead> <tbody> <tr> <td rowspan="4">\Audit</td> <td>Administrators</td> <td>Full Control (Inherited)</td> </tr> <tr> <td>Universe Designer Users</td> <td>Full Control (Inherited)</td> </tr> <tr> <td>usrENDUSER</td> <td>Full Control (Inherited)</td> </tr> <tr> <td>usrGxPREADER</td> <td>Full Control (Inherited)</td> </tr> <tr> <td rowspan="3">\Cobrança</td> <td>Administrators</td> <td>Full Control (Inherited)</td> </tr> <tr> <td>usrENDUSER</td> <td>Full Control (Inherited)</td> </tr> <tr> <td>usrGxPREADER</td> <td>Full Control (Inherited)</td> </tr> </tbody> </table>			Universe Folder Rights			Universe Folder	Group	Right	\Audit	Administrators	Full Control (Inherited)	Universe Designer Users	Full Control (Inherited)	usrENDUSER	Full Control (Inherited)	usrGxPREADER	Full Control (Inherited)	\Cobrança	Administrators	Full Control (Inherited)	usrENDUSER	Full Control (Inherited)
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Security Matrix Exploration

- Many combinations
- Access Level Exploration
- Application Rights Exploration
- Folder Rights
- Universe Rights
- Connection Rights
- Trace rights changes with Data Track
- Create online and in real time your own Security Matrix
- Investigate security issues
- Sample reports (ACL Content, Application Rights, Folder Rights, Universe Rights, Connection Rights, ...)

Sample Reports (Groups and Users)


Repository Explorer by JMWLDS

Groups and Users		
Group	Username	Full Name
>>Administrators	Administrator	
>>Cryptographic Officers	Administrator	
	Administrator	
	Guest	
	Mobile	Mobile
>>Everyone	QaaWSServletPrincipal	
	SMAAdmin	
	usrENDUSER	
	usrGxPREADER	
>>grpEND_USER	usrENDUSER	
	usrGxPREADER	
>>grpEND_USER>>grpEND_USER_A	usrENDUSER	
	usrGxPREADER	

Groups and Users Relation

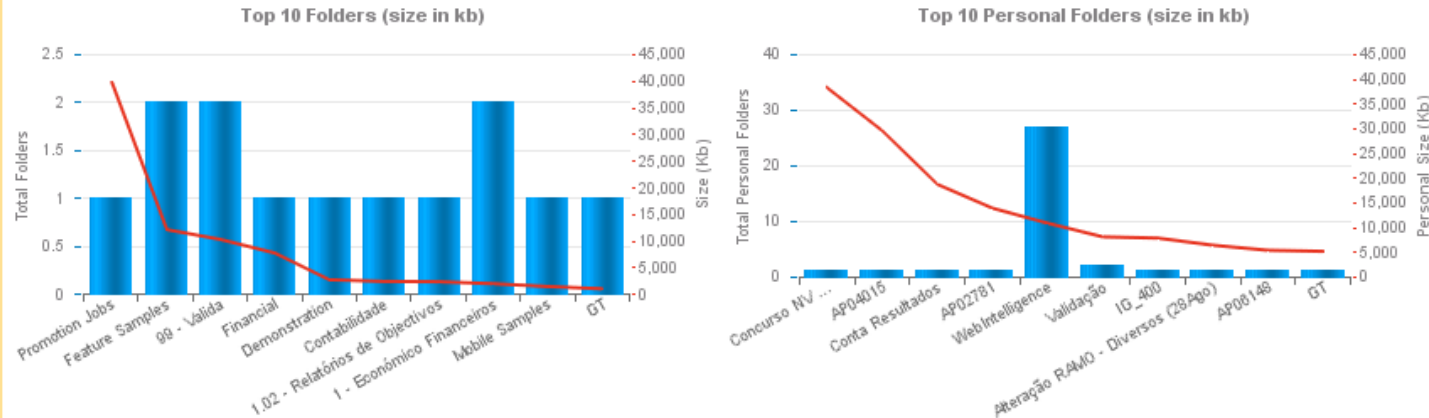
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Sample Reports (Folders Resources)



Repository Explorer by JMWLDS

Space used per each Folder (in Kb)



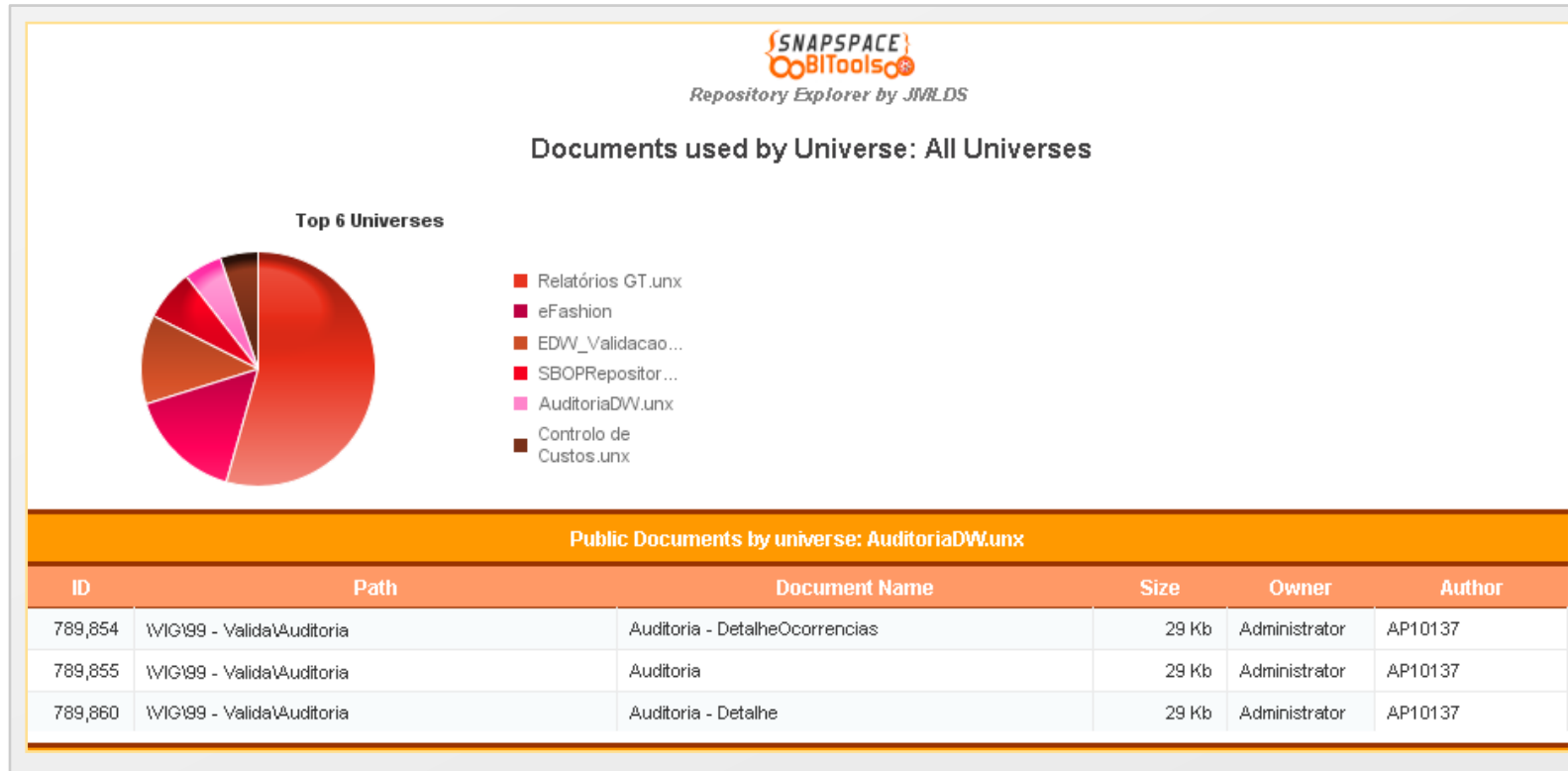
Folder Structure (files used)

Folder Relative Path	Folder Name	File Size	Total Files
	Auditing		1

Folders Resources

- Folders structure
- System resources used:
 - Number of files
 - Disk space used
- Public and private


Sample Reports (Documents used by Universe)



Documents used by Universe

- Relation between universes and public documents
- Information about document (size, path, ID, ...)

Sample Reports (Servers and services)


 Repository Explorer by JMWLDS
Servers Information


SIA Nodes					
ID	Node Name	Server Name	Username	Is Alive	Last Restart
772	BI4	BI4	BI4\$	✓	2014-01-08 18:00:46.000000

Node Servers			Node Servers			
ID	Kind	Name	CMS	PID	Is Running	Disable
728	aps	BI4.CentralManagementServer	bi4:6400	696	✓	
1,102	cacheserver	BI4.CrystalReportsCacheServer	BI4:6400	3,688	✗	🚫
1,164	connectionserver	BI4.ConnectionServer	bi4:6400	3,000	✓	
1,170	connectionserver	BI4.ConnectionServer32	bi4:6400	4,212	✓	
1,158	dpscacheXL.Query	BI4.DashboardsCacheServer	BI4:6400	1,480	✗	🚫
1,190	dpsprocXL.Query	BI4.DashboardsProcessingServer	BI4:6400	1,572	✗	🚫
1,114	eventserver	BI4.EventServer	BI4:6400	4,352	✗	🚫
6,432	explorerExploration	BI4.ExplorerExplorationServer	BI4:6400	5,052	✗	🚫

Servers and Services Information

- SIA / Node status and information
- Server information and status:
 - Running or stopped
 - Disable / enable

Sample Reports (User Sessions)


Repository Explorer by JMWLDS

User Sessions				
Username and ID	Authentication	CMS	Last Access	Last Logon
Administrator(ID=12)	secEnterprise	bi4:6400	2014-01-08 18:03:30.000000	2014-01-08 18:03:30.000000
	secEnterprise	bi4:6400	2014-04-12 14:36:14.000000	2014-04-12 14:36:14.000000
	secEnterprise	bi4:6400	2014-04-12 14:57:55.000000	2014-04-12 14:57:55.000000
	server-token	bi4:6400	2014-04-12 10:46:08.000000	2014-04-12 10:46:08.000000
System Account(ID=10)	server-token	bi4:6400	2014-01-15 22:04:40.000000	
	server-token	bi4:6400	2014-01-15 22:04:42.000000	
	server-token	bi4:6400	2014-01-15 22:06:25.000000	
	server-token	bi4:6400	2014-01-15 22:11:12.000000	
	server-token	bi4:6400	2014-01-15 23:01:48.000000	
	server-token	bi4:6400	2014-04-12 09:36:16.000000	

User Sessions

- List of active sessions in the system
- Username and kind of authentication used
- CMS used when login is done
- Last date/time of activity
- Date/time of logon

Sample Reports (DB Connections)

Relational and OLAP Connections			
\BI4:6400\Application Folder\Root Folder 95\Connections\Audit			
Connection Name	Driver	Is OLAP	Is BICs
SBOPRepositoryExplorerVictoria	BO OC	No	No
\BI4:6400\Application Folder\Root Folder 95\Connections\CommonConnections			
Connection Name	Driver	Is OLAP	Is BICs
CHANGE_THIS	Oracle OCI	No	No
Conversion Audit Connection	Oracle OCI	No	No
efashion	ODBC	No	No
efashion-webi	ODBC	No	No
FFN	Oracle OCI	No	No
IVA	Oracle OCI	No	No
Monitoring TrendDB Connection	JDBC	No	No
SBOPRepositoryExplorerLocal	BO OC	No	No
VICDW_GT_DB	ODBC	No	No

Relational and OLAP Connections

- List of Connections by Folder
- Identify if is OLAP or Relational
- Identify if is BICs
- List kind of drivers used



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