Bruno Masek
Global VP 360Suite

CLOUD MIGRATION
(AWS, AZURE, SAP, etc.)

360Suite
Business Objects Solutions

Why Migrate to the Cloud?

1. Lower Infrastructure Costs

Not just hardware, maintenance and data center costs as well as staffing.

2. Increase Business Agility

Quick and easy to deploy machines to respond to increased capacity demand.

3. Full Infrastructure Disaster Recovery

Cloud providers have software to mirror servers.

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Fully Cloud

Business Objects and its dependencies (Auditing, CMS, File Store and Reporting) are hosted on the Cloud.

Hybrid Architecture

Business Objects or its associated databases are split between residing on premise and on the Cloud.

Industry Trend

"70% of organizations will be implementing
a multi-cloud strategy by 2019"

Gartner

Faster and Easier SAP Business Objects Cloud Migrations (AWS, Azure, HEC, etc.) with 360Suite

1 Perform BI on BI Assessment
360Suite makes it easy to analyze the source platform by querying the CMS, FRS and Auditor across all environments.

2 Backup Environment
360Suite performs incremental backups, which allow for selective rollbacks to any previous version of any object at any time.

3 Cleanup Environment
360Suite identifies unused and duplicate content in order to promote, delete, or archive it in bulk.

4 Optimize Business Objects
360Suite tunes up Business Objects Webi reports removing unused report variables to speed up performance

5 Analyze License Pool and Session Peaks
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9 Monitor Performance
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10 Ensure Security
360Suite maps security structures before and after migrating Business Objects to the cloud, and identifies data impacted by regulatory requirements.

360 Suite

SAP Partner

Streamline and Extend SAP BusinessObjects

360 View **360** View init

Secure your BO Deployment

360 Cast

Schedule & Burst your BO reports

360 Univ

Bulk Delete / Insert / Update Universe Objects

360 Plus **360** Vers

Backup, Promote & Version BO content

360 Bind

Calculation Engine Changes Automated Testing

360 Eyes **360** Eyes Compliance

BI on BI and Impact Analysis

XIR2
XI3
BI4

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Step 1: BI on BI Assessment

360 Eyes

Last document used

Document Path	Document CUID	Document Name	Action Count	Last Action Date	Number of Inactivity Days
/Root Folder/360eyes reports/02 Report/Comparison/	Ab.CmnMGEKtDv55u.xxFd_8	360eyes REPORT - 31 Track duplicated reports	5	1/30/17	0
/Root Folder/360eyes reports/02 Report/User activity/	AViBvelPtZIPvXYIoF91C2A	360eyes REPORT - 62 User actions list	5	1/30/17	0
/Root Folder/360eyes reports/02 Report/User activity/	AZYvmQzS5nBEpmH9Sk34LMQ	360eyes REPORT - 60 Last documents use	5	1/30/17	0
/Root Folder/360eyes reports/03 Universe/	ARt52TtC7opluKbNEOHuG5M	360eyes UNIVERSE - 72 Unused universe objects	5	1/30/17	0

Last Login date for users

User Name	User Fullname	User Type	User Last Login
360Demo1	360 Demo Account	secEnterprise;	NEVER CONNECTED
360Demo2	360 Demo Account	secEnterprise;	NEVER CONNECTED
Alfatec	Alfatec	secEnterprise;	NEVER CONNECTED
allen	Allen Test	secEnterprise;	NEVER CONNECTED
antoine	Antoine Pourpoint GBS	secEnterprise;	NEVER CONNECTED
Bob	Bob Test	secEnterprise;	NEVER CONNECTED
christian	Christian Cressman	secEnterprise;	NEVER CONNECTED
training_CO	Christophe Ochin	secEnterprise;	NEVER CONNECTED
juntalan	Joanne Untalan	secEnterprise;	8/14/17
cmasquelier	Chloé Masquelier	secEnterprise;	6/30/17

Document and Instance Volume

Folder Group	Document Count	Instance Count	Document Size (MB)	Instance Size (MB)
/Inboxes/	23,936	45	8,374.41	6.23
/Root Folder/	3,128	4,434	1,867.77	1,162.90
/User Folders/	51,764	10,274	26,604.94	11,261.40
SUM:	78,828	14,753	36,847.12	12,430.53

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360 Eyes

User Action List
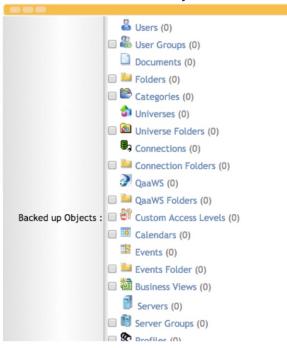
| Document Hostname	Document Path	Document Name	Action Username	Action Date	Action Type
@sapbi4trainin	/Inboxes/DavidHD/	360Cast_Expense per Quarter (Tue Jul 11 19:51:47 CEST 2017)	NO ACTION	NO ACTION	NO ACTION
@sapbi4trainin	/Inboxes/DavidHD/	360Cast_Expense per Quarter (Tue Jul 11 19:53:39 CEST 2017)	NO ACTION	NO ACTION	NO ACTION
@sapbi4trainin	/Inboxes/DavidHD/	360Cast_Expense per Quarter (Tue Jul 11 19:55:16 CEST 2017)	NO ACTION	NO ACTION	NO ACTION
@sapbi4trainin	/Inboxes/rbisarre/	360eyes HEALTHCHECK - 90 Document and Instance Volume :	rbisarre	10/9/2017	Modify
@sapbi4trainin	/Inboxes/rbisarre/	360eyes HEALTHCHECK - 90 Document and Instance Volume :	rbisarre	10/9/2017	Modify
@sapbi4trainin	/Inboxes/rbisarre/	360eyes HEALTHCHECK - 90 Document and Instance Volume :	rbisarre	10/9/2017	Modify
@sapbi4trainin	/Root Folder/360bind/	Margin per Quarter	Administrator	11/6/2017	Instance Open
@sapbi4trainin	/Root Folder/360bind/	Margin per Quarter	Administrator	11/6/2017	Instance Refresh
@sapbi4trainin	/Root Folder/360bind/	Margin per Quarter	Administrator	11/6/2017	Instance Save
@sapbi4trainin	/Root Folder/360bind/	Margin per Quarter	Administrator	11/7/2017	Instance Save
@sapbi4trainin	/Root Folder/360bind/	Margin per Quarter	Administrator	11/8/2017	Instance Open
@sapbi4trainin	/Root Folder/360bind/	Margin per Quarter	Administrator	11/8/2017	Instance Refresh
@sapbi4trainin	/Root Folder/360bind/	Margin per Quarter	Administrator	11/8/2017	Instance Save
@sapbi4trainin	/Root Folder/360bind/	Margin per Quarter	yoouty	8/23/2017	Create
@sapbi4trainin	/Root Folder/360bind/	Margin per Quarter	yoouty	8/23/2017	Instance Create
@sapbi4trainin	/Root Folder/360bind/	Test	rbisarre	6/9/2017	Create

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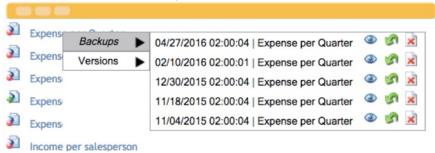
Incremental and Object Level

Compare and Rollback

Restore
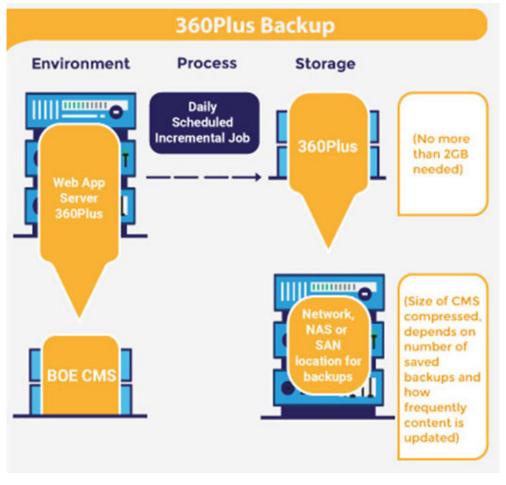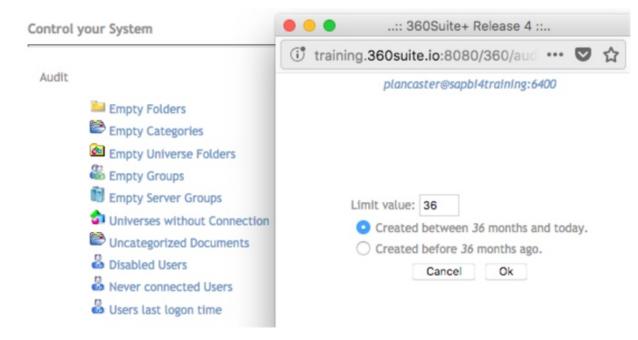
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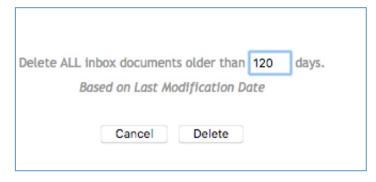
Step 3: Cleanup Environment

1. Find and delete never connected users

Control your System

Audit

- 📁 Empty Folders
- 📑 Empty Categories
- 🗂 Empty Universe Folders
- 👥 Empty Groups
- 🗄 Empty Server Groups
- 🎨 Universes without Connection
- 📂 Uncategorized Documents
- 👤 Disabled Users
- 👤 Never connected Users
- 👤 Users last logon time

...:: 360Suite+ Release 4 ::...

ⓘ training.360suite.io:8080/360/aud ••• 🛡 ☆

plancaster@sapbi4training:6400

Limit value: 36

◉ Created between *36* months and today.
○ Created before *36* months ago.

Cancel   Ok

2. Clean Inboxes

Delete ALL inbox documents older than 120 days.
Based on Last Modification Date

Cancel   Delete

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3. Delete Unused Documents

plancaster@sapbi4demo:6400

⚙️ **Job Task**

CMS:	SAPBI4DEMO
User Name:	plancaster
Password:	••••••••••
Authentication:	Enterprise
Task Title:	Delete Used Documents

Job type:	Delete Documents

To delete documents based on their ID or CUID.

Local File	c:/temp/reports_delete.xlsx

Use this template

Delete By: ● ID
○ CUID

4. Archive Instances

CMS:	SAPBI4TRAINING:6400
User Name:	plancaster
Password:	••••••••••
Authentication:	Enterprise
Task Title:	Archive instances

Job type:	Archiving Instances
Local File	C:\archiving_instances_pl.xlsx

Use this template

Destination path :	c:\instances
Formats :	☑ PDF
	☑ EXCEL
	☐ CSV
	☐ TEXT
Remove extracted instances :	☑
Instance name :	%T-%D-%O

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360Suite Solutions can help with reducing the data out transfer costs:

1. Identify unused report objects and variables and remove from reports if possible.

2. Consider sending schedules and publications to BOBJ Inboxes or Public Folders.

3. Scheduling / Bursting Reports instead of refreshing On Demand.

360 Eyes

Tune Webi Reports: Identify unused report objects and variables.

Dataprovider Name	Result Class	Result Name	Used?
REPORT	Eye Document	Document Eye Id	1
REPORT	Eye Facts	Object Count	2
REPORT	Eye Snapshot	Snapshot Cms	2
REPORT	Eye Snapshot	Snapshot Date	2
REPORT	Eye Snapshot	Snapshot Id	3
REPORT	Eye Snapshot	Snapshot Name	0
REPORT	Object	Object Eye Id	1
REPORT	Object	Object Name	0
REPORT_ACTION	Eye Action	Action Date	0
REPORT_ACTION	Eye Action	Action Eye Id	0
REPORT_ACTION	Eye Action	Action Type	0
REPORT_ACTION	Eye Action	Action Username	0

Dataprovider Name	Condition Class	Condition Name	Operator	Operand
REPORT	Eye Snapshot	Snapshot Id		[QtQueryPrompt [ke
REPORT_ACTION	Eye Snapshot	Snapshot Id		[QtQueryPrompt [ke
UNIVERSE	Eye Snapshot	Snapshot Id		[QtQueryPrompt [ke
UNIVERSE	Eye Universe Obj	Object Eye Id		null

Variable Name	Variable Qualification	Variable Type	Used?
Ratio	MEASURE	2	2
Total Objects	MEASURE	2	2
Used Objects	MEASURE	2	2

Dataprovider Sql Query

```
SELECT DISTINCT
  EYE_SNAPSHOT.SNAPSHOT_ID,
  EYE_ACTION.ACTION_TYPE,
  EYE_ACTION.ACTION_ID,
  EYE_ACTION.ACTION_DATE,
  EYE_ACTION.ACTION_USERNAME,
  EYE_SNAPSHOT.SNAPSHOT_NAME,
```

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Scheduling Analysis Report

Folder Name	Document Name	Instance Type	Schedule Status	Schedule Begin Date	Schedule Destination	Schedule Duration
/Root Folder/01_Marketing_LNO/	Expense per Quarter	Webi	Complete	7/11/17 10:55	Default	6
/Root Folder/0_Finance_LB/	Margin per Quarter	Webi	Complete	11/1/17 8:58 AM	Default	18
/Root Folder/0_Finance_LB/	Margin per Quarter	Webi	Complete	11/2/17 8:58 AM	Default	20
/Root Folder/0_Finance_LB/	Margin per Quarter	Webi	Complete	11/3/17 8:58 AM	Default	17
/Root Folder/0_Finance_LB/	Margin per Quarter	Webi	Complete	11/4/17 8:58 AM	Default	12
/Root Folder/0_Finance_LB/	Margin per Quarter	Webi	Complete	11/5/17 8:58 AM	Default	12
/Root Folder/0_Finance_LB/	Margin per Quarter	Webi	Complete	11/6/17 8:58 AM	Default	13
/Root Folder/0_Finance_LB/	Margin per Quarter	Webi	Complete	11/7/17 8:58 AM	Default	13
/Root Folder/0_Finance_LB/	Margin per Quarter	Webi	Complete	11/8/17 8:58 AM	Default	17
/Root Folder/0_Finance_LB/	Margin per Quarter	Webi	Complete	11/9/17 8:58 AM	Default	18
/Root Folder/0_Finance_LB/	Margin per Quarter	Webi	Complete	11/10/17 8:58	Default	20
/Root Folder/0_Finance_LB/	Margin per Quarter	Webi	Recurring		Default	
/Root Folder/0_Finance_LB/	Sales Revenue Per Store	Webi	Complete	10/26/16 9:08	Default	62
/Root Folder/360eyes jobs/	360eyes_CMS	Program	Complete	4/23/16 12:56	Default	8,189

Additional Information available:
- Prompts and Prompt Values
- Error message
- Schedule Destination (Email, folder, etc.)
- Frequency (Once, Daily, Weekly, etc.)

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Scheduling / Bursting Reports instead of refreshing On Demand.
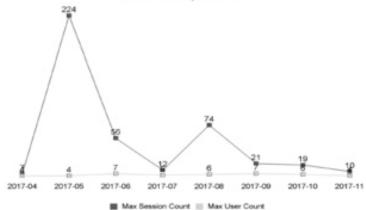
System: @sapbi4demo:6400
Session analysis
Snapshot Date: 11/10/17 (CMS)
Source: 360eyes Database

Max Session # per Month

■ Max Session Count   ■ Max User Count

Max Session Count per Month

Year-Month	Max Session Count	Max User Count
2017-04	7	4
2017-05	224	4
2017-06	56	7
2017-07	12	5
2017-08	74	6
2017-09	21	7
2017-10	19	6
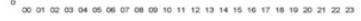
3 biggest session peak

Date	Session Count Per Session Sampling Duration	User Count Per Session Sampling Duration
5/5/17 4:00 PM	224	1
5/5/17 3:00 PM	145	3
5/5/17 6:00 PM	137	1

Average Session # per Hour

■ Average Session Count   ■ Average User Count

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Step 6: Develop Plan to Migrate Content

Source

plancaster@sapbi4demo:6400

⚙️ Promotion Task

Task Title: Promote to AWS

Source type: CMS
CMS Source: SAPBI4DEMO
User Name: plancaster
Password: ••••••••••
Authentication: Enterprise

👤 Users (0)
☐ 👥 User Groups (0)
📄 Documents (0)
☐ 📁 Folders (0)
☐ 📁 Category Folders (0)
🔷 Universes (0)
☐ 📁 Universe Folders (0)
🗄️ Connections (0)
☐ 📁 Connection Folders (0)
🔹 QaaWS (0)
☐ 📁 QaaWS Folders (0)
☐ 📋 Custom Access Levels (0)
☐ 📁 Projects (0)
☐ 📦 DataServices (0)

Source elements

Manage dependencies

Destination

Destination type: ✓ CMS / Biar
CMS Destination:
User Name: plancaster
Password: ••••••••••
Authentication: Enterprise

👥 User Groups (0)
📁 Folders (0)
📁 Categories (0)
📁 Universe Folders (0)
📁 Connection Folders (0)
📁 QaaWS Folders (0)
📁 Projects (0)

Destination elements

Options

Include subfolders: ☑
Include contents: ☑
Include security: ☐
Instances: ☐
Favorites & Inboxes: ☐

Create New Objects: ☐
Migrate with Flag: ☐
Purge documents: ☐
Delta Mode: ☐

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Compare Folder Security

		Administrators	Affecto_test	Asia	CMS1
/Categories/	Snapshot 0	No Access			
	Snapshot 10	Advanced			
/Root Folder/360bind/	Snapshot 0				
	Snapshot 10				
/Root Folder/360cast/	Snapshot 0	Advanced		No Access	
	Snapshot 10	Advanced		No Access	
/Root Folder/360eyes jobs/	Snapshot 0		View	View	No Access
	Snapshot 10		View	View	No Access

Highlight Differences

Compare Universes

Values: Added, Modified, Deleted

MODIFIED Objects before

Difference	Obj Id	Class Full Name	Obj Name	Obj Description	Qualification	Obj Select
MODIFIED	187	Root/Time period	Fiscal Period	Year FY99 - FY01	2	Calendar_year_lookup.Fiscal_Perio
MODIFIED	188	Root/Time period	Year	Year 2003 - 2006.	1	@Aggregate_Aware(Agg_yr_qt_rn_st_ln_ca_sr.Yr,

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WEBI 4.2 On Prem   WEBI 4.2 On Cloud

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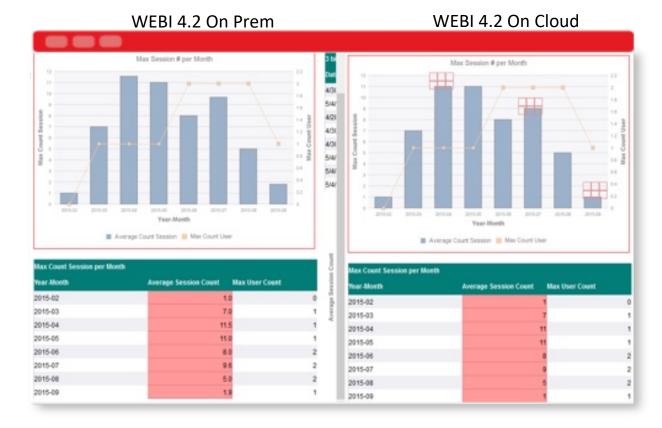
Highlight Differences in Response times based on threshold set:

Compare execution times	☑
Threshold value (%)	20

WEBI 4.2 On Prem

360eyes CMS - 05 Overloads summary(FgwsK01RjgUAEQcAAJAbEEQACAAn3btL)

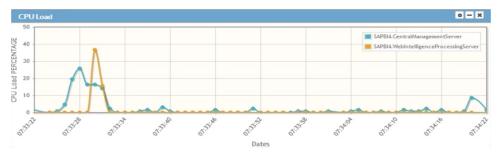In sapbi4.demo.gbs:6400 - BI4 - 2016.02.10 07-51-41: true

Execution Time: 9s

WEBI 4.2 On Cloud

360eyes CMS - 05 Overloads summary(FgwsK01RjgUAEQcAAJAbEEQACAAn3btL)

In sapbi4.demo.gbs:6400 - BI4 - 2016.02.10 07-58-36: true

Execution Time: 1m 13s

360 Live

Real-time analysis of platform performance indicators

CPU, Memory, Resources...

Alerts
Notifications

CPU Load

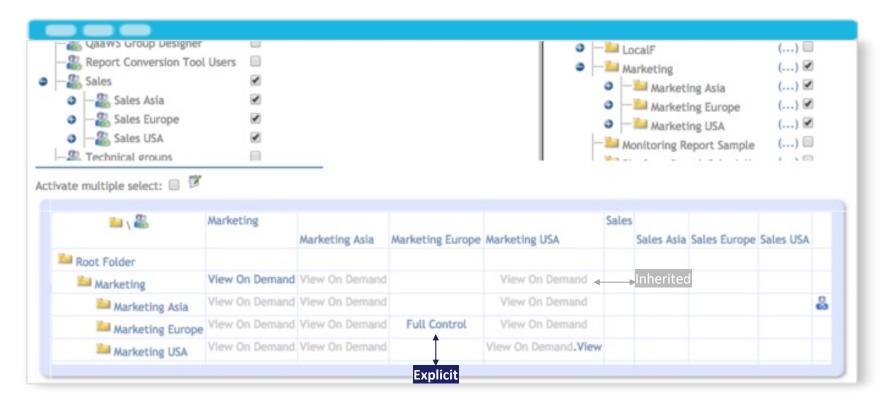SAPBI4.CentralManagementServer
SAPBI4.WebIntelligenceProcessingServer

- Light weight Monitoring HTML5
- Monitor each BOE process, status and health
- Locate long running reports
- Define specific dates and Times to enable alerting
- Generate alerts when processes are down or thresholds are reached for Memory and CPU
- Identify instance-related issues: get alerts about instance size and instance running time
- Trigger Process Auto Restart, BO program, Run executable etc
- Email notifications and logs for comprehensive monitoring
- Real-time analysis of platform performance indicators.
- Detect running platform issues (CPU, memory, etc.)
- Drill Down (alternative to Query Builder) with possibility to export to Xls

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Easily Manage Security

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Why 360Suite ?

★ 360Suite Solutions for SAP BusinessObjects.
  >2,000,000 end users!
  Version control, backup & disaster recovery, audit, alerting, promotion, bursting,
  impact analysis, regression testing, BI on BI, security, monitoring, alerting & more.

★ Why We Win: Cut operational costs, mitigate risks: (FISMA, SOX, HIPAA, GDPR, etc.),
  maintain a clean/efficient/secured environment, reduce migration/upgrade costs (4.2, SP,
  Cloud, etc.), cross charging, measure real BI usage & have an awesome services team!

  "360Suite THE essential solutions to streamline your Business Objects"
  D. Payre, Business Objects Co-founder

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Future 360Suite Webinars and Events

Spring 2018: Monitoring with 360Live – Kill Webi processes

Other webinars ??

June 5 - 8, 2018: SAPPHIRE – Orlando, FL

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