

> Upgrading to Essbase and Web Analysis 11

Glenn Van Benschoten
Senior Product Manager
SPSS, Inc



> Audio Details

- The audio portion of this event will come through your computer speakers. (see adjusting volume control below)
- If you do not have functioning speakers, and would like to dial in to the call using your telephone, please dial:

US/Canada 866.469.3239

*****Event Number: 931 766 845**

- Upon joining the call, **you will not hear hold music**. Periodic announcements will be made to test the volume through your speakers.

Q & A

- Type any questions into the Q&A Tab on the right

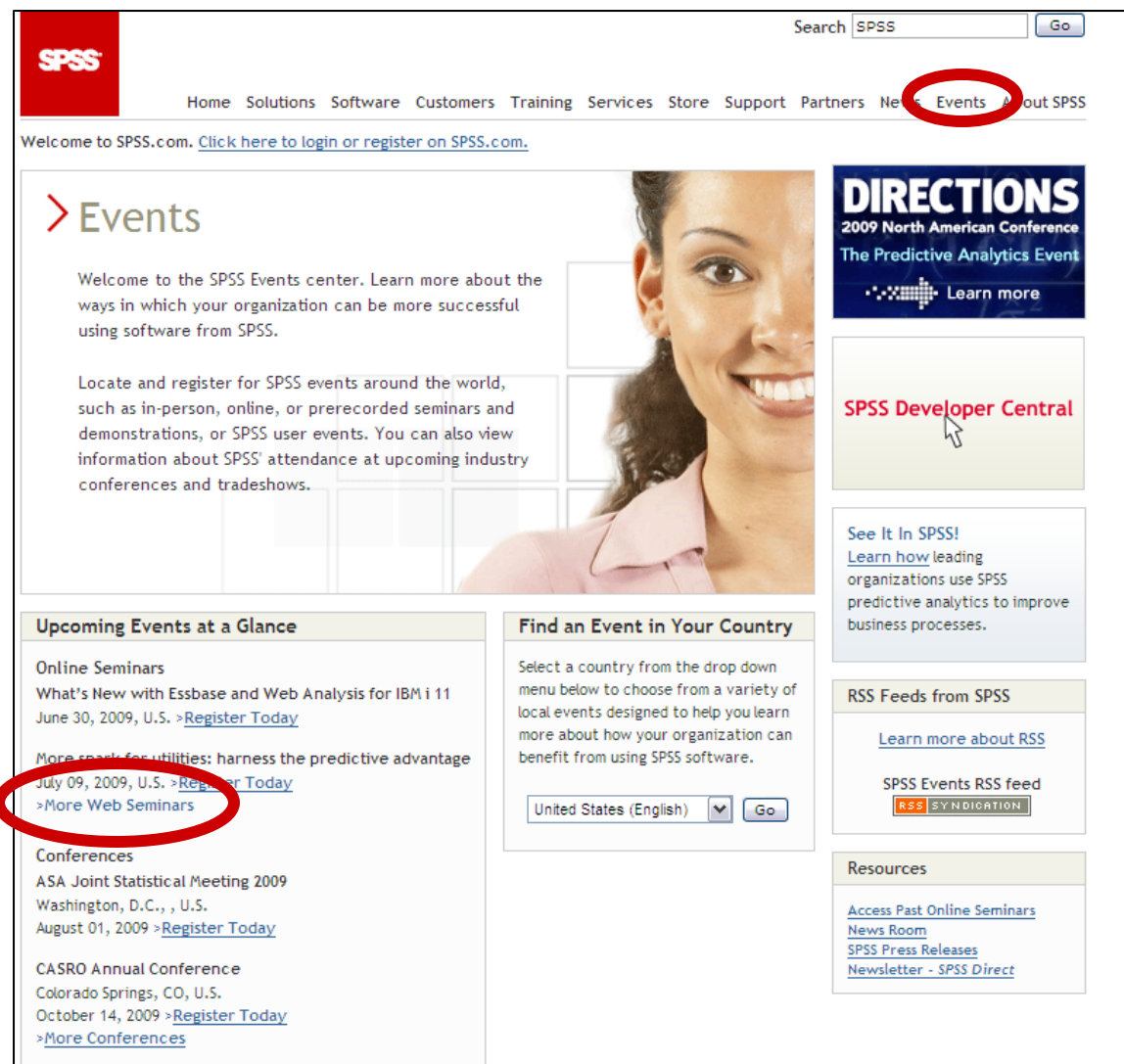
Adjusting volume control

- Through the Volume Control Panel on your computer
- Through the Webex Audio Broadcast window (see image below). You can adjust the volume slider on this control as needed.



> Webinar recording and slides <http://www.spss.com/events/>

SPSS



The screenshot shows the SPSS Events page. At the top, there is a search bar and a navigation menu with links: Home, Solutions, Software, Customers, Training, Services, Store, Support, Partners, **Events** (circled in red), and About SPSS. Below the navigation bar, a welcome message says "Welcome to SPSS.com. Click here to login or register on SPSS.com." The main content area is titled "Events" and includes a large image of a smiling woman. To the right of the image, there is a "DIRECTIONS" banner for the "2009 North American Conference" and a "SPSS Developer Central" link. Below the main content, there are three columns: "Upcoming Events at a Glance" (listing online seminars and conferences), "Find an Event in Your Country" (with a country dropdown menu), and "RSS Feeds from SPSS" (with a link to learn more about RSS). The "Upcoming Events at a Glance" section is circled in red, and the "Find an Event in Your Country" section is also circled in red. The "RSS Feeds from SPSS" section is circled in red.

SPSS

Search

Home Solutions Software Customers Training Services Store Support Partners **Events** About SPSS

Welcome to SPSS.com. [Click here to login or register on SPSS.com.](#)

> Events

Welcome to the SPSS Events center. Learn more about the ways in which your organization can be more successful using software from SPSS.

Locate and register for SPSS events around the world, such as in-person, online, or prerecorded seminars and demonstrations, or SPSS user events. You can also view information about SPSS' attendance at upcoming industry conferences and tradeshows.

Upcoming Events at a Glance

Online Seminars
What's New with Essbase and Web Analysis for IBM i 11
June 30, 2009, U.S. >[Register Today](#)
More speak for utilities: harness the predictive advantage
July 09, 2009, U.S. >[Register Today](#)
>[More Web Seminars](#)

Conferences
ASA Joint Statistical Meeting 2009
Washington, D.C., U.S.
August 01, 2009 >[Register Today](#)
CASRO Annual Conference
Colorado Springs, CO, U.S.
October 14, 2009 >[Register Today](#)
>[More Conferences](#)

Find an Event in Your Country

Select a country from the drop down menu below to choose from a variety of local events designed to help you learn more about how your organization can benefit from using SPSS software.

DIRECTIONS

2009 North American Conference
The Predictive Analytics Event
[Learn more](#)

SPSS Developer Central

[See It In SPSS!](#)
[Learn how](#) leading organizations use SPSS predictive analytics to improve business processes.

RSS Feeds from SPSS

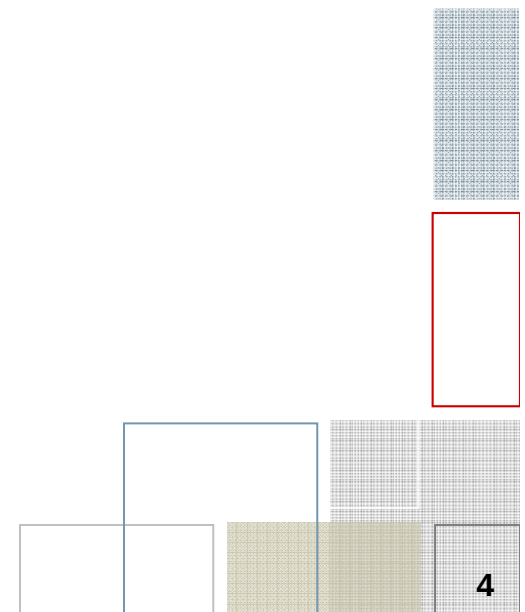
[Learn more about RSS](#)
SPSS Events RSS feed
[RSS SYNDICATION](#)

Resources

[Access Past Online Seminars](#)
[News Room](#)
[SPSS Press Releases](#)
[Newsletter - SPSS Direct](#)

>Agenda

- What's New in Essbase 11 and Web Analysis 11
- Upgrade – 50,000 Feet
- Architecture – 7.X
- Architecture – 11.X
- Required Release of Essbase and Analyzer to upgrade from
- Security Considerations
- Pre-Requisites
- Outline of Upgrade Process
- Migration of Essbase applications and data
- Migration of Web Analysis Reports
- Starting/Stopping Servers
- Q&A
- Wrap-up/Close



> Essbase / Web Analysis for IBM i 11

SPSS

■ Highlights

- Time intelligence features
 - Allow organizations to analyze date-sensitive information in ways that make sense for their specific business needs
- Faster application deployment and maintenance
 - Minimize the amount of down time needed to load new data into analytical applications
- Improved reporting and integration with Microsoft Office applications
 - Embed live report links into Office documents



See June 30, 2009 recorded Webcast

http://www.spss.com/events/event.cfm?E_ID=3023&Country=US

SPSS - Events - Microsoft Internet Explorer

File Edit View Favorites Tools Help

Back Forward Stop Home Search Favorites RSS Print Mail W Yellow Share Browser WebEx

Address <http://www.spss.com/events/> Go Links >> Share Browser WebEx

> Events

Welcome to the SPSS Events center. Learn more about the ways in which your organization can be more successful using software from SPSS.

Locate and register for SPSS events around the world, such as in-person, online, or prerecorded seminars and demonstrations, or SPSS user events. You can also view information about SPSS' attendance at upcoming industry conferences and tradeshows.



DIRECTIONS

2009 North American Conference
The Predictive Analytics Event

Learn more

Upcoming Events at a Glance

Online Seminars

What's New in PASW Statistics 18?
August 18, 2009, U.S. [>Register Today](#)

High-Precision Direct Marketing: How to Identify and Target High-Value Customers
August 19, 2009, U.S. [>Register Today](#)
[>More Web Seminars](#)

Conferences

Public Health Information Network (PHIN) Conference 2009
Atlanta, GA, U.S.
August 30, 2009 [>Register Today](#)

Find an Event in Your Country

Select a country from the drop down menu below to choose from a variety of local events designed to help you learn more about how your organization can benefit from using SPSS software.

United States (English) Go

See It In SPSS!

[Learn how](#) leading organizations use SPSS predictive analytics to improve business processes.

RSS Feeds from SPSS

[Learn more about RSS](#)

SPSS Events RSS feed
RSS SYNDICATION

Resources

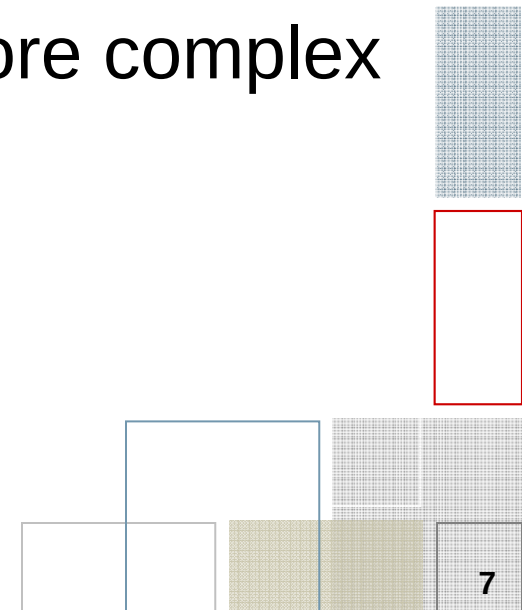
[Access Past Online Seminars](#)
[News Room](#)
[SPSS Press Releases](#)
[Newsletter - SPSS Direct](#)

http://www.spss.com/events/view_more.cfm?Type=Record&Country=US Local intranet

> Upgrade – 50,000 Feet

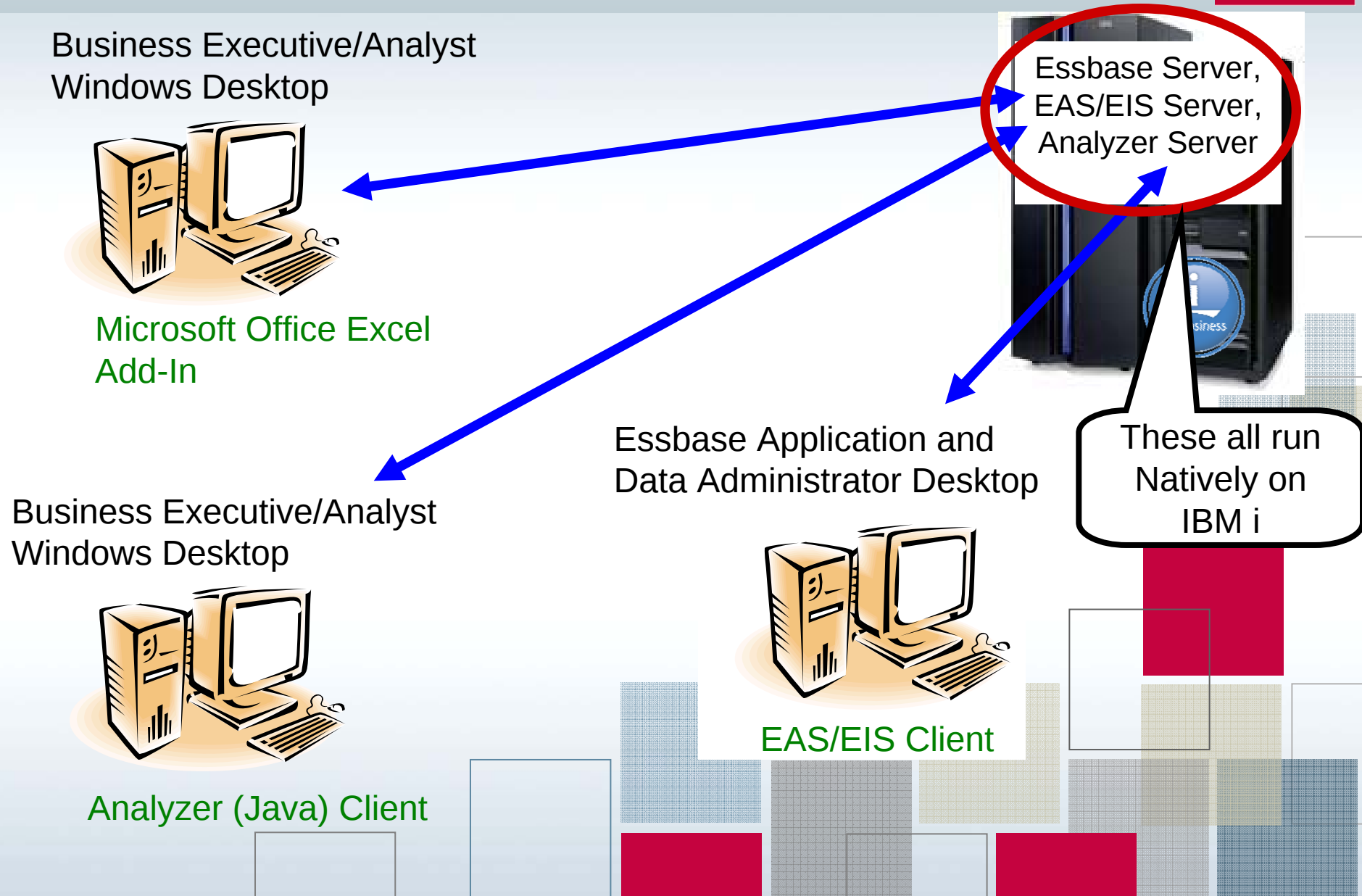


- This is **NOT** an install over the top
- This is a **side-by-side** installation/migration
- The Architecture of the Oracle/Hyperion EPM 11 is very different from and significantly more complex than Ess/Anz 7.X



Essbase and Analyzer 7.X Solution Architecture

SPSS



Essbase and Web Analysis 11 Solution Architecture

SPSS

Business Executive/Analyst
Windows Desktop



Browser,
Microsoft Office

Legacy Excel Add-In

Essbase Server,
EAS/EIS Server,
Shared Services,
Provider Services

Web Analysis Server,
Workspace

Windows Server

**A Windows Server
is required to host
Web Analysis**

These all
run in PASE

Business Executive/Analyst
Windows Desktop



Web Analysis Studio Client,
Microsoft Office w/Smart View

Essbase Application/Data
Administrator Desktop



EAS/EIS Client

> Required Release to Upgrade From

SPSS

- Essbase 7.1
- Analyzer 7.2

> Security Considerations

- Integrated IBM i security is not supported with Web Analysis 11
- The EPM 11 Architecture has a common security component within **Shared Services** which is deployed into WebSphere on the IBM i
- Shared Services supports LDAP as well as **native** security
- Possible Security Scenarios
 - Use IBM i security for Essbase instead of Shared Services and utilize Shared Services for Web Analysis
 - Use Shared Services for both Essbase and WA

> Prerequisites

- Essbase – refer to EssQuickInstall.pdf
 - On support web site
 - <http://support/ProductsExt/Essbase/Documentation/11.1.1/EssQuickInstall.pdf>
- Web Analysis – refer to WAQuickInstall.pdf
 - On support web site
 - <http://support/ProductsExt/Web%20Analysis/Documentation/11.1.1/WAQuickInstall.pdf>
 - Note: A database is required (ie SQLServer) for the Web Analysis repository

> Tip: Modify your “View” to see Web Analysis on Support Web Site

SPSS

SPSS Technical Support Homepage - Microsoft Internet Explorer

File Edit View Favorites Tools Help

Back Forward Stop Home Search Favorites Refresh Print Mail W PDF PDF XPS Share Browser WebEx

Address <http://support/Tech/default.asp> Go Links

SPSS

Search Logout

Home Software and Solutions Customers Training Services Store Support Partners News Events About SPSS

Quick Links

- [Support Site Search](#)
- [Knowledgebase Search](#)
- [My Cases](#)
- [Submit a Case](#)
- [Submit Decision Management](#)
- [6.0 Beta Case](#)

Main Menu

- [Support Home](#)
- My Product View (Modify)**
- [Analyzer](#)
- [Clementine](#)
- [Collaboration and Deployment Services](#)
- [Feedback](#)

> Technical Support

Welcome, Glenn Van Benschoten, to SPSS Online Technical Support!

Too many products to view? Missing products? [Personalize](#) your product view.

> Getting Started

- Click the **Product Name** at the left to find **documentation, FAQs, patches**, and other information about a specific product.
- My Product View [Modify](#)** allows you to expand or contract your product view.
- [Knowledgebase Search](#) allows you to research and resolve your own problems using the same knowledgebase used by SPSS Technical Support Specialists.
- [Support Site Search](#) allows you to search documentation and patch text in addition to the SPSS Technical Support

<http://support/Tech/productSet.asp> Local intranet

> Prerequisites – Essbase on V5R4

- Latest cumulative PTF package and group PTFs located at http://www-912.ibm.com/s_dir/slkbase.nsf/recommendedfixes
- ***Installed Licensed Program Products (LPPs) for V5R4***
 - 5722JV1 Base: IBM Developer Kit for Java
 - 5722JV1 Option 7: Java Developer Kit 5.0
 - 5722JV1 Option 8: J2SE 5.0 32-bit
 - 5722JC1 Base: IBM Toolbox for Java
 - 5722SS1 Option 30: Qshell
 - 5722SS1 Option 33: Portable App Solutions Environment (PASE)
 - 5733W61 Base: WebSphere Application Server V6.1 for i5/OS (or option 1 below)
 - 5733W61 Option 1: WebSphere Application Server V6.1 Express (or the base option above)

> Prerequisites – Essbase on i 6.1



- Latest cumulative PTF package and group PTFs located at http://www-912.ibm.com/s_dir/slkbase.nsf/recommendedfixes
- ***Installed Licensed Program Products (LPPs) for i 6.1***
 - 5761JV1 Base: IBM Developer Kit for Java
 - 5761JV1 Option 7: Java Developer Kit 5.0
 - 5761JV1 Option 8: J2SE 5.0 32-bit
 - 5761JC1 Base: IBM Toolbox for Java
 - 5761SS1 Option 30: Qshell
 - 5761SS1 Option 33: Portable App Solutions Environment (PASE)
 - 5733W61 Base: WebSphere Application Server V6.1 for i5/OS (or option 1 below)
 - 5733W61 Option 1: WebSphere Application Server V6.1 Express (or the base option above)

> WebSphere Express Tip

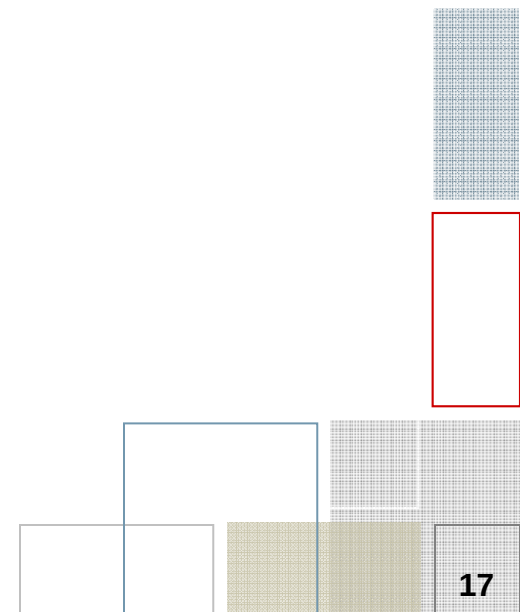
This is what the WebSphere Express DVD Looks Like



> Prerequisites – Essbase cont'd

■ *Hardware*

- 3 GB RAM minimum
- DVD-ROM drive required for installation if you use physical media to install your release
- Minimum 8 GB disk space for installation, 2 GB after installation
- Additional disk space to accommodate the size of your Essbase databases



> Prerequisites – Essbase cont'd

- Refer to **Essbase 11.1.1 for IBM i Installation Guide** on support web site for more details
- **Tip**
 - You can install Essbase 11 on the same server that is hosting Essbase 7.1

but

Beware of port conflicts – esp port 1423

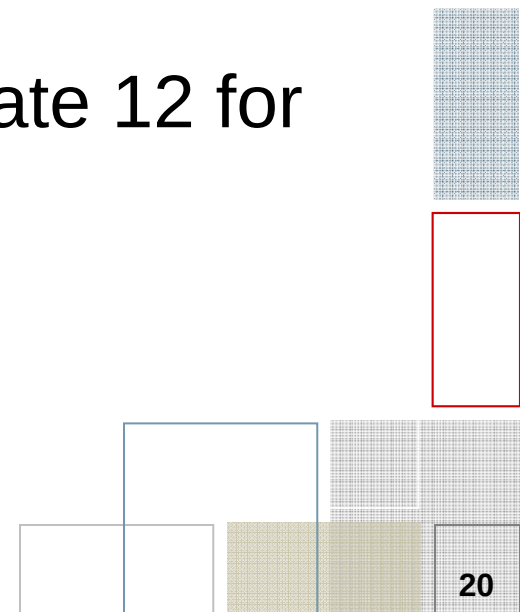
> Prerequisites – Web Analysis

- Refer to Oracle/Hyperion Documentation
 - http://download.oracle.com/docs/cd/E12825_01/index.htm
 - Start with the Deployment tab for planning/installation type documentation
- Download/read **Upgrading to Web Analysis 11.1.1 for IBM i** from support web site
 - Note: this is Appendix C of the Essbase upgrade guide
- ***Strong Recommendation:***
 - While Oracle/Hyperion supports a number of platforms, middleware, databases, etc....we recommend what is in the **WAQuickInstall.pdf** because:
 - This is what we tested and have experience with

> Pre-Requisites - Client Requirements

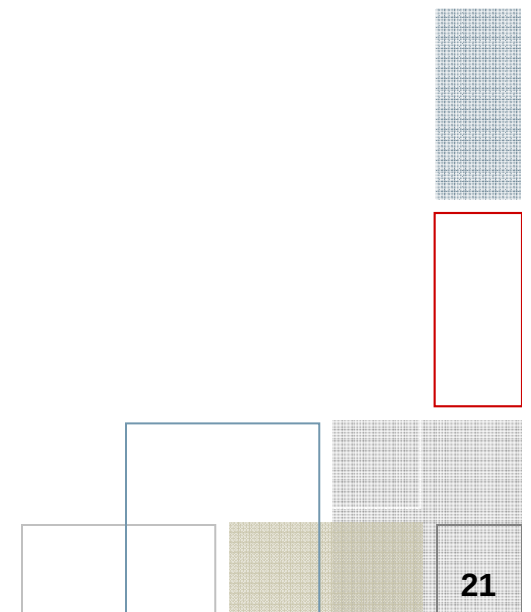


- Windows Vista (Business or Enterprise edition), Windows XP Professional, or Windows Server 2003
- 1 GB RAM
- MS Internet Explorer 6.0-7.0.x or Mozilla Firefox 2.0.x **Note: no IE8 support!**
- Java Runtime Environment 1.5.0 Update 12 for report designers



>Distribution Media

- Essbase and Web Analysis 11 DVD's (2)
 - Shipped with the updated ShowCase Suite 8.0 kit
 - DVD's are dated August 3, 2009 and there is a Disk 1 of 2 and 2 of 2. Put the proper DVD in the machine as instructed in the documentation



> Pre-install Comments

- The Oracle/Hyperion installer is a multi-platform installer
 - You do not run install directly from the media!
 - You first copy files from the media (DVD) to the server
 - IBM i for Essbase
 - Windows for Web Analysis (files are zipped)
 - For Essbase on iSeries, the installer runs in PASE
 - QShell green screen, command line interface (no menus)
 - For Web Analysis on Windows, the installer is invoked from a command line or by double clicking the ***InstallTool.cmd*** file which in turn launches a GUI Wizard interface
- For both IBM i and Windows host servers you must create the DB Schemas prior to install

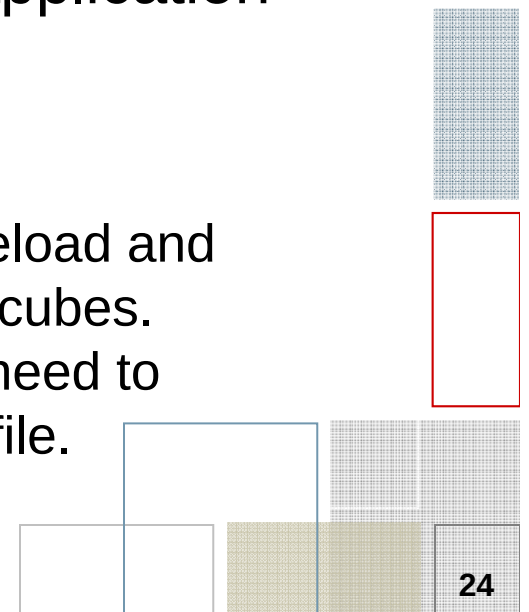
> Outline of Essbase Upgrade Process

- Create the DB Schema
- Start QShell and Install/Configure Essbase 11
 - Install - places files in the proper location in the IFS
 - Configure - sets things like ports, language, app server, etc
 - Read/follow the documentation - **carefully**
 - Total time can be upwards of 2 hours
- Validate that the new Essbase 11 server is running/accessible
 - WRKACTJOB SBS(QWAS61) – you should see
 - APS (Analytic Provider Services)
 - EAS (Essbase Administration Services)
 - HYSLPROFIL
 - SHAREDSESV (Shared Services)
 - WRKACTJOB – sort on Function column
 - PGM-olapisvr (Essbase Integration Services)
 - PGM-ESSBASE (Analytic server)
 - <http://<server>:10080/easconsole/console.html>
 - load java applet & login)

> Migrate Essbase data and applications to the new Essbase 11 server using EAS



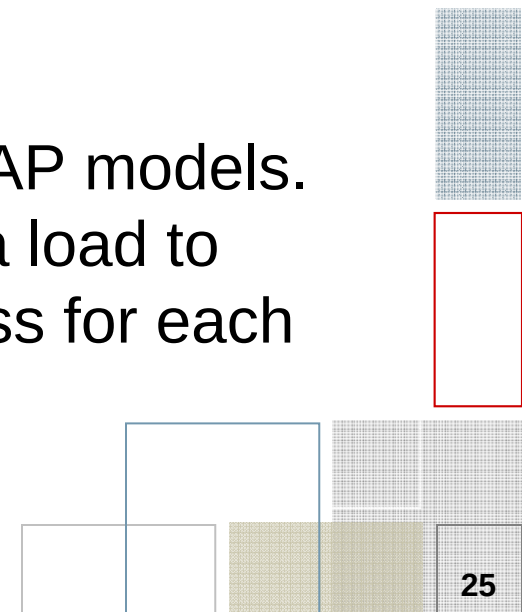
- Start the Essbase Administration Console
- Add both the 7.1 Essbase Server and the Essbase 11.1.1 Server
- Start the Essbase Migration Wizard
- Enter the name of the Essbase 7.1 application to migrate as the source and the name of the application to be created on the Essbase 11.1.1 server
- Special Notes:
 - The .pag and .ind files to not migrate. You must reload and recalculate the databases after migration for BSO cubes.
 - The Essbase.cfg file does not migrate so you will need to manually add desired settings to the Essbase.cfg file.



> Migrate Essbase data and applications to the new Essbase 11 server using EIS



- Prior to Install/Config
 - Connect to the EIS 7.1 server.
 - For each database, export the metaoutline and OLAP model to .xml files
- Post Install/Config
 - Start both the EPM 11 Integration and Analytic Services servers.
 - Launch the EIS console
 - Import the exported metaoutlines and OLAP models.
 - Open the outline, select member and data load to create the application. Repeat this process for each outline.



> Analyzer 7.2 Migration

Reminder: You Must be on Analyzer 7.2 to Migrate

Migration is a 2 step process:

- First step is to **convert** the Analyzer 7.2 content from IBM i format to a Windows compatible format using a utility written by SPSS
- Second step is to run the Oracle/Hyperion EPM 11 Migration Utility to bring those **converted** Analyzer 7.2 objects from the IBM i Analyzer 7.2 server into the Web Analysis 11 Windows server

> Analyzer 7.2 Migration (Step 1)

- Save the current Analyzer 7.2 environment.
 - Install a separate/new Analyzer 7.2 environment (hereafter called Analyzer 7.2')
 - Request a temporary license for this new server
 - Apply patches to bring up to current level
- Note: **conversion** is a one-way process, hence the need for a separate Analyzer 7.2' environment
- Restore the saved Analyzer 7.2 from your production environment into the new Analyzer 7.2' library
 - Replicate the Analyzer credential table

> Analyzer 7.2 Migration (Step 1) cont'd



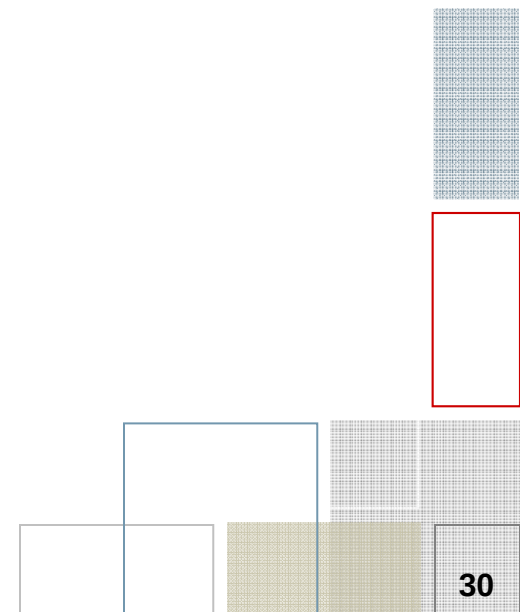
- Download the SPSS Analyzer 7.2 **conversion** utility (MIGR11) save file from the SPSS Support Site to your IBM i server
- Restore the utility to the new Analyzer 7.2' library.
- Run CHGCMD to **register** MIGR11 as a command
- Restore components from ANZMGRUQSY and ANZMGRUJAR into the new Analyzer library.
- Run the MIGR11 command to **convert** the Analyzer 7.2' repository from IBM i format to Windows format (performed **in-place**)

> Analyzer 7.2 Migration (Step 2)

- Download the jt400.jar file from the SPSS Support web site to your IBM i server
 - Needed for IBM i DB2 access from Web Analysis
- Start the Migration Utility on the Windows server
 - Follow documented steps in Appendix C
 - Allow several hours for the migration of your Analyzer 7.2' reports
- Special Note: ShowCase Data Models are not supported with Web Analysis 11

> Starting/Stopping Servers

- Documentation
 - Essbase 11.1.1 for IBM i Administrator's Guide
 - Oracle/Hyperion Documentation for Web Analysis Server



> Starting/Stopping All Servers - Essbase

- STRQSH
- `CD /<esslib>/hyperion/Products/bin`
- `./start.sh`

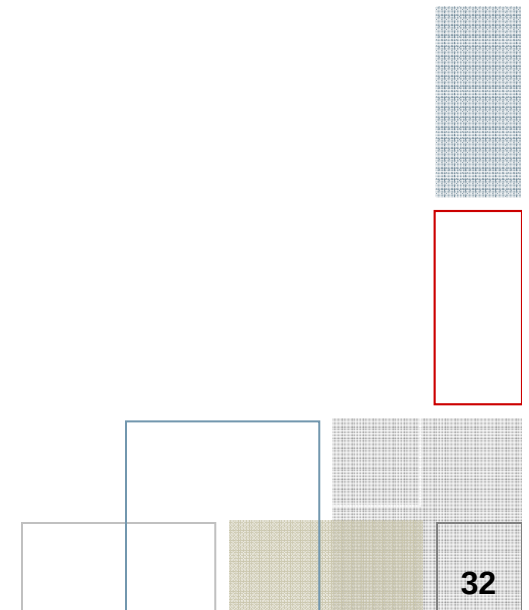
...and to end all Essbase servers...

- `./stop.sh`

> Starting/Stopping Individual Servers - Essbase

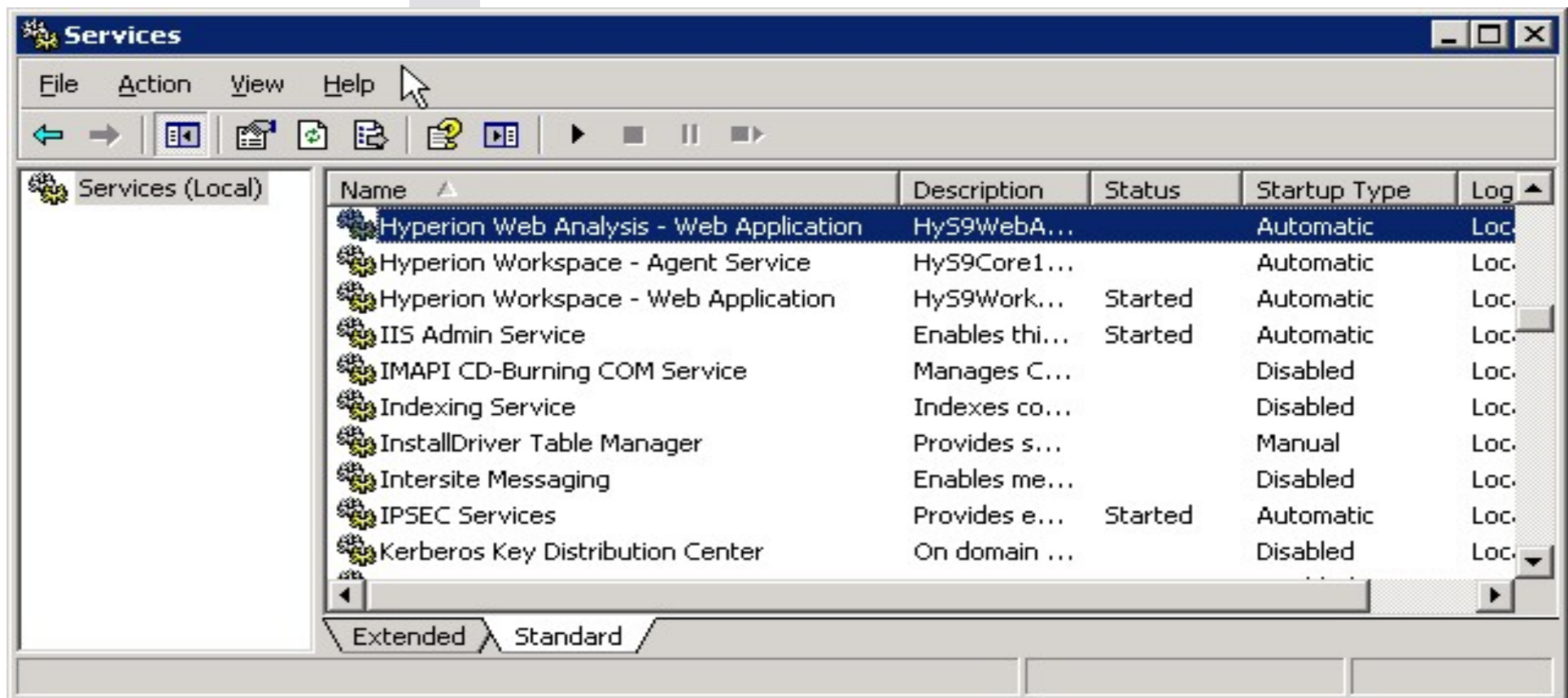


- Refer to the documentation for details on specific servers
- Start order is important
 1. Shared Services
 2. OLAP Server
 3. EIS Server
 4. EAS Server
 5. Provider Services



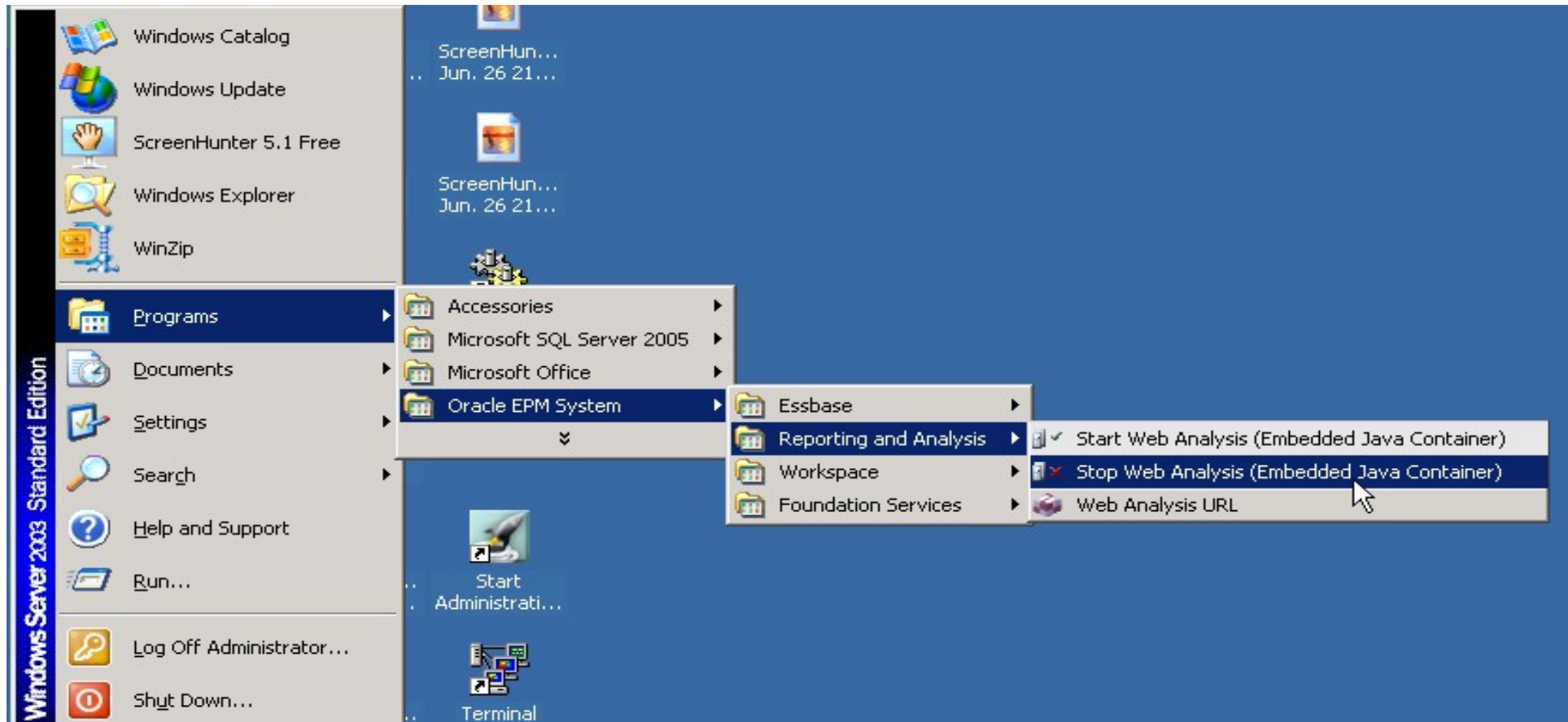
> Starting/Stopping Web Analysis Servers

- At install, servers are set to start automatically
- Use Control Panel – Administrative Tools – Services 



> Starting/Stopping Web Analysis Servers cont'd

- Alternatively, servers can be started/stopped from the ***Start – Programs – Oracle EPM System – Reporting and Analysis*** menu



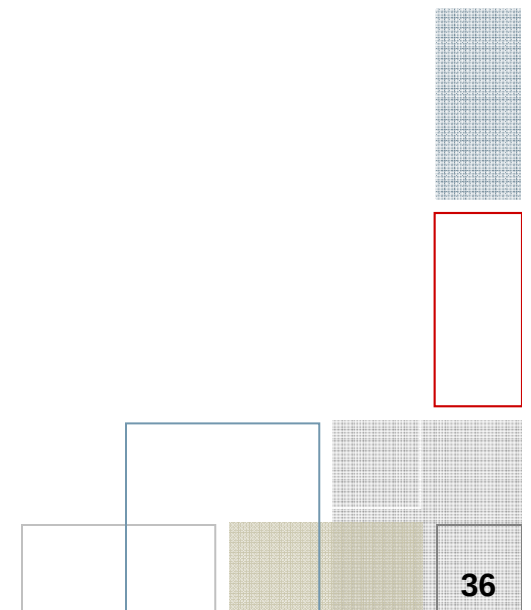
>Recap

- Download and print the upgrade and install documentation
- Satisfy/Verify Pre-Requisites
- Install Essbase
 - Validate servers are functional
 - Migrate data and applications
- Install Web Analysis
 - Validate servers are functional
 - Migrate Analyzer 7.2 reports (2 step process)
- Test/run side-by-side
- When satisfied all is working, switch to the EPM 11 environment, turn off 7.X environment and uninstall/delete 7.X when appropriate

Recommendation: Consider engaging SPSS professional services to assist you – there are many moving parts and a lot of complexity with the new architecture. They have the experience!

> Questions

SPSS



>Close

- Pre-reqs are a must
- Plan your upgrade thoroughly
- Follow the steps carefully
- Consider engaging SPSS to do the heavy lifting for you

>Contact Information

The SPSS logo, consisting of the letters "SPSS" in white on a red square background.The SPSS logo, consisting of the letters "SPSS" in white on a red square background.

Glenn Van Benschoten
Senior Product Manager

+1-507-287-1729
gvanbenschoten@spss.com

>Contact Information

SPSS

SPSS

Glenn Van Benschoten
Senior Product Manager

+1-507-287-1729
gvanbenschoten@spss.com