

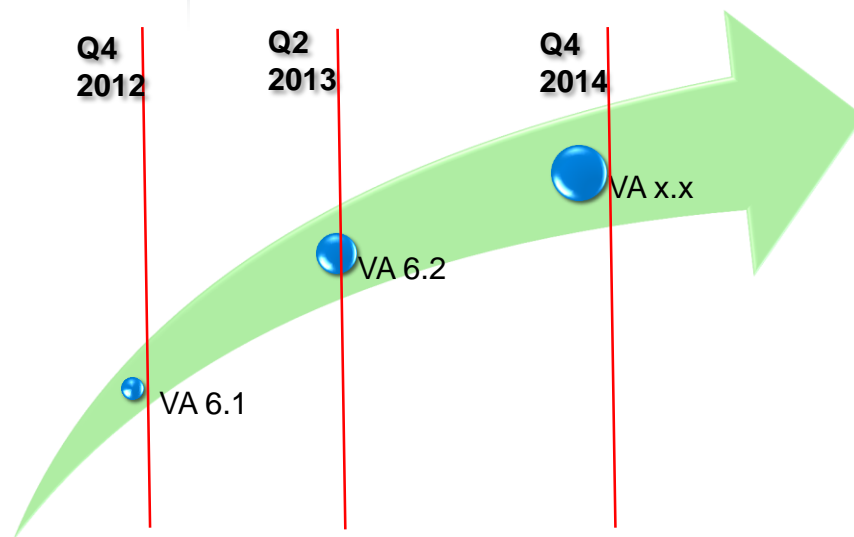
SAS® VISUAL ANALYTICS ROADMAP OVERVIEW



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SAS VISUAL ANALYTICS

HIGH PERFORMANCE JOURNEY FOR VISUAL ANALYTICS



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SAS VISUAL ANALYTICS

WHAT IS EXPECTED ACROSS ALL SEGMENTS

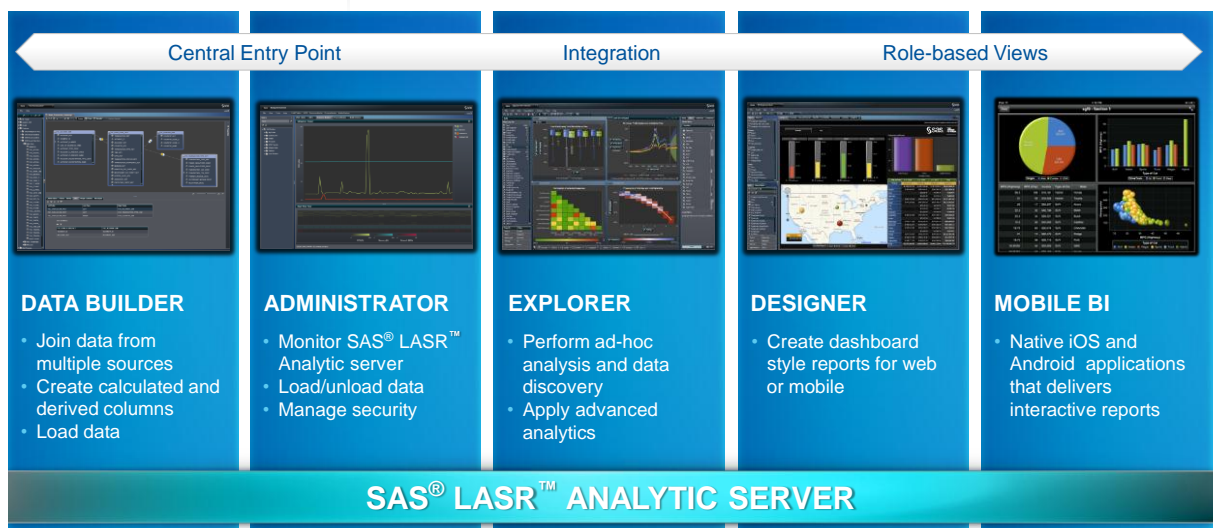
Disclaimer: The content presented here is an overview of key capability highlights planned for next releases of VA and does not cover all the new capabilities that might come.

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DELIVERS A SINGLE SOLUTION FOR FASTER, SMARTER DECISIONS



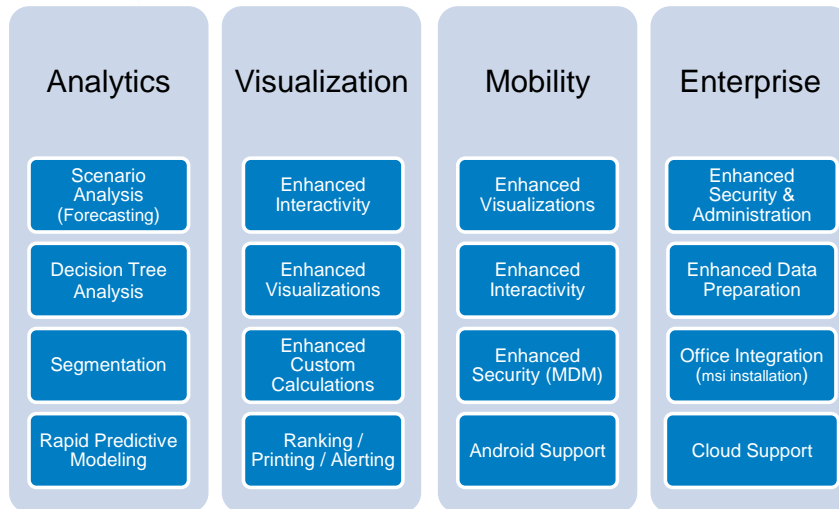
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WHAT IS EXPECTED ACROSS ALL SEGMENTS

Subject To Change



..and many more

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KEY CAPABILITY ENHANCEMENTS IN VA 6.2

Subject To Change

HOME PAGE (HUB)

- Integration with SAS Solutions: Ability to launch applications of a solutions integrated with VA directly from the HUB
- Ability to open LASR Tables for Reporting, Exploration and Data preparation

VISUAL ANALYTICS EXPLORER

- Enhanced forecasting with Scenario Analysis
- Drill down on hierarchy with hyperlink display
- Geomaps with Choropleth/Polygon support (*please see notes*)
- Charts with ability to lock colour ramps (Chart comparison on same scale)
- Ranking: Top and Bottom raking of a Dimensions based on measure values
- Post Aggregated Calculated Columns: % of total / subtotal; Arithmetic Operators
- Support for User Defined Formats
- Enhanced "Manage Visualization" capability (easy to view and select visualization for Reporting and Printing)
- Visualizations (Charts) with indicator line for displaying values at various point on the chart
- New Data indicator: Indicates existing data source has been updated

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KEY CAPABILITY ENHANCEMENTS IN VA 6.2

Subject
To
Change

VISUAL ANALYTICS DESIGNER

- Refined layout of Data Sources and Report Object types as two separate tabs
- Progressive Filters
- Section Linking: Create links from report objects to sections within a report (same data source)
- Report Linking: Create links from report objects to another report (same data source)
- Report Lining: Create links to external URL and STPs (URL based) with parameters
- Report Printing
- Enhanced Sort Option: Sorting values as Formatted or Unformatted
- Post Aggregated Calculated Columns: % of total / subtotal
- Post Aggregated Calculated Columns: arithmetic operators
- Support for more KPI visuals (configurable)

VISUAL ANALYTICS VIEWER

- Ability to Print reports
- Ability to see the filter applied on report objects

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KEY CAPABILITY ENHANCEMENTS IN VA 6.2

Subject
To
Change

VISUAL DATA BUILDER

- Support for Input Tables from SAS LASR Analytics Server
- Support for Heterogeneous Joins
- Import SAS Datasets
- Preview of data before importing
- Support for Information Maps (as source for new query)
- Excel Import: Append data from worksheets

SAS MOBILE BI

- MDM Support: Support for Mobile Device Management (MDM) integrating with 3rd party technologies
- Android Support: New release of Mobile BI App for Android devices supporting VA 6.1
- Collaboration support with Annotation, Email report link
- Ability to Refresh reports from the device
- Support for application passcode
- Server side logging for user actions – reports downloaded

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KEY CAPABILITY ENHANCEMENTS IN VA 6.2

Subject To Change

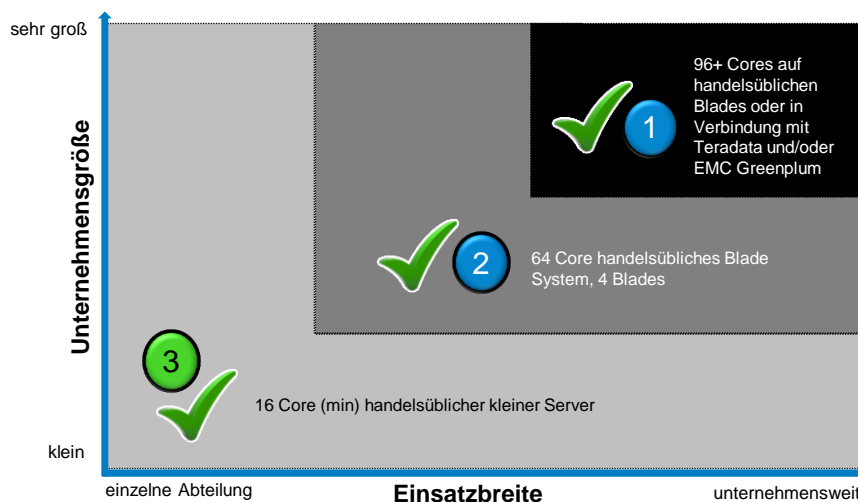
Administrator

- Row Level Security: Enhanced UI for defining row level security
- Indication of available memory (overall system)

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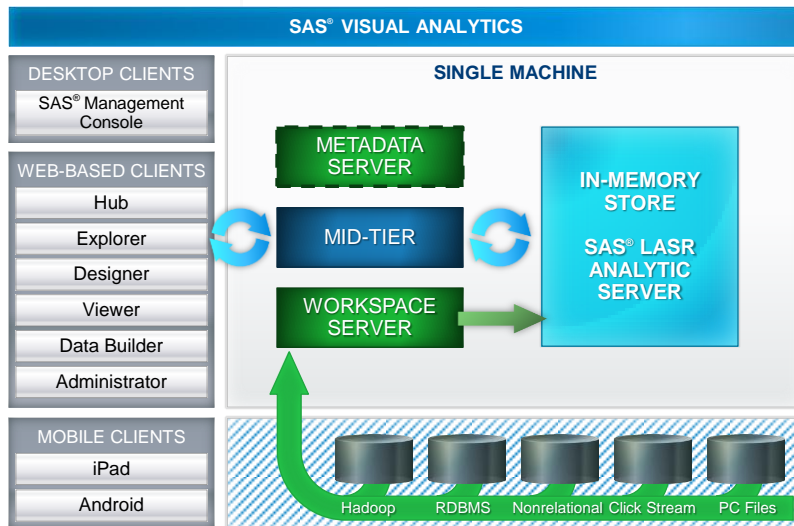
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FLEXIBILITÄT BEIM DEPLOYMENT – JE NACH BEDARF



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HIGH LEVEL ARCHITECTURE NON-DISTRIBUTED DEPLOYMENT ON COMMODITY HARDWARE



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SAS® VISUAL ANALYTICS NON DISTRIBUTED DEPLOYMENT

Subject To Change

OPERATING SYSTEM

- Windows Server 2008 R2 (neu ab Version 6.2!)
- Red Hat Enterprise Linux 5 or 6
- SUSE Linux Enterprise Server 10 or 11 SP1

SIZING GUIDELINES NON DISTRIBUTED DEPLOYMENT

- Maximum single largest table size to be loaded is 16 GB
- Total of 110 GB for loading data
- Ability to Scale up

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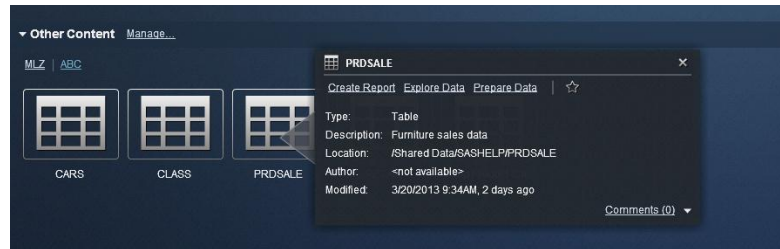
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CAPABILITY OVERVIEW – HOME PAGE

Subject To Change

Access to Metadata Tables from Home

- Can create link to accessible folders under **Other Content**
- View list of accessible tables as Thumbnails
- Click on the table to see the Object Inspector giving options for opening the table in **Designer**, **Explorer** or **Prepare Data** interface



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CAPABILITY OVERVIEW – SCENARIO ANALYSIS

Subject To Change

Analytical Enhancement

- Forecasting with What-If Analysis



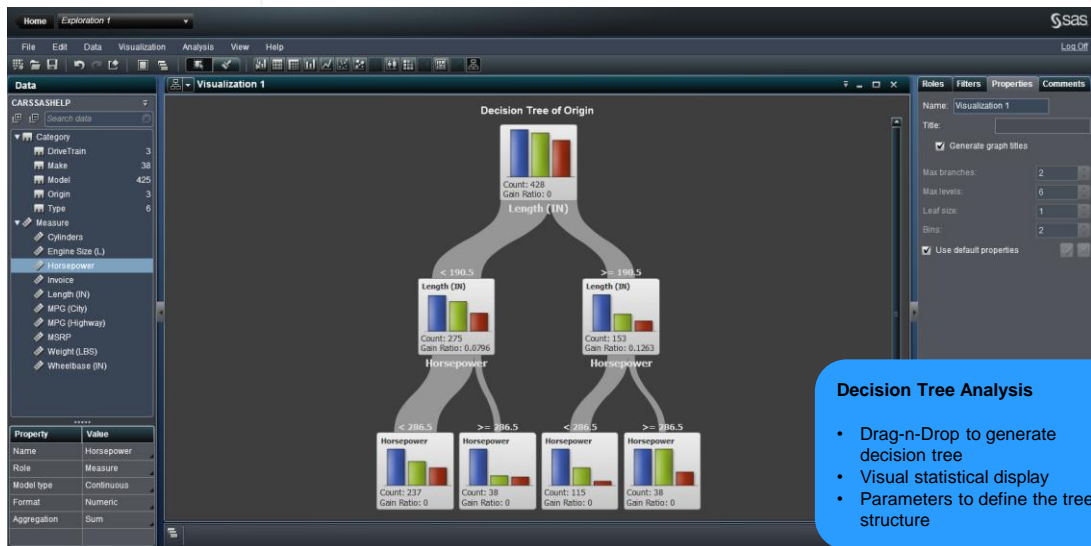
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CAPABILITY OVERVIEW – DECISION TREE

Subject To Change



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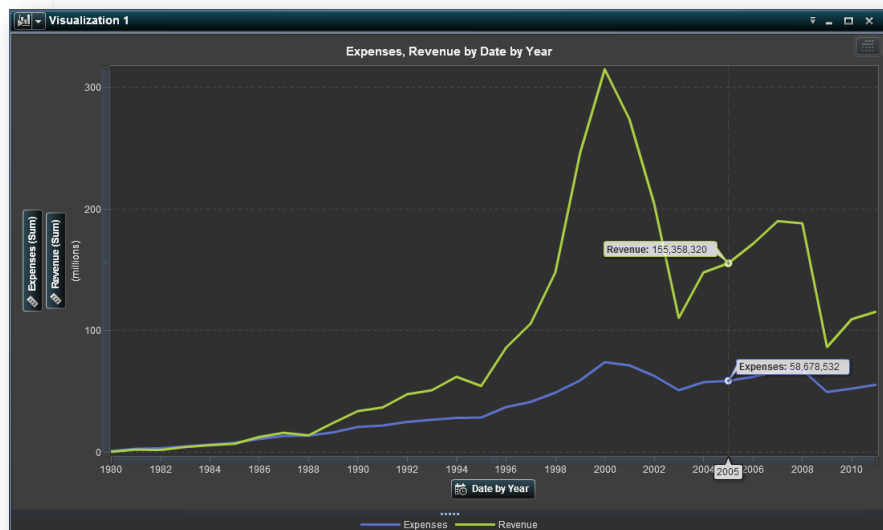
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CAPABILITY OVERVIEW – ENHANCED VISUAL

Subject To Change

Enhanced Visual

- Chart provides a vertical line (dotted) indicating position of the cursor
- For various intersection points, clearly displays the data values (as shown for Revenue and Expenses on line and Year on the X-Axis)



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CAPABILITY OVERVIEW – % TOTALS/SUBTOTALS

Subject To Change

% Totals / Subtotals

- Menu options to define % Totals and % Subtotals
- Applicable for Columns and Rows
- Automatically calculates contribution of Subtotal towards Grand Total

Crosstab 1

Drop controls here to create a section prompt

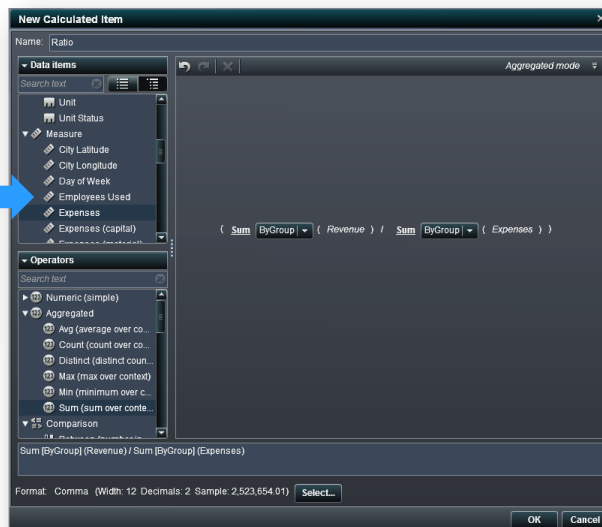
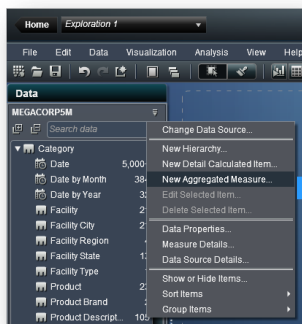
Date by Year			2000			2001		
Product Brand	Product Line	Product	Revenue	Revenue (Percent of Column Total)	Revenue (Percent of Column Subtotal)	Revenue	Revenue (Percent of Column Total)	Revenue (Percent of Column Subtotal)
Total			315,084,021	100%	100%	273,883,770	100%	100%
Subtotal: Novelty			93,084,133	30%	100%	77,056,016	28%	100%
Novelty	Subtotal: Promotional		93,084,133	30%	100%	77,056,016	28%	100%
	Promotional	Backpack	31,637,587	10%	34%	27,500,358	10%	36%
		Coffee Cup	11,864,420	4%	13%	10,473,602	4%	14%
		iPhone Cover	18,500,812	6%	20%	13,429,911	5%	17%
		Pen	12,112,052	4%	13%	9,468,204	3%	12%
		Plaque	18,969,262	6%	20%	16,183,941	6%	21%
Subtotal: Toy			221,999,887	70%	100%	196,827,754	72%	100%
Toy	Subtotal: Action Figure		20,427,965	6%	9%	17,549,278	6%	9%
	Action Figure	Athlete	2,897,937	1%	14%	2,580,217	1%	15%
		Firefighter	2,841,363	1%	14%	2,623,873	1%	15%
		Movie Star	2,904,892	1%	14%	2,521,741	1%	14%
		Musician	2,925,944	1%	14%	2,457,339	1%	14%
		Police	2,903,737	1%	14%	2,562,018	1%	15%
		Soldier	3,027,960	1%	15%	2,343,128	1%	13%
		Super Hero	2,926,131	1%	14%	2,460,962	1%	14%
	Subtotal: Game		166,917,965	53%	75%	148,953,050	54%	76%
	Game	Board	79,696,413	25%	48%	71,685,545	26%	48%
		Card	38,753,292	12%	23%	35,416,185	13%	24%
		Puzzle	48,468,260	15%	29%	41,851,319	15%	28%
Subtotal: Stuffed Animal			34,653,958	11%	16%	30,325,426	11%	15%

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CAPABILITY OVERVIEW – ADVANCED CALCULATIONS

Subject To Change



Advanced Calculations

- Special operators for using aggregated values in calculations
- Includes Sum / Avg / Min / Max / Count / Distinct Count

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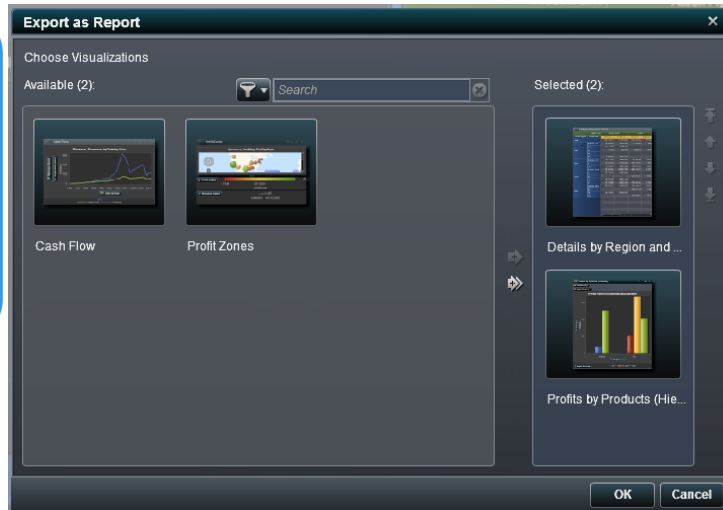
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CAPABILITY OVERVIEW – MANAGE VISUALIZATION

Subject To Change

Manage Visualization

- New UI available to manage visualization for
 - Display within Explorer
 - For selecting visual for Exporting as Report
 - For selecting visuals for Exploring as PDF



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CAPABILITY OVERVIEW – REPORT/SECTION LINKING

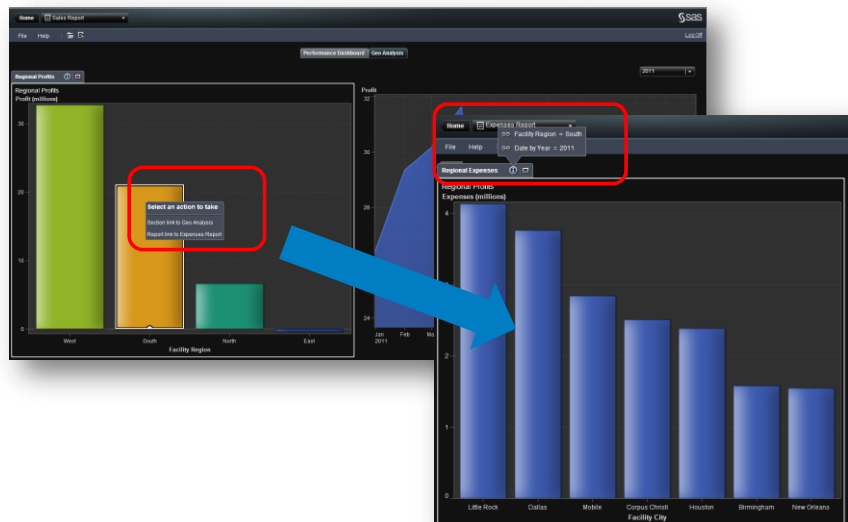
Subject To Change

Section Linking

- Ability to define interactive links between report objects from one section to another section (all objects)

Report Linking

- Ability to define interactive links between report objects from one report section to another report (all sections)



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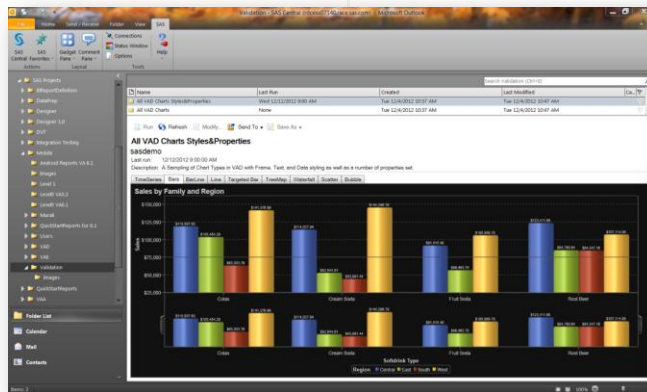
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CAPABILITY OVERVIEW – OFFICE INTEGRATION

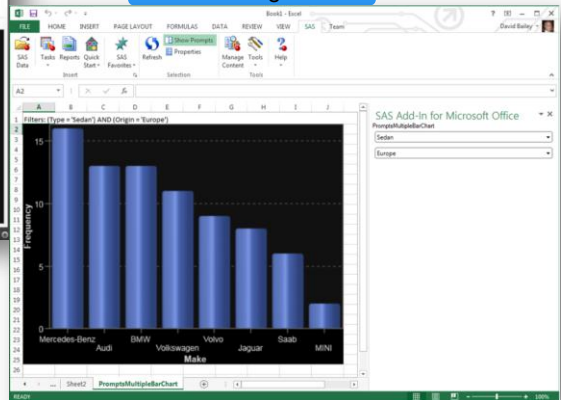
Subject To Change



Excel Integration



Outlook Integration



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