

Project Pioneer – SAP's Next Generation Analysis Client

Version 4.6, August 2009



Solution Management

SAP Intelligence Platform & NetWeaver

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Agenda



1. Pioneer Overview

2. Timeline & Availability

3. Pioneer Screenshots / Demos

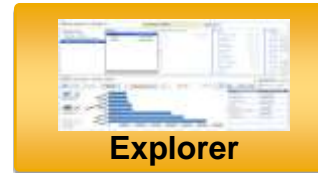


Product Directions for BI Solutions

Richest Offering for All Business Users



Discovery & Exploration



Enterprise Reporting



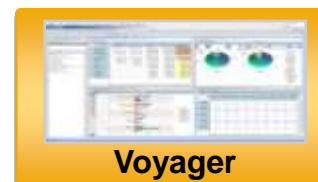
Ad-hoc, Query & Analysis



Dashboards, Visualization



Advanced Analysis



Enterprise Data Warehousing & BI Platform

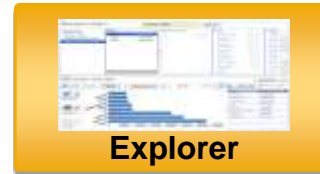


Product Directions for BI Solutions

Richest Offering for All Business Users



Discovery & Exploration



Explorer

Enterprise Reporting



Report Designer



Crystal Reports

Ad-hoc, Query & Analysis



Web Intelligence

Dashboards, Visualization

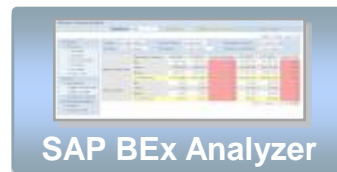


Web App Designer

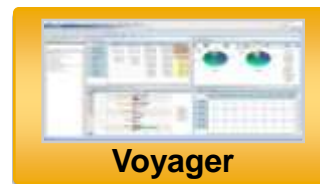


Xcelsius

Advanced Analysis



SAP BEx Analyzer



Voyager

Enterprise Data Warehousing & BI Platform



SAP NetWeaver BW and BWA



BusinessObjects Enterprise

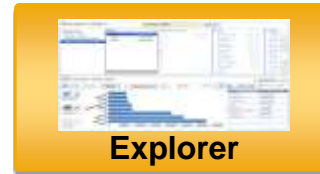
* Parts of BEx WAD will be replaced by Pioneer. See Details in Pioneer presentation

Product Directions for BI Solutions

Richest Offering for All Business Users



Discovery & Exploration



Enterprise Reporting



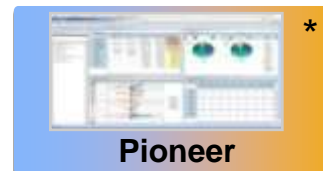
Ad-hoc, Query & Analysis



Dashboards, Visualization



Advanced Analysis



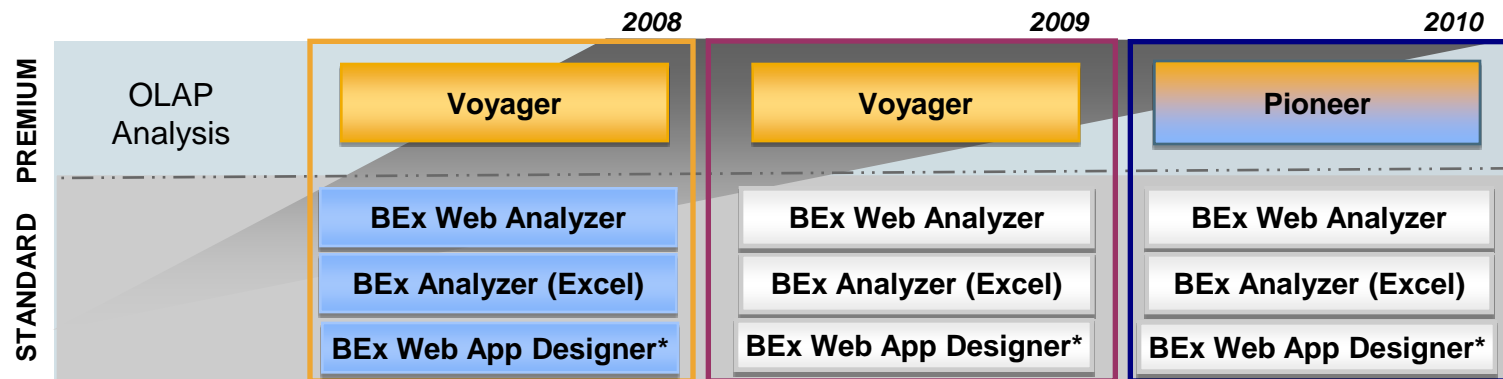
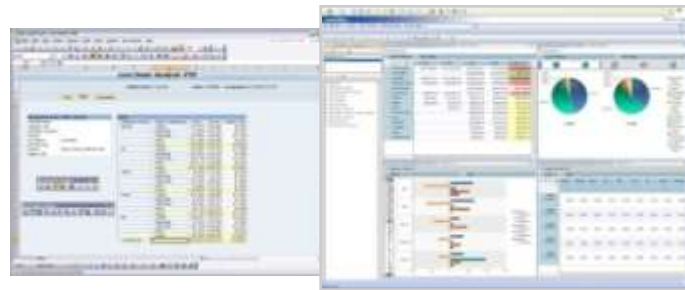
* Planned release for 2010

Enterprise Data Warehousing & BI Platform



Advanced OLAP Analysis

Product Integration Roadmap



- Pioneer (code name for 2010 release) provides a superset of capabilities from SAP BEx Analyzer (Excel), SAP BEx Analyzer (Web), and SAP BusinessObjects Voyager
- Migration from Voyager workspaces to Pioneer Web and from BEx Analyzer workbooks to Pioneer Office
- *Embedding of web apps built with BEx WAD into Pioneer Web by 2010 with a later migration to the Pioneer Design SDK



Focus for Pioneer tool usage

Key User

Task:

- Creation of OLAP based content → Pioneer workspaces , workbooks & PPTs
- Needs content design capabilities

Typical user:

- Power User in IT, Business or Customer BI Center of Excellence



Business Analyst

Task:

- AdHoc OLAP Analysis to get insight into data
- Needs expert analytical capabilities

Typical user:

- Controller



Interoperability

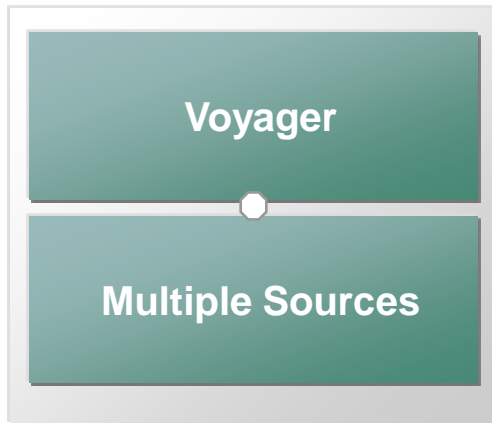
Business User / Information Consumer

- Leverages Pioneer via interoperability with Web Intelligence, Crystal etc.
- runs pre-defined analytical workbooks or workspaces

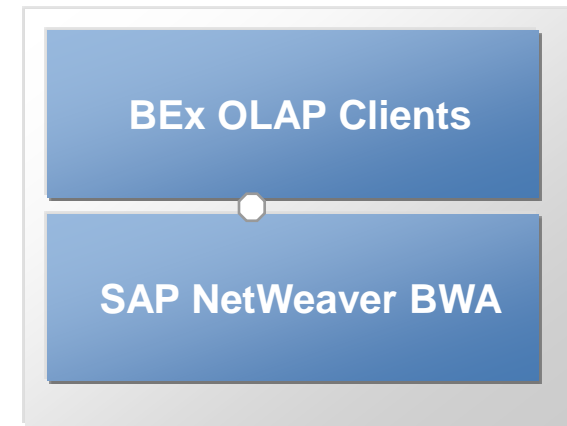
Pioneer Value Proposition: 1+1=3



SAP Business Objects



SAP NetWeaver BW



Advanced OLAP

Leading Web Visualization

Native Excel Integration

- Combine Business Objects expertise for innovative UIs with SAP know-how for advanced OLAP clients
 - Optimized OLAP analysis for SAP NW BW, POA & 3Rd Party OLAP
- Take the best of both worlds & add substantial new innovations on top
 - Predictive Services, Tight MS Office integration, Guided OLAP Analysis....
- Win-Win situation for BEx OLAP & Voyager Customers
 - safe existing investment + accelerated new innovations
- Ability to fully leverage SAP BWA's in-memory analytic engine capabilities

Agenda



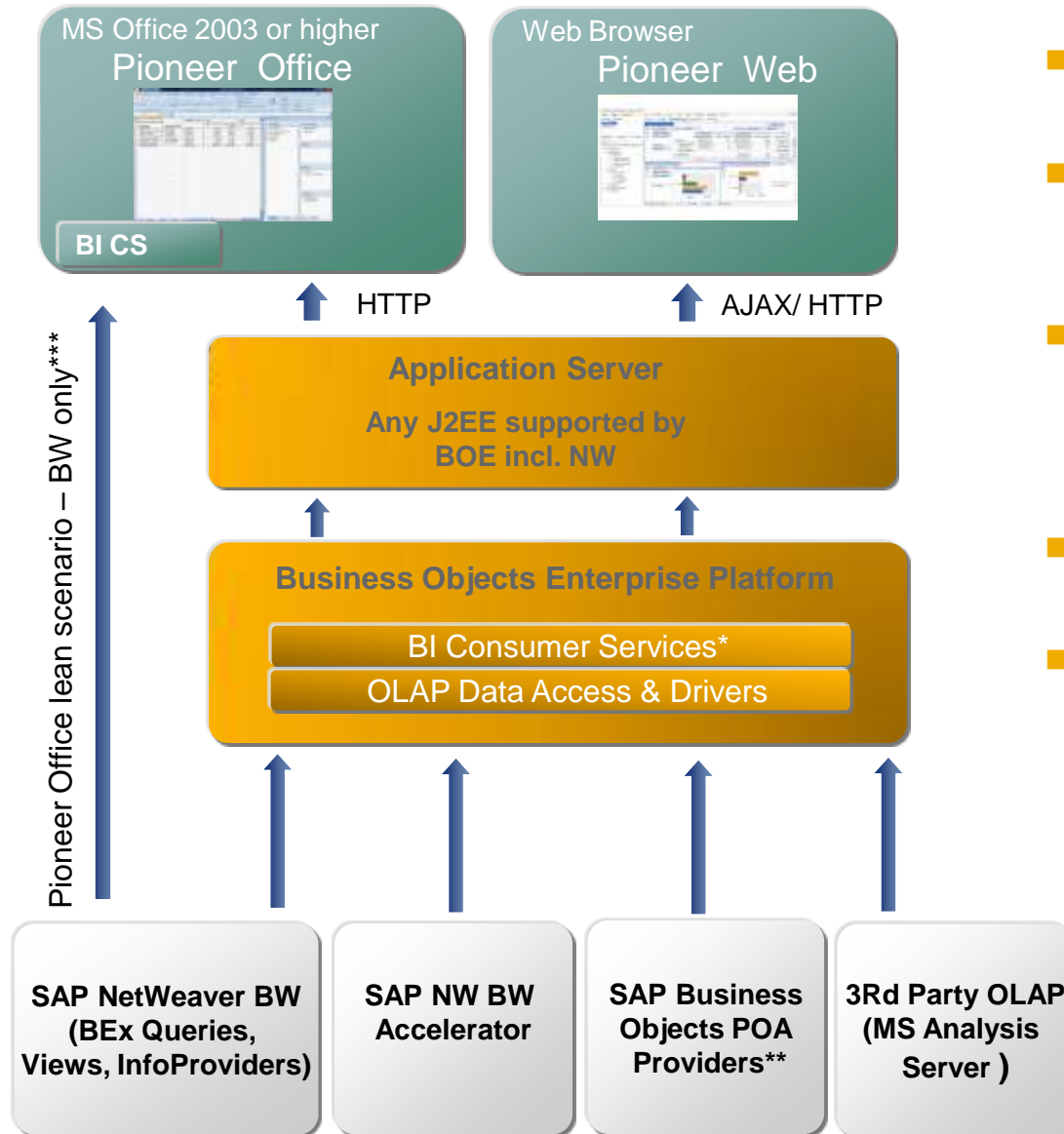
1. Pioneer Overview

2. Timeline & Availability

3. Pioneer Screenshots / Demos



High Level Architecture Pioneer 1.0



- Full Pioneer Suite runs on BOE, can run side-by-side with NW
- Pioneer leverages BOE platform services (LCM, persistency, authentication etc.)
- The Pioneer Web Server component can be optionally installed on NW J2EE 7.1 or on any J2EE supported by BOE
- Pioneer query views, workbooks & workspaces stored in BOE repository
- Pioneer Office Lean allows direct connectivity to BW & storage of BW based views in BW***

*will finally merge with a unified semantic layer approach

**SAP Business Objects Strategy Management, Profitability and Cost Management, Planning and Consolidation

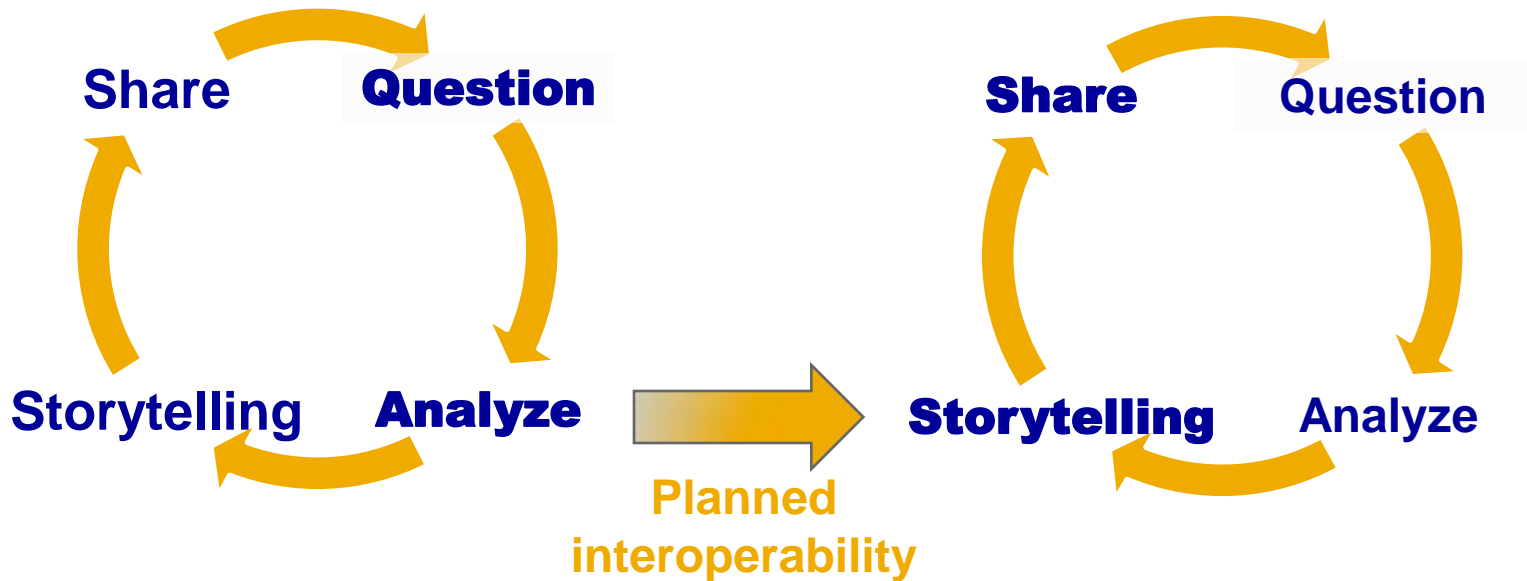
***functional restrictions apply, not recommended for larger deployments

An Example: Combining the strengths of the two value propositions



Pioneer for Business Analysts

Web Intelligence for Business Users who build interactive reports



Combining the strengths of each tool ensures a bridge between native OLAP analysis workflows & flexible reporting

- NW BW data models will not be affected by Pioneer
- Pioneer operates above the query level
- Pre-Requisite for using BW as data source for Pioneer is a technical upgrade to BW 7.0. During Ramp-Up the pre-requisite will be BW 7.01
- In an upgraded system both 3.5 & 7.0 queries / query views can be used as sources
- Queries do not need to be migrated
- The BEx Query Designer stays as it is and can still be leveraged as before.
- Additionally any BW 7.01 info provider (multi providers, virtual providers, DSO) can be used as data source for Pioneer

- Consideration of Workbook Migration*
 - Only available as of Pioneer Office Version 2
 - BEx 3.5 & 7.0 Workbooks without VBA programming:
 - in general no problems should occur
 - BEx 3.5 & 7.0 Workbooks with VBA programming
 - Standalone VBA code including result-set cell references: no problems should occur
 - VBA code accessing BEx Analyzer APIs
 - BEx 7.0 workbooks: callback macros can be converted; other API calls are not supported
 - BEx 3.5 workbooks: no automation
 - For complex workbooks a new implementation is recommended
- With the new tool the building of new reports will be more easy
 - i.e. hidden sheets will hopefully not be needed
- Pre-requisite Pioneer Office: MS Office 2003 or higher
- Query Views based on BW InfoProviders & saved with Pioneer Office can be used by BEx tools

Migration Voyager to Pioneer, MSAS Support



- SAP is planning a migration of Voyager workspaces to Pioneer workspaces via the SAP Business Objects Upgrade Manager
- It is expected that 80% of existing workspaces can be migrated automatically and 20% of workspaces may need manual adjustments after the migration.
- It is likely that the Voyager → Pioneer migration option won't be part of the initial Pioneer Version 1 release but will be delivered 6 – 12 months after the initial general availability of Pioneer

- Supported and unsupported MSAS features
 - Apart from the following, features, Pioneer in general will support MSAS. It is planned for Pioneer version 2 to add further MSAS capabilities
 - Unsupported in Pioneer V1:
 - Server based named sets
 - Dimension attributes (within hierarchies)
 - Actions

*Please note: these are preliminary statements .
The statements remain to be finalized once Pioneer becomes available.

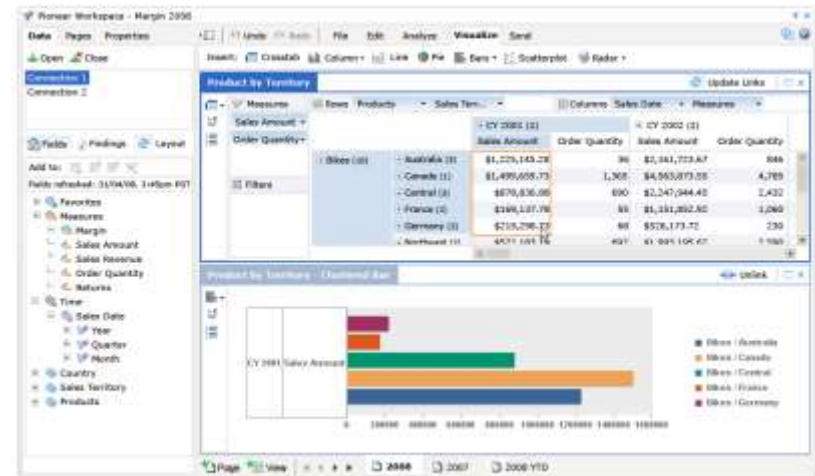
Agenda



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Pioneer Office: Excel Add-In with Query Panel



Microsoft Excel - Pioneer Office - Microsoft Excel

File Insert Page Layout Formulas Data Review View Add-Ins Pioneer Text

Connections Recent Sources Query Navigation Properties Information Structure Undo Back to Start Exceptions Highlighting Links Back Links SLAP Sort Convert to Formula Change Variables Refresh Exception Highlighting Styles

Calendar Year	Sales organization	Orders Sold	Net Value
2006	Result	19.518,00	1.627.674.977,49
	[+] ROOT	PH Sales Organiz.	19.518,00
	[+] EUROPE	Europe	11.659,00
	[+] GERMANY	Germany	4.485,00
	1512	Frankfurt	1.388,00
	1514	Berlin	891,00
	1516	Munich	1.200,00
	1518	Hamburg	1.005,00
	[+] FRANCE	France	2.695,00
	[+] GB	GB	3.307,00
	[+] SWITZERLAND	Switzerland	1.172,00
	[+] AMERICAS	Americas	7.598,00
	[+] Not Assigned Sales organization (s)		261,00
2007	Result	19.282,00	1.704.285.942,00
	[+] ROOT	PH Sales Organiz.	19.282,00
	[+] EUROPE	Europe	11.659,00
	[+] AMERICAS	Americas	7.598,00
	[+] Not Assigned Sales organization (s)		25,00
2008	Result	7.852,00	545.147.454,52
	[+] ROOT	PH Sales Organiz.	7.852,00
	[+] EUROPE	Europe	3.701,00
	[+] AMERICAS	Americas	3.986,00
	[+] Not Assigned Sales organization (s)		165,00
Overall Result		46.652,00	3.877.108.374,01

Open Orders

- 1512 Frankfurt
- 1514 Berlin
- 1516 Munich
- 1518 Hamburg
- 1552 London
- 1554 Birmingham
- 1592 Paris
- 1594 Marseille
- 1596 Grenoble

Orders Sold

City	Orders Sold
San Francisco	35,000
Paris	20,000
London	18,000
Munich	15,000
Frankfurt	15,000
Grenoble	12,000
Toronto	5,000
Colorado	5,000

PioneerOffice

Availables

- Key Figures
 - Orders Sold
 - Net Value
 - Open Orders
- Cal. year / month
- Calendar year
- Country
- Distribution channel
 - Values
 - Direct Sales
 - Final Customer Sales
 - Sold for resale
 - Service
- Division
- Product
- Region
- Sales Group
- Sales organization
 - Values
 - Direct Sales
 - Final Customer Sales
 - Sold for resale
- Product
- Values

Filter

- Distribution channel
 - Values
 - Direct Sales
 - Final Customer Sales
 - Sold for resale
- Product
- Values

Rows

- Calendar Year
 - Values
 - 2008
 - 2007
 - 2006
- Sales organization (PH Sales Organ)

Columns

- Key Figures

Pivoting Properties Information Filtering

Pioneer Web with Exception Panel – early version



Pioneer Web - Sales Comparisons

http://auroraifoview:8080/AnalyticalReporting/WebView.do?bypassLatestInstance=true&cafWebSesInit=true&appKind=InfoView&service=/InfoViewApp/common/appService.do&loc=en&pvl=en&

Layout Format Analyze Visualize

Insert Field Filter Sort New Analysis Swap Axes Drill Mode Linking Save Analysis Update Layout

Data

Fields Analyses

From: All Connections

Find...

Select Saved Analysis...

My Analyses

- Current
 - Lead Customers
 - Sales by Geography
 - SKU Overview
- Priority
- Upcoming
- History

Public Analyses

- Sales Comparisons
- Merchandising
- Customers
- Promotions

Layout

Columns

Sales Date

Sales Amount

Rows

Customer

Cell Filters

Lead Customers

Sales Date / Sales Amount

Customer	FY 2002 (2)		FY 2003 (2)		FY 2004 (2)
	H1 FY 2002 (2)	H2 FY 2002 (2)	H1 FY 2003 (2)	H2 FY 2003 (2)	H1 FY 2004 (2)
Trailz (12)	\$20,235.36	\$16,579.48	\$76,155.87	\$48,277.48	\$248,255.40
S-Mart (22)	\$7,395,348.63	\$7,623,185.44	\$12,332,829.23	\$10,084,590.46	\$15,467,184.61
Berrings (7)	\$34,376.34	\$31,951.20	\$453,635.96	\$297,080.37	\$574,783.81
Maple (32)	\$615,474.98	\$551,290.34	\$3,058,802.14	\$1,570,299.01	\$3,912,198.28
Total	\$8,065,435.31	\$8,223,006.46	\$15,921,423.19	\$12,000,247.33	\$20,202,422.10

Sales by Geography

Sales Amount

Sales Territories

- Australia
- Canada
- France
- Germany
- UK
- United States

Sales Date

Location SKU List Sheet 3

Last saved: 02/27/2009 09:45:12 AM GMT+02:00 Connected

Pioneer Web: Navigation – Orders by Product Type and State (US)



Multi-Dimensional Designer

Layout Format Analyze Visualize

Filter Swap Axes Update Linked Components Unlink Component

Data

- Orders by Product Type
- Key Figures
 - Product Price
 - Order Quantity
 - Order Amount
 - Amount of Delivered
 - Delivered Value
- Supplier
- Product
- Calendar Day
- Order Year
- Region
 - Region**
- Sales Person
- Customer
- Country
 - Country
 - Country Hierarchy 01**
 - Country Hierarchy 02
 - Country Hierarchy 03
 - Hierarchy with dup nodes
 - חוספת תגובה חדשה

Layout

Columns

- Key Figures

Rows

- Product Type
- Region

Filters

- Country

Analysis 1

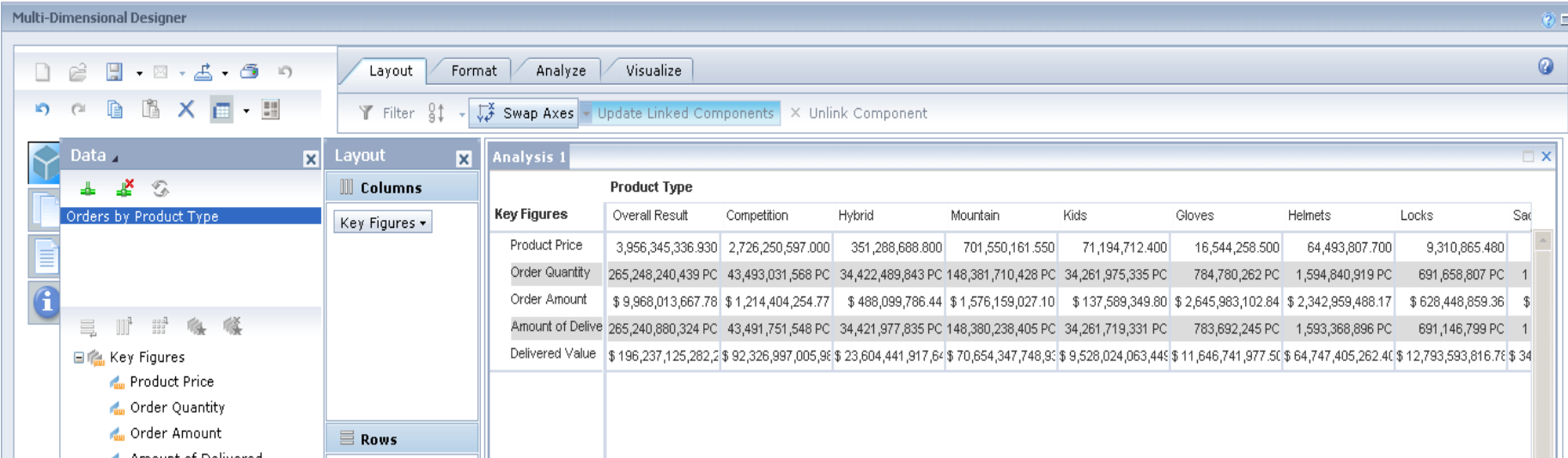
Product Type	Region	Key Figures			
		Product Price	Order Quantity	Order Amount	Amount of Delivered
Overall Result	Result	1,424,323,884.130	95,492,018,999 PC	\$ 3,58	
Competition	Result	981,477,477.000	15,657,926,288 PC	\$ 43	
	AL	32,714,496.000	521,908,224 PC	\$ 1	
	AR	10,904,832.000	173,969,408 PC	\$	
	AZ	21,809,664.000	347,938,816 PC	\$	
	CA	65,428,992.000	1,043,816,448 PC	\$ 2	
	CO	10,904,832.000	173,969,408 PC	\$	
	CT	10,904,832.000	173,969,408 PC	\$	
	DC	10,904,832.000	173,969,408 PC	\$	
	DE	10,904,832.000	173,969,408 PC	\$	
	FL	21,809,664.000	347,938,816 PC	\$	
	GA	10,904,832.000	173,969,408 PC	\$	
	IA	43,619,328.000	695,877,632 PC	\$ 1	
	ID	32,714,496.000	521,908,224 PC	\$ 1	
	IL	76,333,824.000	1,217,785,856 PC	\$ 3	
	KS	10,904,832.000	173,969,408 PC	\$	
	KY	10,904,832.000	173,969,408 PC	\$	
	LA	10,904,832.000	173,969,408 PC	\$	
		21,809,664.000	347,938,816 PC	\$ 9,715,082.24	347,928,576 PC \$ 738,604,435,353.€
		10,904,832.000	173,969,408 PC	\$ 4,857,541.12	173,964,288 PC \$ 369,302,217,676.€
		10,904,832.000	173,969,408 PC	\$ 4,857,541.12	173,964,288 PC \$ 369,302,217,676.€
		32,757,093.000	522,587,792 PC	\$ 14,591,598.13	522,572,412 PC \$ 1,109,349,239,81€
		43,619,328.000	695,877,632 PC	\$ 19,430,164.48	695,857,152 PC \$ 1,477,208,870,707

Page 3

1. Drag and drop Region to rows

2. Select Country and click on filter icon for background filter

3. Select Filter from Country context menu and filter by US



The screenshot shows the SAP Multi-Dimensional Designer interface. The 'Layout' tab is active, displaying a pivot table for 'Analysis 1'. The table is structured with 'Key Figures' on the rows and 'Product Type' on the columns. The 'Product Type' dimension is broken down into 'Overall Result', 'Competition', 'Hybrid', 'Mountain', 'Kids', 'Gloves', 'Helmets', 'Locks', and 'Saddles'. The 'Key Figures' include 'Product Price', 'Order Quantity', 'Order Amount', 'Amount of Delivered', and 'Delivered Value'. The interface also shows a 'Data' pane on the left with 'Orders by Product Type' selected, and a 'Layout' pane with 'Columns' and 'Rows' sections.

Key Figures	Product Type								
	Overall Result	Competition	Hybrid	Mountain	Kids	Gloves	Helmets	Locks	Saddles
Product Price	3,956,345,336.930	2,726,250,597.000	351,288,688.800	701,550,161.550	71,194,712.400	16,544,258.500	64,493,807.700	9,310,865.480	
Order Quantity	265,248,240,439 PC	43,493,031,568 PC	34,422,489,843 PC	148,381,710,428 PC	34,261,975,335 PC	784,780,262 PC	1,594,840,919 PC	691,658,807 PC	1
Order Amount	\$ 9,968,013,667.78	\$ 1,214,404,254.77	\$ 488,099,786.44	\$ 1,576,159,027.10	\$ 137,589,349.80	\$ 2,645,983,102.84	\$ 2,342,959,488.17	\$ 628,448,859.36	\$
Amount of Delivered	265,240,880,324 PC	43,491,751,548 PC	34,421,977,835 PC	148,380,238,405 PC	34,261,719,331 PC	783,692,245 PC	1,593,368,896 PC	691,146,799 PC	1
Delivered Value	\$ 196,237,125,282.2	\$ 92,326,997,005.98	\$ 23,604,441,917.64	\$ 70,654,347,748.93	\$ 9,526,024,063.44	\$ 11,646,741,977.50	\$ 64,747,405,262.40	\$ 12,793,593,816.76	\$ 34

Layout Tab Options:

- Filter on row or column dimension (individual, range, save to favorites)
- Sort ascending, descending, break hierarchies
- Swap axes
- Update linked components
- Unlink component

Pioneer Web: Visualize



Multi-Dimensional Designer

Layout | Format | Analyze | Visualize

Selected Component: [Table] | Insert: Crosstab | Column | Line | Pie | Bar | Scatter | Other Charts

Data: Orders by Product Type

Layout: Columns: Key Figures | Rows: Product Type | Filters: (empty)

Analysis 1

Key Figures	Competition	Hybrid	Mountain	Kids	Gloves	Helmets	Locks	Saddles	
Product Price	930	2,726,250,597.000	351,288,688.800	701,550,161.550	71,194,712.400	16,544,258.500	64,493,807.700	9,310,865.480	15,712,245.500
Order Quantity	43,453,031,368 PC	34,422,468,043 PC	148,361,710,426 PC	34,261,873,333 PC	784,760,262 PC	1,334,840,319 PC	631,830,807 PC	1,817,733,277 PC	
Order Amount	7.78 \$ 1,214,404,254.77	\$ 488,099,786.44	\$ 1,576,159,027.10	\$ 137,589,349.80	\$ 2,645,983,102.84	\$ 2,342,959,488.17	\$ 628,448,859.36	\$ 934,369,799.30	
Amount of Delivered	43,491,751,548 PC	34,421,977,835 PC	148,380,238,405 PC	34,261,719,331 PC	783,692,245 PC	1,593,368,896 PC	691,146,799 PC	1,816,985,265 PC	
Delivered Value	82.2 \$ 92,326,997,005.96	\$ 23,604,441,917.64	\$ 70,654,347,748.93	\$ 9,528,024,063.44	\$ 11,846,741,977.50	\$ 64,747,405,262.40	\$ 12,793,593,816.76	\$ 34,126,805,223.00	

Analysis 1 - Sub Analysis 1

Page 1 | Page 2 | Page 3



Layout | **Format** | Analyze | Visualize

Format cell | Suppress | Totals and Parents | Comment

Layout

Columns

Key Figures

Rows

Product Type

Region

Filters

Country

Product	Order Amount	Amount of Delivered	Delivered Value
999 PC	\$ 3,588,584,598.98	95,489,369,284 PC	\$ 70,647,327,442,21
288 PC	\$ 437,197,675.57	15,657,465,468 PC	\$ 33,238,642,177,69
224 PC	\$ 14,572,623.36	521,892,864 PC	\$ 1,107,906,653,030
AL	10,904,832.000	173,969,408 PC	\$ 4,857,541.12
AR	21,809,664.000	347,938,816 PC	\$ 9,715,082.24
AZ	65,428,992.000	1,043,816,448 PC	\$ 29,145,246.72
CA	10,904,832.000	173,969,408 PC	\$ 4,857,541.12
CO	10,904,832.000	173,969,408 PC	\$ 4,857,541.12
CT	10,904,832.000	173,969,408 PC	\$ 4,857,541.12
DC	10,904,832.000	173,969,408 PC	\$ 4,857,541.12
DE	10,904,832.000	173,969,408 PC	\$ 4,857,541.12
FL	21,809,664.000	347,938,816 PC	\$ 9,715,082.24
GA	10,904,832.000	173,969,408 PC	\$ 4,857,541.12
IA	43,619,328.000	695,877,632 PC	\$ 19,430,164.48
IL	32,714,496.000	521,908,224 PC	\$ 14,572,623.36
IL	76,333,824.000	1,217,785,856 PC	\$ 34,002,787.84
KS	10,904,832.000	173,969,408 PC	\$ 4,857,541.12
KY	10,904,832.000	173,969,408 PC	\$ 4,857,541.12
LA	10,904,832.000	173,969,408 PC	\$ 4,857,541.12
MA	21,809,664.000	347,938,816 PC	\$ 9,715,082.24
MD	10,904,832.000	173,969,408 PC	\$ 4,857,541.12
ME	10,904,832.000	173,969,408 PC	\$ 4,857,541.12
MI	32,757,093.000	522,587,792 PC	\$ 14,591,598.13
MI	522,587,792.000	522,587,792 PC	\$ 522,572,412.12
MI	1,109,349,239.816		
MN	43,619,328.000	695,877,632 PC	\$ 19,430,164.48
MN	695,857,152.000	695,857,152 PC	\$ 1,477,208,870,707

Page 1 | Page 2 | Page 3

Format Tab Options:

- Format measures (server, number, percentage, scientific)
- Suppress rows or columns
- Control display of totals and parents
- Add a comment

Pioneer Web: Analyze



Multi-Dimensional Designer

Layout Format Analyze Visualize

Calculation Exception Outliers Trend

New Exception...
Order Amount exceptions

Key Figures

Country	Product Type	Product Price	Order Quantity	Order Amount	Amount of Delivered	Delivered Value
Overall Result	Result	3,956,345,336.930	265,248,240,439 PC	\$ 9,968,013,667.78	265,240,880,324 PC	\$ 196,237,125,282.2
Argentina	Result	15,825,134.080	1,060,976,384 PC	\$ 39,871,431.68	1,060,946,944 PC	\$ 784,936,236,500.4
	Competition	10,904,832.000	173,969,408 PC	\$ 4,857,541.12	173,964,288 PC	\$ 369,302,217,676.8
	Hybrid	1,405,132.800	137,687,808 PC	\$ 1,952,368.64	137,685,760 PC	\$ 94,416,292,416.00
	Mountain	2,806,156.800	593,517,568 PC	\$ 6,304,537.60	593,511,680 PC	\$ 282,612,975,168.0
	Kids	284,774.400	137,045,760 PC	\$ 550,348.80	137,044,736 PC	\$ 38,111,500,761.60
	Gloves	66,176.000	3,139,072 PC	\$ 10,583,767.04	3,134,720 PC	\$ 46,586,240.00
	Helmets	257,971.200	6,379,264 PC	\$ 9,371,891.52	6,373,376 PC	\$ 258,985,574.40
	Locks	37,242.880	2,766,592 PC	\$ 2,513,756.16	2,764,544 PC	\$ 51,173,575.68
	Saddles	62,848.000	6,470,912 PC	\$ 3,737,420.80	6,467,840 PC	\$ 136,505,088.00
Aruba	Result	15,825,134.080	1,060,976,384 PC	\$ 39,871,431.68	1,060,946,944 PC	\$ 784,936,236,500.4
	Competition	10,904,832.000	173,969,408 PC	\$ 4,857,541.12	173,964,288 PC	\$ 369,302,217,676.8
	Hybrid	1,405,132.800	137,687,808 PC	\$ 1,952,368.64	137,685,760 PC	\$ 94,416,292,416.00
	Mountain	2,806,156.800	593,517,568 PC	\$ 6,304,537.60	593,511,680 PC	\$ 282,612,975,168.0
	Kids	284,774.400	137,045,760 PC	\$ 550,348.80	137,044,736 PC	\$ 38,111,500,761.60
	Gloves	66,176.000	3,139,072 PC	\$ 10,583,767.04	3,134,720 PC	\$ 46,586,240.00
	Helmets	257,971.200	6,379,264 PC	\$ 9,371,891.52	6,373,376 PC	\$ 258,985,574.40

Key Figures

Country Product Type

Product Price Order Quantity Order Amount Amount of Delivered Delivered Value

Rows

Country Product Type

Supplier Product Calendar Day Order Year Region Region Sales Person Customer

Analyze Tab Options:

- Add standard, dynamic, and custom calculations
- Define exceptions
- Use predictive services – outlier and trend analysis

Pioneer Web: Example



Layout Format Analyze Visualize

Format cell Suppress Σ Totals and Parents Comment

Layout Analysis 1

Columns Key Figures

Rows Region

Filters Country

Region	Order Quantity	Order Amount	CUMULATIVE_S	RANK_OLYMPK	Amount of Deliverer	Delivered Value
Overall Result	95,492,018,999 PC	\$ 3,588,584,598.98	\$ 3,588,584,598.98	1	95,489,369,284 PC	\$ 70,647,327,442,21
IL	7,426,834,688 PC	\$ 279,100,021.76	\$ 279,100,021.76	1	7,426,628,608 PC	\$ 5,494,553,655,503
CA	6,365,858,304 PC	\$ 239,228,590.08	\$ 518,328,611.84	2	6,365,681,664 PC	\$ 4,709,617,419,002
PA	5,304,881,920 PC	\$ 199,357,158.40	\$ 717,685,770.24	3	5,304,734,720 PC	\$ 3,924,681,182,502
IA	4,243,905,536 PC	\$ 159,485,726.72	\$ 877,171,496.96	4	4,243,787,776 PC	\$ 3,139,744,946,001
MN	4,243,905,536 PC	\$ 159,485,726.72	\$ 1,036,657,223.68	4	4,243,787,776 PC	\$ 3,139,744,946,001
RI	4,243,905,536 PC	\$ 159,485,726.72	\$ 1,196,142,950.40	4	4,243,787,776 PC	\$ 3,139,744,946,001
VA	4,243,905,536 PC	\$ 159,485,726.72	\$ 1,355,628,677.12	4	4,243,787,776 PC	\$ 3,139,744,946,001
WI	4,243,905,536 PC	\$ 159,485,726.72	\$ 1,515,114,403.84	4	4,243,787,776 PC	\$ 3,139,744,946,001
MI	3,187,073,591 PC	\$ 119,770,042.82	\$ 1,634,884,446.66	9	3,186,985,156 PC	\$ 2,357,874,866,675
AL	3,182,929,152 PC	\$ 119,614,295.04	\$ 1,754,498,741.70	10	3,182,840,832 PC	\$ 2,354,808,709,501
ID	3,182,929,152 PC	\$ 119,614,295.04	\$ 1,874,113,036.74	10	3,182,840,832 PC	\$ 2,354,808,709,501
OH	3,182,929,152 PC	\$ 119,614,295.04	\$ 1,993,727,331.78	10	3,182,840,832 PC	\$ 2,354,808,709,501
AZ	2,121,952,768 PC	\$ 79,742,863.36	\$ 2,073,470,195.14	13	2,121,893,888 PC	\$ 1,569,872,473,000
FL	2,121,952,768 PC	\$ 79,742,863.36	\$ 2,153,213,058.50	13	2,121,893,888 PC	\$ 1,569,872,473,000
MA	2,121,952,768 PC	\$ 79,742,863.36	\$ 2,232,955,921.86	13	2,121,893,888 PC	\$ 1,569,872,473,000
NJ	2,121,952,768 PC	\$ 79,742,863.36	\$ 2,312,698,785.22	13	2,121,893,888 PC	\$ 1,569,872,473,000
OR	2,121,952,768 PC	\$ 79,742,863.36	\$ 2,392,441,648.58	13	2,121,893,888 PC	\$ 1,569,872,473,000
AR	1,060,976,384 PC	\$ 39,871,431.68	\$ 2,432,313,080.26	18	1,060,946,944 PC	\$ 784,936,236,500.4
CO	1,060,976,384 PC	\$ 39,871,431.68	\$ 2,472,184,511.94	18	1,060,946,944 PC	\$ 784,936,236,500.4
CT	1,060,976,384 PC	\$ 39,871,431.68	\$ 2,512,055,943.62	18	1,060,946,944 PC	\$ 784,936,236,500.4
DC	1,060,976,384 PC	\$ 39,871,431.68	\$ 2,551,927,375.30	18	1,060,946,944 PC	\$ 784,936,236,500.4
DE	1,060,976,384 PC	\$ 39,871,431.68	\$ 2,591,798,806.98	18	1,060,946,944 PC	\$ 784,936,236,500.4

1. Apply descending sort to Order Amount
2. Add Order Amount dynamic calculation for Accumulative Sum
3. Add Order Amount dynamic calculation for Olympic Ranking
4. Set Totals before children

With a few analysis steps, we can see that the top 10 ranked states (12 states total, including ties) account for over 50% of the order volume, based on order amount