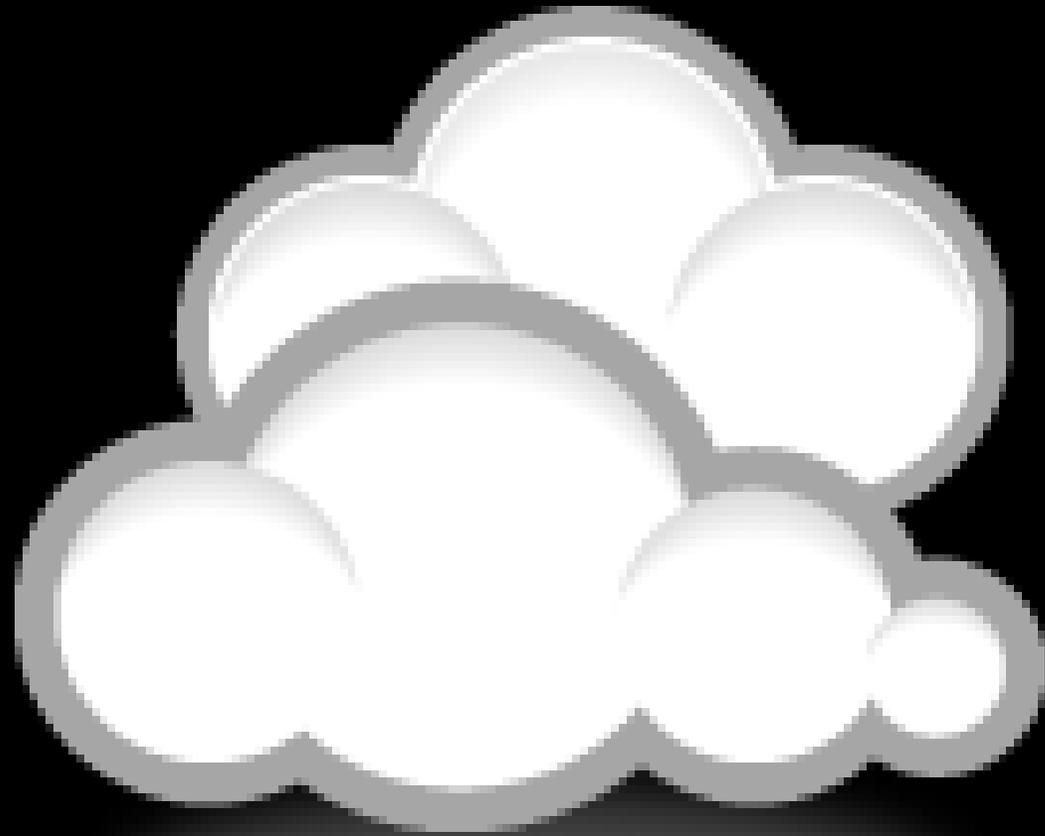


Microsoft[®]

Information @ your fingertips

Marcel Westra
BI Specialist
mwestra@microsoft.com





HOME > DATA

price

- FREE (7)
- PAID (7)
- FREE TRIAL (6)

publisher

- BOUNDARY SOLUTIONS, INC. (3)
- ENVIRONMENTAL DATA RESOURCES, INC. (1)
- GEODATASERVICE (1)
- GREATER LONDON AUTHORITY (GLA) (2)
- RPM CONSULTING, LLC (2)
- THE SANBORN MAP COMPANY, INC (1)
- ZILLOW, INC (4)

14 Results in: DATA REAL ESTATE

Sort By: Date Added Name Publisher 1 2 next

- 

Local Authority Average Rents

published by: Greater London Authority (GLA)

This dataset provides information on the amount that is charged weekly by the Local Authorities for social housing in the United Kingdom. This rent data are based on the financial year.

data
- 

Average House Prices, Borough

published by: Greater London Authority (GLA)

This dataset provides and average annual and quarterly house prices based on Land Registry data in the United Kingdom, by borough.

data
- 

GeoData Service

published by: GeoDataService

Find demographics, geography, and lifestyle data based on IP Address, longitude / latitude, and zip code.

data
- 

MarketBank Retail Financial Services Demand & Potential

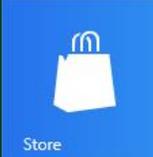
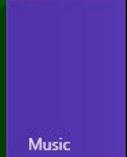
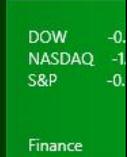
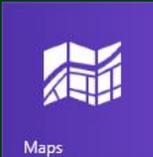
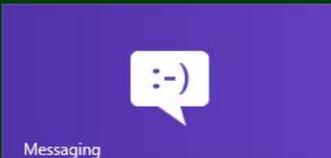
published by: RPM CONSULTING, LLC

MarketBank™ 2011 provides estimated usage and balances of financial products and services among America's households. Data are provided at

data

Start

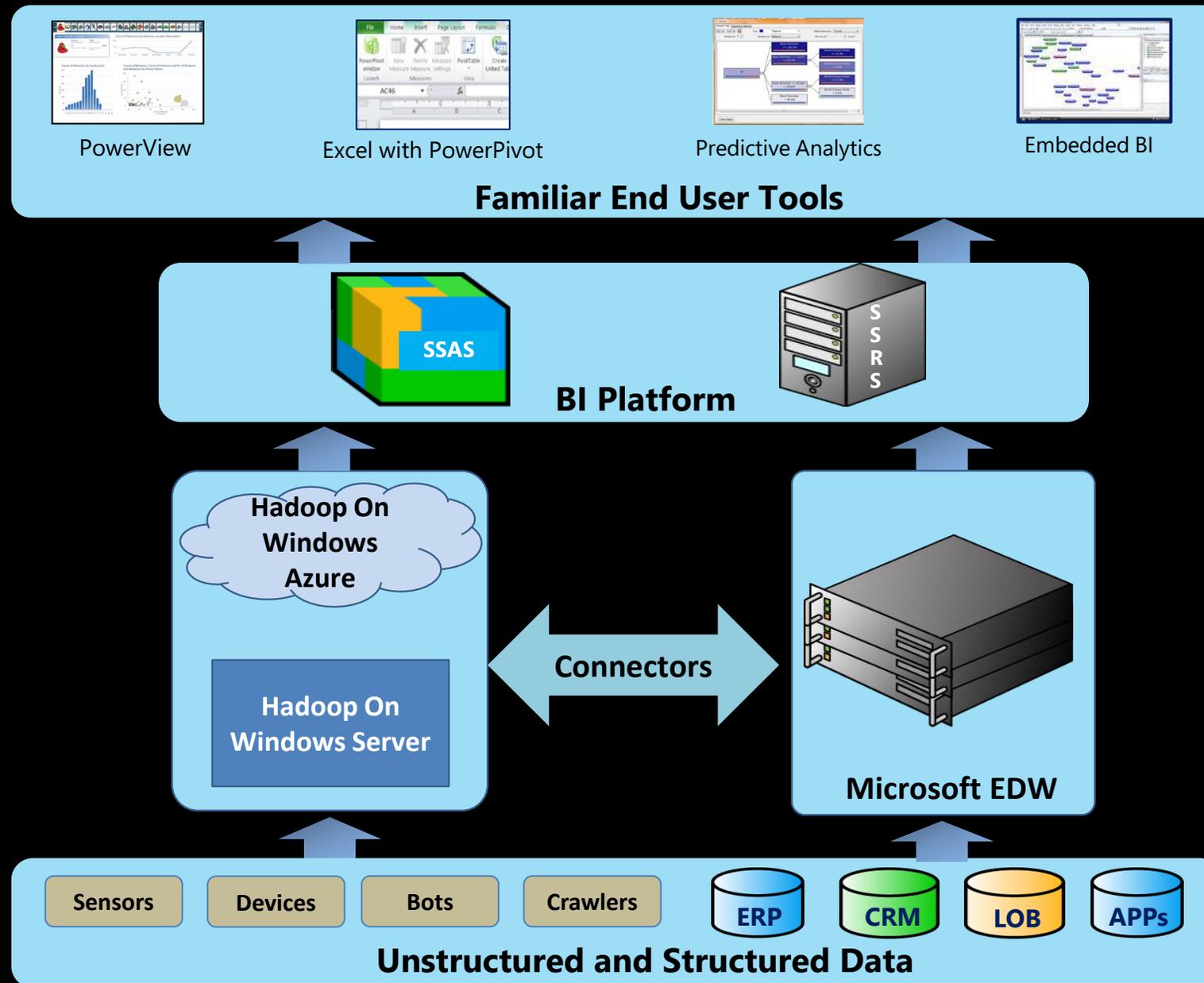
Marcel Westra 

 <p>Microsoft Outlook 2010</p>	 <p>Microsoft PowerPoint 2010</p>	 <p>Store</p>	 <p>13° Workum, Netherlands Rain, 16°/11°</p>	 <p>Photos</p>	 <p>webwereld</p>	 <p>telegraaf</p>	 <p>Music</p>	
 <p>Microsoft OneNote 2010</p>	 <p>Presentatie 2011</p>	 <p>Xbox LIVE Games</p>	 <p>Let op ik kan in principe ... rotterdam Tomorrow: 8:00 AM 31 Thursday</p>	 <p>Video</p>	 <p>nu</p>	 <p>Facebook</p>	 <p>DOW -0.0 NASDAQ -1.1 S&P -0.0 Finance</p>	
 <p>Microsoft Word 2010</p>	 <p>Microsoft Excel 2010</p>	 <p>Maps</p>	 <p>Internet Explorer</p>	 <p>Windows Explorer</p>	 <p>Tfa_Nexus</p>	 <p>Microsoft Lync 2010</p>	 <p>Zune</p>	 <p>Reader</p>
 <p>Desktop</p>	 <p>Messaging</p>	 <p>Control Panel</p>	 <p>SkyDrive</p>	 <p>Sonos</p>	 <p>Database Management [...]</p>	 <p>Microsoft Visual Studio 2010</p>	 <p>Xbox Compar</p>	
 <p>bol.com Laatste kans: profiteer nu nog van kort... Bol.com heeft u een e-mail in HTML o...</p>	 <p>Hyper-V Manager</p>	 <p>Remote Desktop</p>	 <p>16° Rotterdam, Netherlands Cloudy, 19°/11° Weather</p>	 <p>HeadTrax</p>				

Big Data



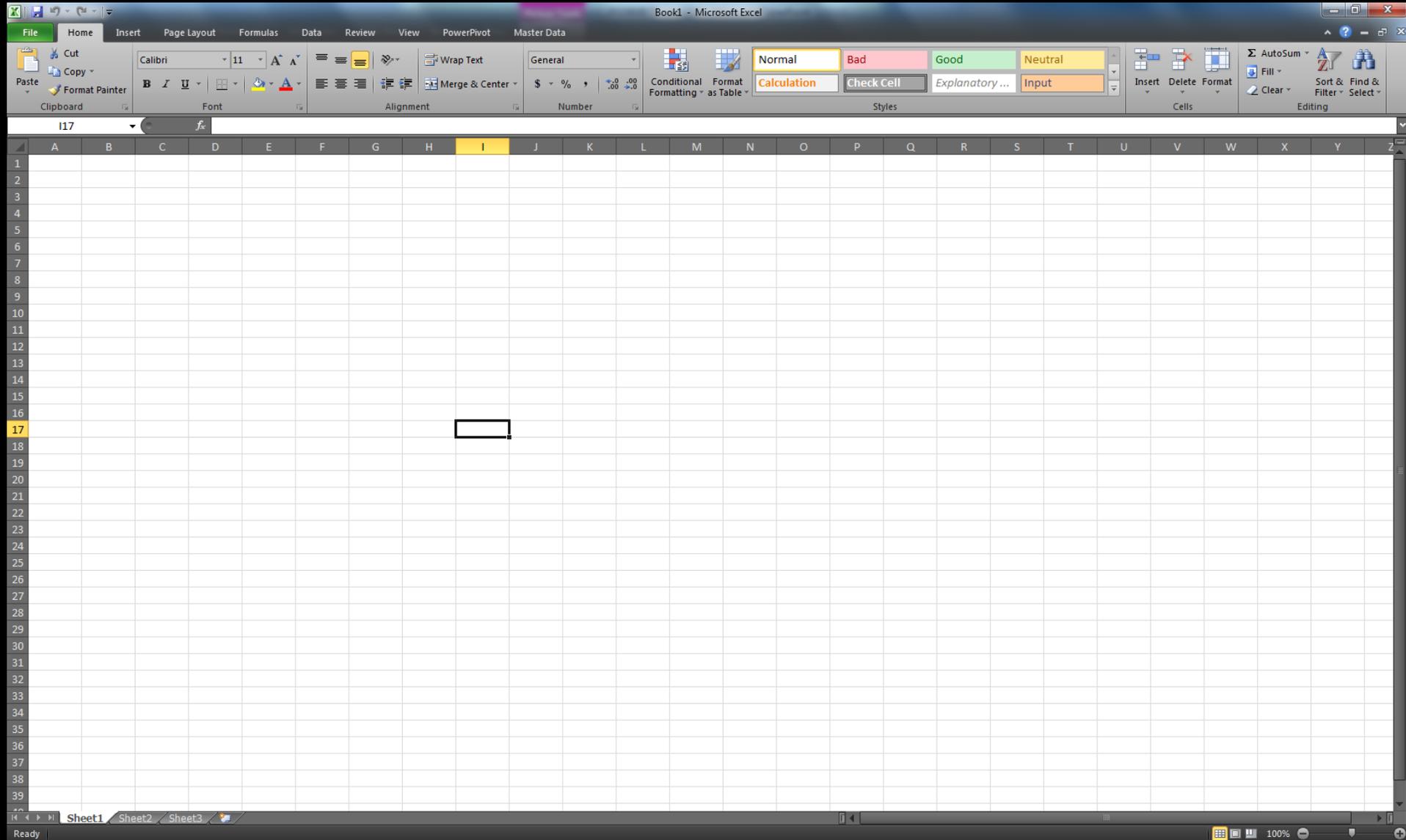
Microsoft Big Data Solution





Consumerization of BI

number 1



Three levels of application

documents

**documents
acting as
applications**

applications

IT investments

documents

documents
acting as
applications

applications

Decision support

documents

documents
acting as
applications

applications

Hidden Cost

documents

**documents
acting as
applications**

applications

Owners

documents

documents
acting as
applications

applications

User Power User

IT

DNA of the organizations

(Power) User

Creative
Fast
Agile



IT

Control
Scalable
Robust



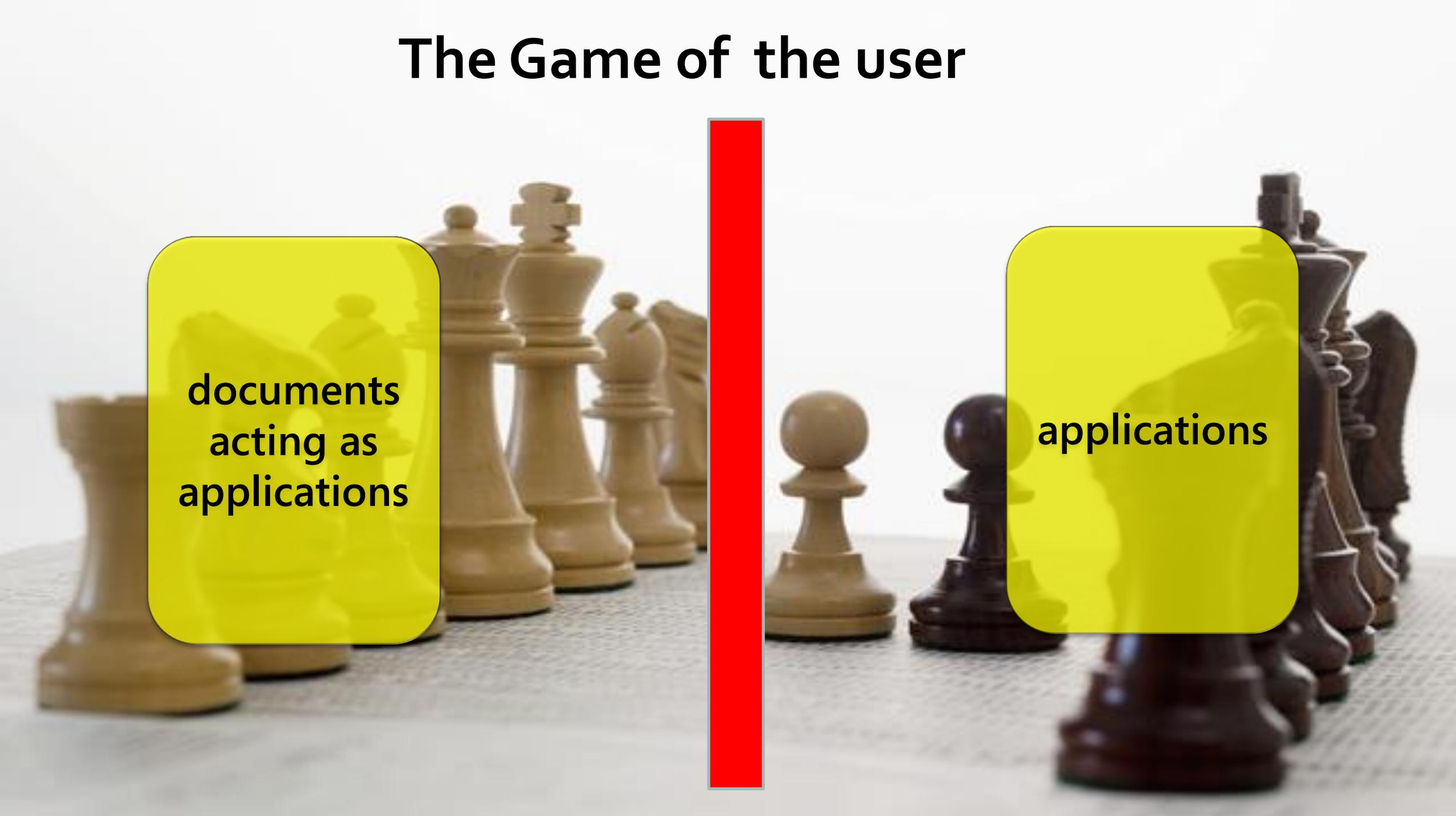
The Game of IT Process!!

documents
acting as
applications

Migrate

applications

The Game of the user



documents
acting as
applications

applications

(Power) User

Creative
Fast
Agile

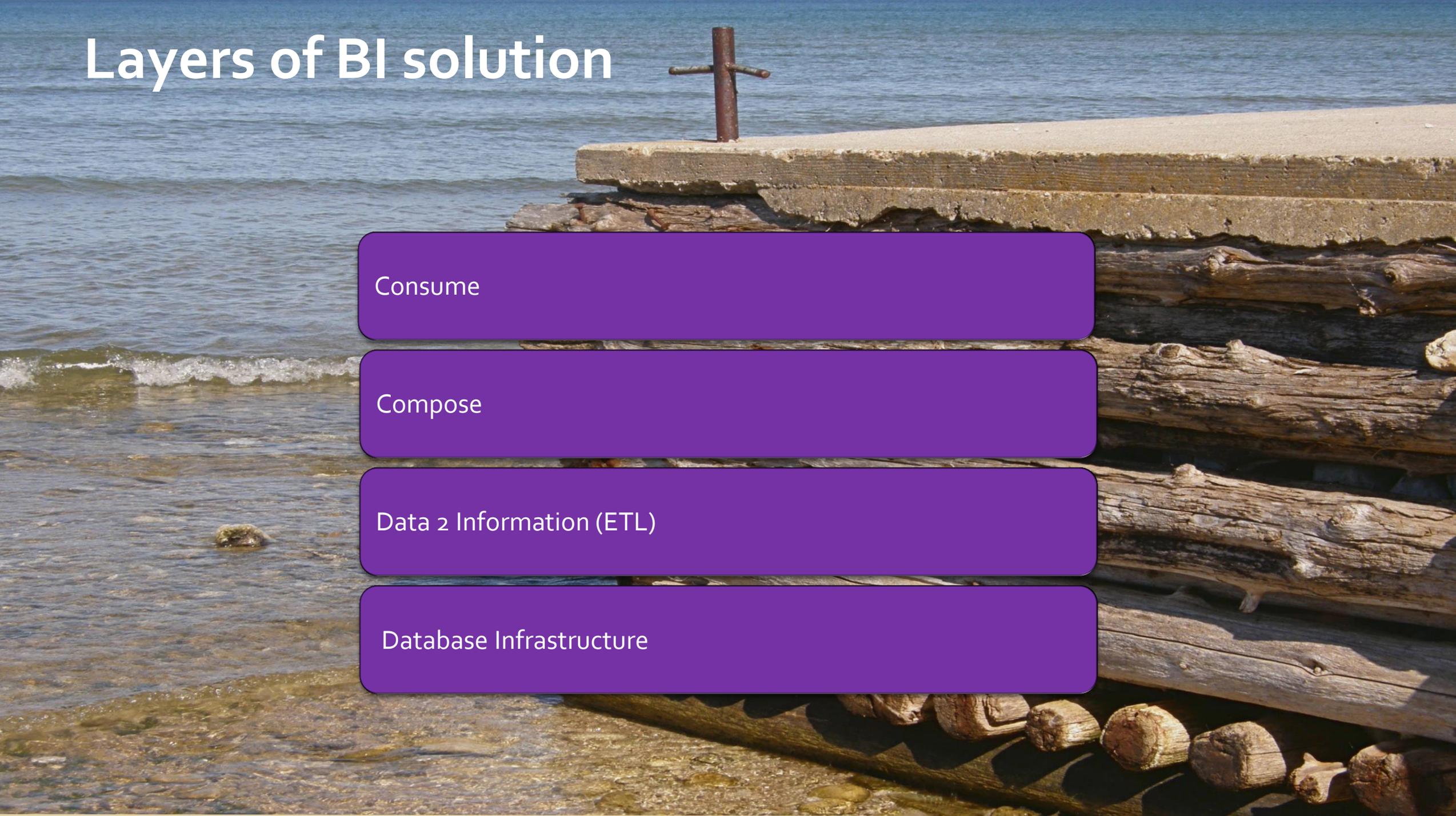


IT

Control
Scalable
Robust



Layers of BI solution

The background of the slide is a photograph of a beach. In the foreground, there is a concrete pier structure extending into the water, supported by several large, weathered logs. The water is blue and calm, with a small wave breaking near the shore. The sky is not visible, suggesting a clear day.

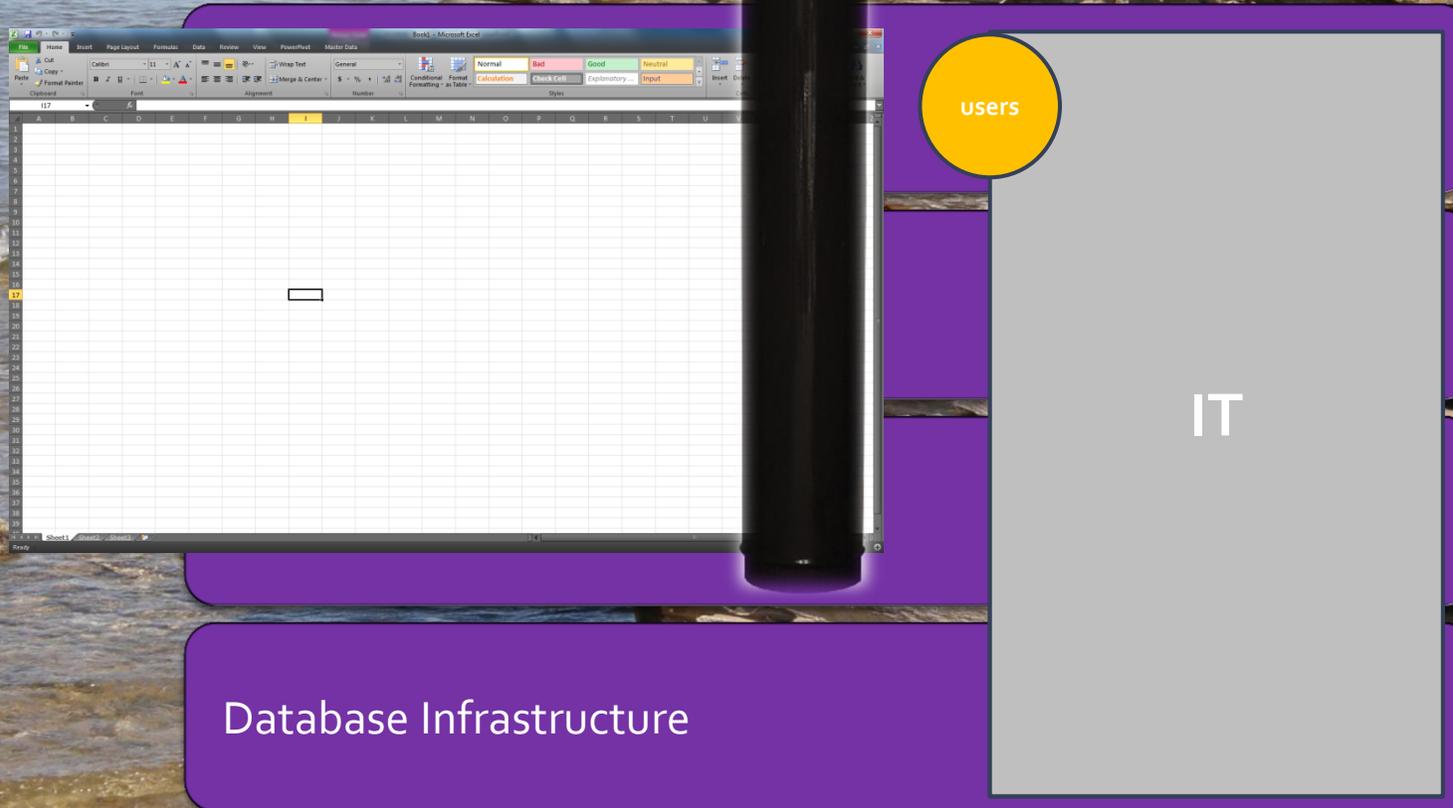
Consume

Compose

Data 2 Information (ETL)

Database Infrastructure

Layers of BI solution



Time to market

(Power) User

self-service

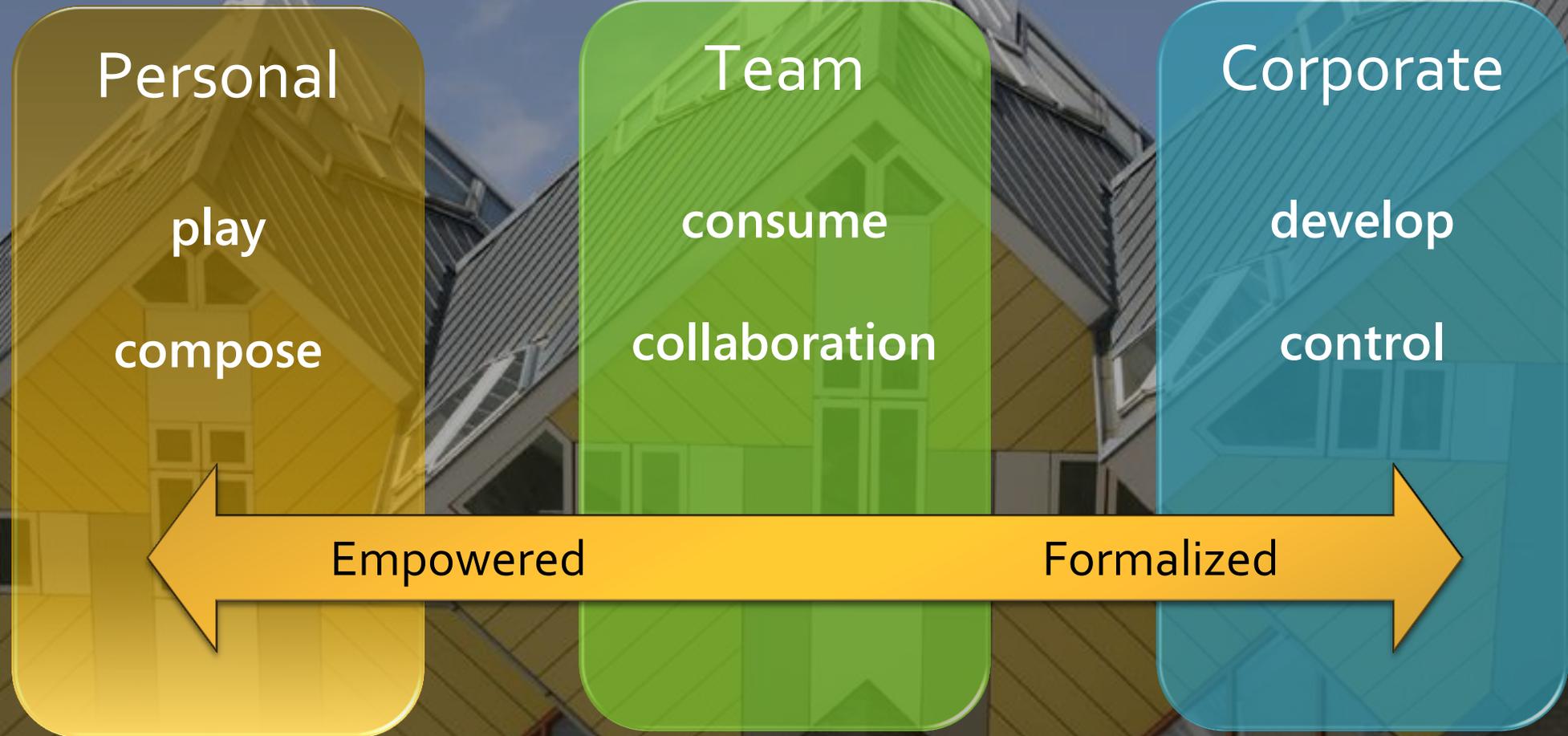


IT

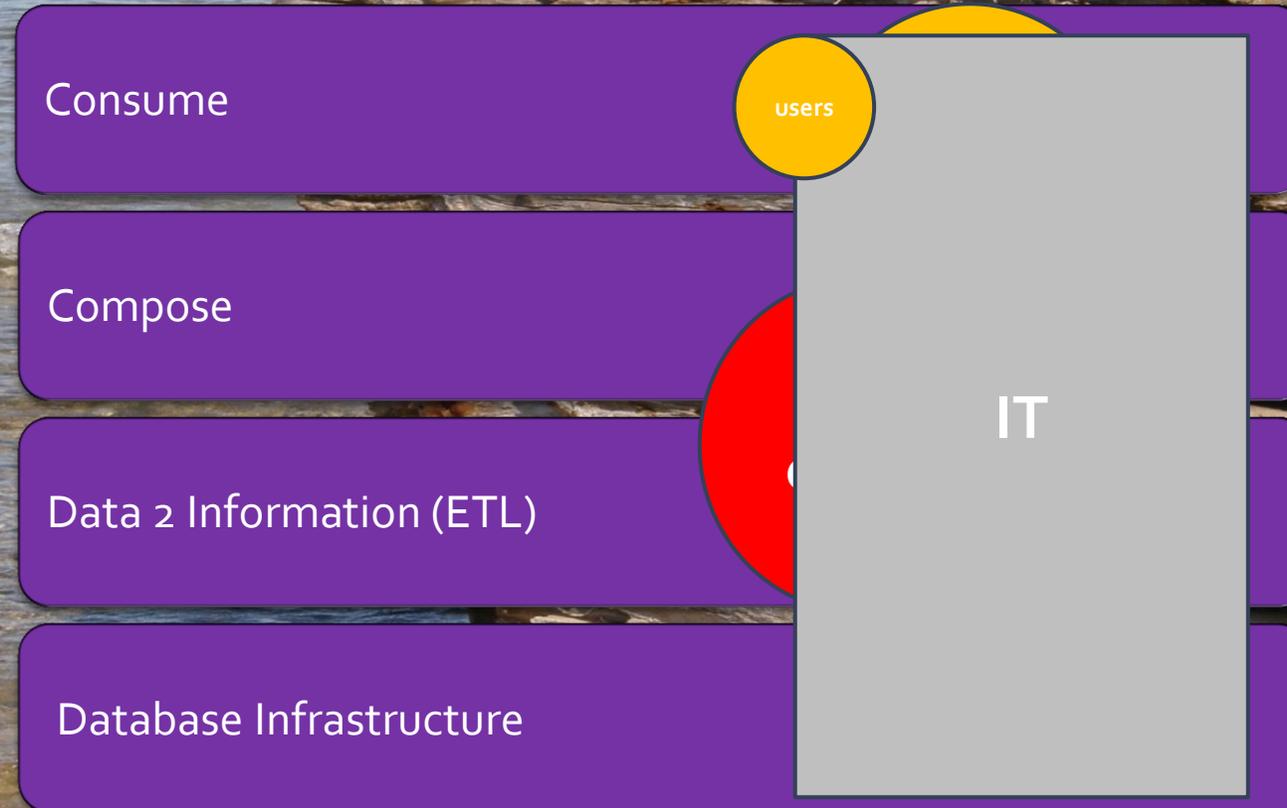
faster processes



Microsoft: "Three" Dimensions



Layers of BI solution



Master Data Management in Excel !!!

Book1 - Microsoft Excel

File Home Insert Page Layout Formulas Data Review View PowerPivot Master Data

Connect Favorites Refresh Delete Publish Apply Rules Refresh Status Show/Hide Status Create Entity Attribute Properties Map Sources Match Show/Hide Matching Metadata Columns Show/Hide Explorer Settings Help

Master Data Explorer

Model: Customer Version: VERSION_1 Status: Open

Load Data

Name	Code	AddressLine1	AddressLine2	AddressLine3	StateProvince	Country	PostalCode	Telephone	Email
A Bicycle Association	2051	6405 Erie Blvd. Hills Plaza			NY	US	13214	697-555-0142	
A Bike Store	934	2251 Elliot Avenue			WA	US	98104	819-555-0175	
A Cycle Shop	1922	Heritage Mall			OR	US	97321	212-555-0187	
A Great Bicycle Company	1148	6030 Robinson Road			MO	US	65101	612-555-0100	
A Typical Bike Shop	1934	One Dancing, Rr No. 25	Box 8033		TX	US	78664	849-555-0139	
Acceptable Sales & Service	1224	6400, 888 - 3rd Avenue			AB	CA	T2P 2G8	122-555-0189	
Accessories Network	1442	699bis, rue des Peupliers			FR	FR	75008	1 (11) 500 555-0190	
Acclaimed Bicycle Company	354	830 Highway 499 So			GA	US	30253	815-555-0138	
Ace Bicycle Supply	628	36, avenue de la Gare			FR	FR	75019	1 (11) 500 555-0140	
Action Bicycle Specialists	856	Warrington Ldc Unit 25/2			ENG	GB		1 (11) 500 555-0145	
Active Cycling	836	Indian Mound Mall			OH	US	43056	719-555-0181	
Active Life Toys	1916	55 Standish Court			ON	CA	L5B 3V4	168-555-0183	
Active Systems	952	9995 West Central Entrance			MN	US	55802	473-555-0117	
Active Transport Inc.	1936	225200 Miles Ave.			OH	US	44128	465-555-0156	
Activity Center	366	Factory Stores Of America			TN	US	38555	970-555-0138	
Advanced Bike Components	642	12345 Sterling Avenue			TX	US	75061	913-555-0172	
Aerobic Exercise Company	644	39933 Mission Oaks Blvd			CA	US	93010	150-555-0189	
Affordable Sports Equipment	1108	Lake Elisnor Place			CA	US	92530	486-555-0150	
All Cycle Shop	1470	8713 Yosemite Ct.			WA	US	98011	124-555-0114	
All Seasons Sports Supply	1100	Ohms Road			TX	US	77003	708-555-0141	
Alpine Ski House	1458	7505 Laguna Boulevard			CA	US	95624	138-555-0118	
Alternative Vehicles	586	3307 Evergreen Blvd	Ste 1071		WA	US	98671	399-555-0176	
Amalgamated Parts Shop	538	Brunnenstr 422			HH	DE	60082	1 (11) 500 555-0117	
Another Bicycle Company	442	567 Sw Mccloughlin Blvd			OR	US	97222	510-555-0121	
Another Sporting Goods Company	712	5650 West 88th Ave.			CO	US	80030	870-555-0122	
Area Bike Accessories	302	6900 Sisk Road			CA	US	95354	913-555-0196	
Area Sheet Metal Supply	1116	399 Clearing Green			ENG	GB		1 (11) 500 555-0132	
Associated Bikes	930	5420 West 22500 South			UT	US	84101	320-555-0195	
Atypical Bike Company	508	7551, avenue Foch			FR	FR	75010	1 (11) 500 555-0198	
Authentic Sales and Service	1386	99 Dean Street, Soho			ENG	GB		1 (11) 500 555-0150	
Authorized Bike Sales and Rental	1304	490 Ne 4th St			WA	US	98055	818-555-0128	
Basic Bike Company	1186	15 East Main			WA	US	98366	314-555-0113	

Data Quality Services

The screenshot shows the SQL Server Data Quality Services (DQS) Domain Management interface. The window title is "SQL Server Data Quality Services". The user is logged in as "Hello, EUROPE\mwestra ((LOCAL))" and can click "Sign Out". The interface includes a "Home" button, an "Export" button, and a "Help" button. The main header is "Domain Management" with a knowledge base of "DQS Data" and current activity of "Domain Management".

The "Domain Management" section on the left lists various domains, with "Company - US" selected. The main area displays the configuration for "Company - US" under the "CD Properties" tab. The "Composite Domain Name" is "Company - US" (Required). The "Description" is "Validates US Company Data via Digital Trowel RDS".

Below the description, there are two lists for "Select Domains to include in Composite Domain":

- Domains List:** Country (2 char leading), Country (3 char leading)
- Domains in Composite Domain:** Company Name, Address Line, City, State, Country

Arrows indicate the relationship between these lists. An "Advanced" section is visible at the bottom of the main area. At the bottom right, there are "Cancel" and "Close" buttons. The status bar at the bottom left shows "Ready".

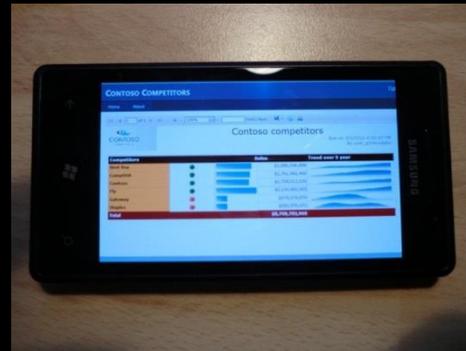
Layers of BI solution

Consume

- How to consume (device)
- Read
- Play

Data 2 Information (ETL)

Database Infrastructure



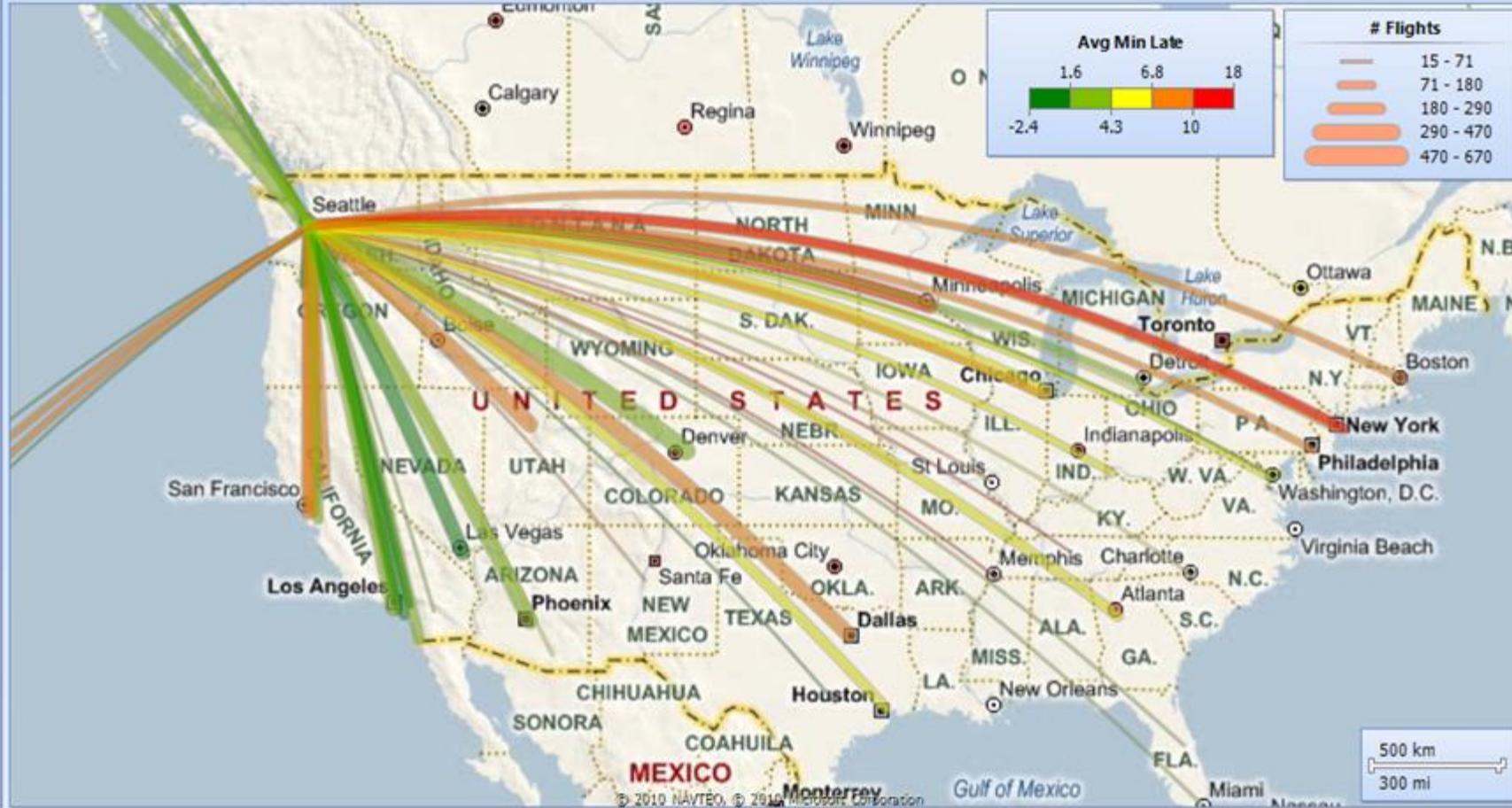
Consume

Reporting Maps

Read

Airline Route On Time Report for Seattle August 2009

Number of Flights per Route and Avg Minutes Late



Airline Route On Time Statistics for Seattle August 2009

Consume

Cars Sales Over Time

Adventure Works



Mountain-100 Silver
Model
33
MPG Highway
Hybrid
Type

33
MPG City
26,800.00
MSRP

Adventure Works



Carretera: roja
Model
31
MPG Highway
Coupe/Sedan
Type

24
MPG City
20,620.00
MSRP

Adventure Works



VTT 500 noir
Model
22
MPG Highway
SUV
Type

16
MPG City
29,670.00
MSRP

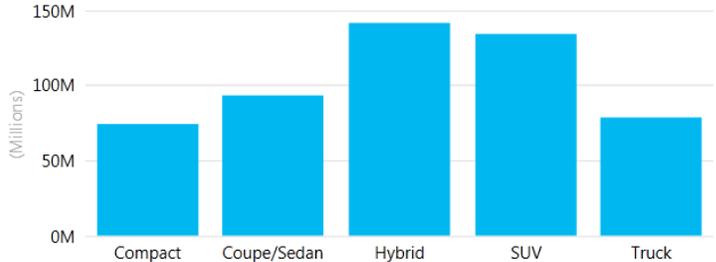
Adventure Works



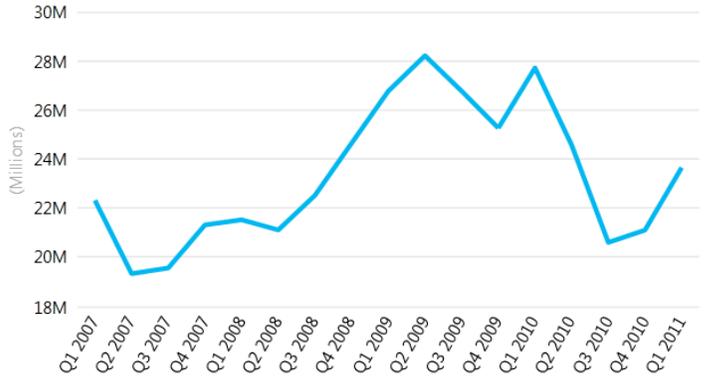
Velo de randonnee...
Model
92
MPG Highway
Hybrid
Type

106
MPG City
33,720.00
MSRP

Cumulative Sales by Type



Prior Year Sales by Quarter



Play



Layers of BI solution

The background of the slide is a photograph of a beach. In the foreground, there is a concrete pier structure extending into the water, supported by several large, weathered logs. The water is a clear blue, and the sky is bright. The overall scene is a coastal landscape.

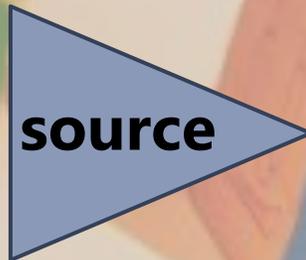
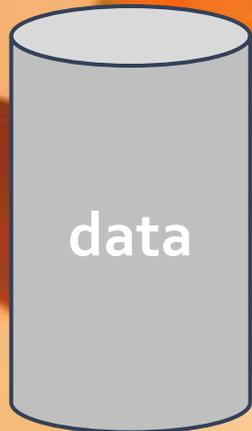
Consume

Compose

Data 2 Information (ETL)

Database Infrastructure

Grab and Go Reporting



Q



Where can I find the data

What data do I need

How to visualize

Compose

Untitled - Microsoft SQL Server Report Builder

Home Insert View

Run Paste

Views Clipboard Font Paragraph Border Number Layout

1 2 3 4 5 6 7 8

ADVENTURE WORKS

[Year]	
Category	Sales Dollars
[Category]	[Sum(Sales_Dollar

Total Sales

280 550 980
200 450 790

Report Part Gallery

Search Name and Description

Add Criteria

Name	Created by	Mod
APG logo	Nederland	
Map1	Sales in NL	
Logo	Sales Planning	

Created by: EUROPE\mwestra
Created: 6/18/2010 2:04:35 PM
Modified by: EUROPE\mwestra
Modified: 6/18/2010 2:04:35 PM
Server path: /Report Parts/Logo
Description:

Row Groups Column Groups

Current report server http://localhost/ReportServer [Disconnect](#)

100%

Compose

Three dimensions of Reporting

Personal

play
compose



Report Builder

Team

consume
collaboration



Reporting For SharePoint

Corporate

develop
control



Reporting Designer

Empowered

Formalized

Power Pivot

www.powerpivot.com

Compose

What Excel black belts are telling us...

"It has to stay in Excel. We just won't use another tool."

"We don't know what is OLAP and dimensional modeling and we don't care to know. Even relational modeling is a bit too hard."

"Don't ask us to design or model anything in advance. We should just be able to load our data in and work. Exactly as do in Excel."

"This 'PowerPivot' has to be simple, fast, intuitive and straight forward, else I will simply continue to use Excel as before"

PowerPivot for Excel - Contoso Retail Reports.xlsx

Clipboard: Paste, Paste Append, Paste Replace, Copy

Get External Data: From Database, From Report, From Azure DataMarket, From Data Feeds, From Text, From Other Sources, Refresh, PivotTable

Formatting: Data Type: Date, Format: Date, \$, %, .00, .00

Sort and Filter: Sort A to Z, Sort Z to A, Clear Sort, Clear All Filters, Sort by Column

Measures: AutoSum, Create KPI

View: Data View, Diagram View, Show Hidden, Measure Grid

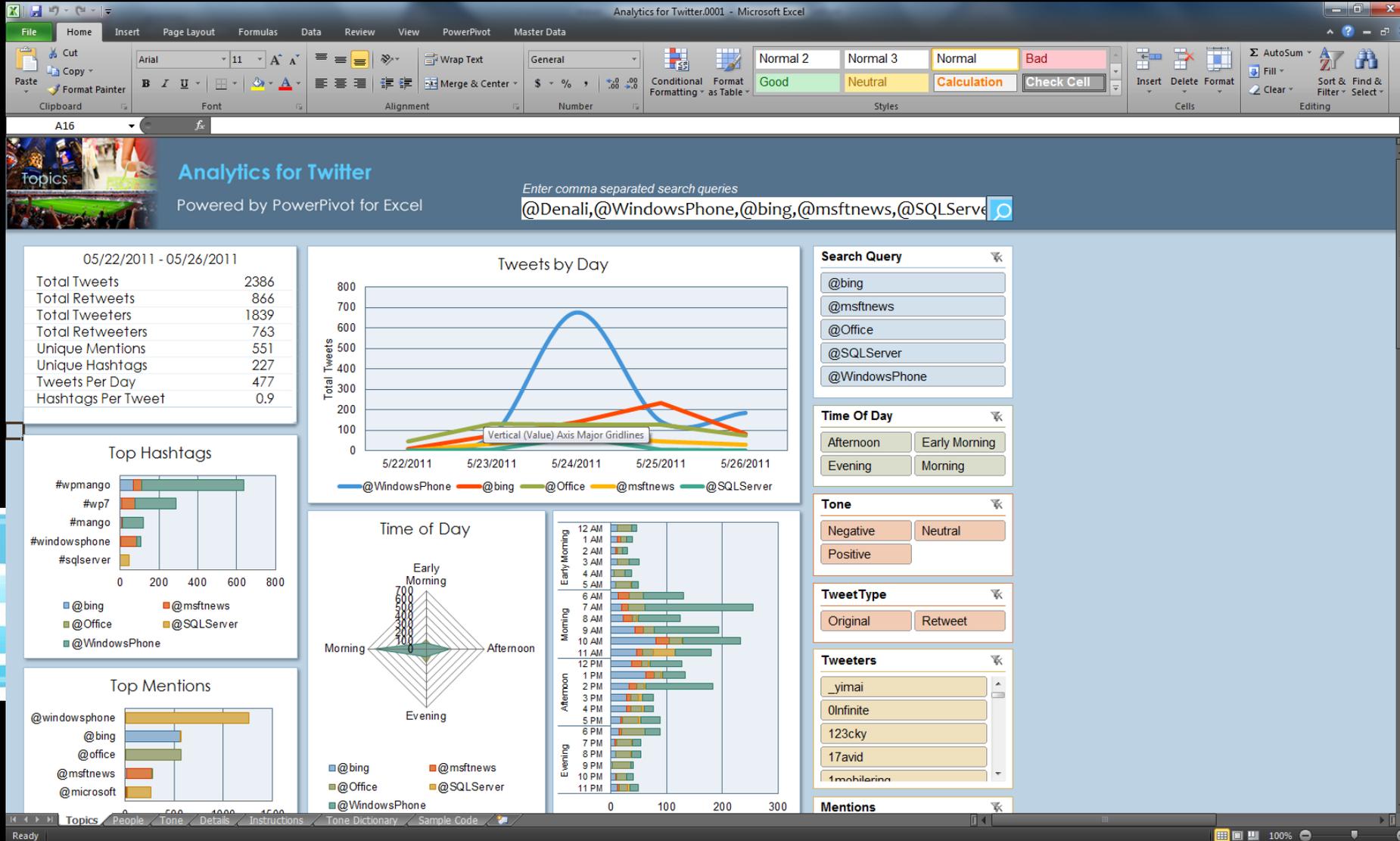
[UpdateDate] Maximum of UpdateDate:=MAX([UpdateDate])

	CurrencyKey	UnitCost	UnitPrice	SalesQuantity	ReturnQuantity	ReturnAmount	DiscountQuantity	DiscountAmount	TotalCost	SalesAmount	ETLL
11	1	\$48.43	\$94.99	9	0	\$0	0	\$0	\$435.87	\$854.91	
11	1	\$134.74	\$293	9	0	\$0	0	\$0	\$1,212.66	\$2,637	
11	1	\$167.73	\$329	9	0	\$0	0	\$0	\$1,509.57	\$2,961	
11	1	\$96.08	\$289.99	9	0	\$0	0	\$0	\$864.72	\$2,609.91	
11	1	\$261.66	\$569	9	0	\$0	0	\$0	\$2,354.94	\$5,121	
11	1	\$141.47	\$427	9	0	\$0	0	\$0	\$1,273.23	\$3,843	
11	1	\$7.59	\$16.5	9	0	\$0	0	\$0	\$68.31	\$148.5	
11	1	\$5.09	\$9.99	9	0	\$0	0	\$0	\$45.81	\$89.91	
11	1	\$73.12	\$159	9	0	\$0	0	\$0	\$658.08	\$1,431	
11	1	\$118.65	\$258	9	0	\$0	0	\$0	\$1,067.85	\$2,322	
11	1	\$75.96	\$149	9	0	\$0	0	\$0	\$683.64	\$1,341	
11	1	\$6.39	\$13.89	9	0	\$0	0	\$0	\$57.51	\$125.01	
11	1	\$71.37	\$139.99	9	0	\$0	0	\$0	\$642.33	\$1,259.91	
11	1	\$21.92	\$43	9	0	\$0	0	\$0	\$197.28	\$387	
11	1	\$152.44	\$299	9	0	\$0	0	\$0	\$1,371.96	\$2,691	
11	1	\$827.97	\$2,499	9	0	\$0	0	\$0	\$7,451.73	\$22,491	
11	1	\$66.23	\$129.9	9	0	\$0	0	\$0	\$596.07	\$1,169.1	
11	1	\$6.07	\$11.9	9	0	\$0	0	\$0	\$54.63	\$107.1	
11	1	\$404.68	\$880	9	0	\$0	0	\$0	\$3,642.12	\$7,920	
11	1	\$430.38	\$1,299	9	0	\$0	0	\$0	\$3,873.42	\$11,691	
11	1	\$141.64	\$308	9	0	\$0	0	\$0	\$1,274.76	\$2,772	
11	1	\$72.56	\$219	9	0	\$0	0	\$0	\$653.04	\$1,971	
11	1	\$38.74	\$75.99	9	0	\$0	0	\$0	\$348.66	\$683.91	
11	1	\$815.22	\$1,599	9	0	\$0	0	\$0	\$7,336.98	\$14,391	
11	1	\$105.76	\$229.99	9	0	\$0	0	\$0	\$951.84	\$2,069.91	
11	1	\$166.2	\$326	9	0	\$0	0	\$0	\$1,495.8	\$2,934	
11	1	\$40.76	\$79.95	9	0	\$0	0	\$0	\$366.84	\$719.55	
									Sum of TotalCo...	Sum of SalesAmount ...	

Record: 1 of 3,962,476

DimDate, StateID, ProductClass, DimGeography, DimProduct, DimProductCategory, DimProductSubcategory, DimPromotion, FactSales, DimSalesTerritory, DimStore, SeasonalPromotions, SalesChannel

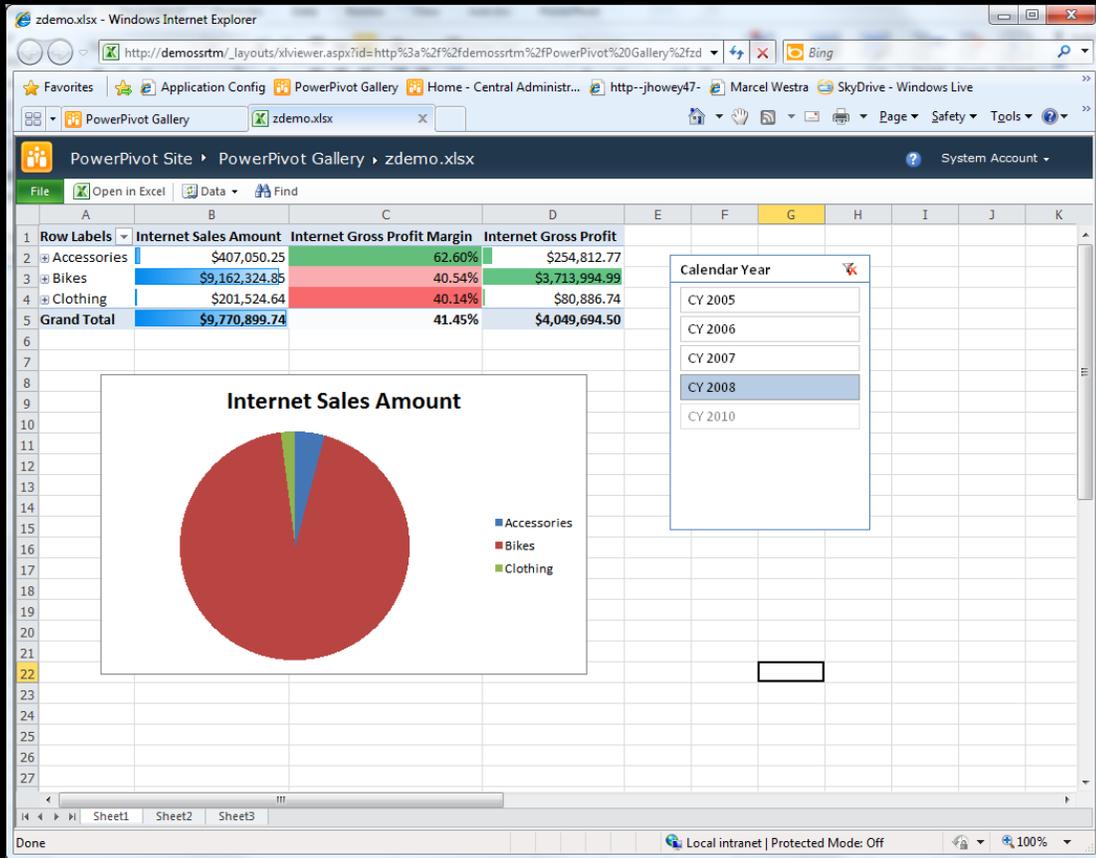
Loading Data



data

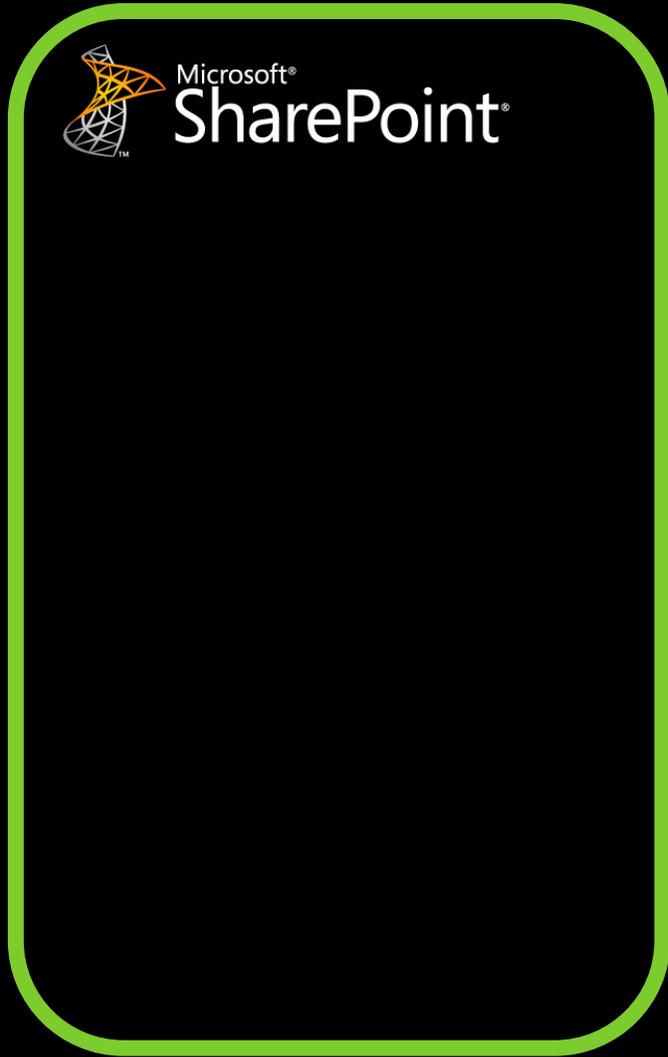
Compose

Personalized thin client



Thin Client
(excel services)

Team BI



Compose

Power View

Sales Summary Scorecard

Dashboard

		Filter Mode	Person Responsible
Summary - Sales Summary			
Sales Overview			
Sales Amount	\$109,809,274	▲	Jacob
Average Sales Amount	\$3,491	●	Jacob
Average Unit Price	\$465.18	●	Donna
Orders			
Order Quantity	274,776	●	Phil
Order Count	31,455	▲	Phil
Financial Metrics			

Click to add title

Table Fields

Values:



cyclex

1/1/2003 through 12/31/2003
Bikes (Road Bikes)

Employee Name	Sales
Eric_Jar	\$1,204,463.52
Michael_LaBe	\$1,295,159.46
Eric_Dou	\$916,141.91
Samuel_Alfari	\$1,578,881.31
Stephen_Nicklas	\$1,883,261.89

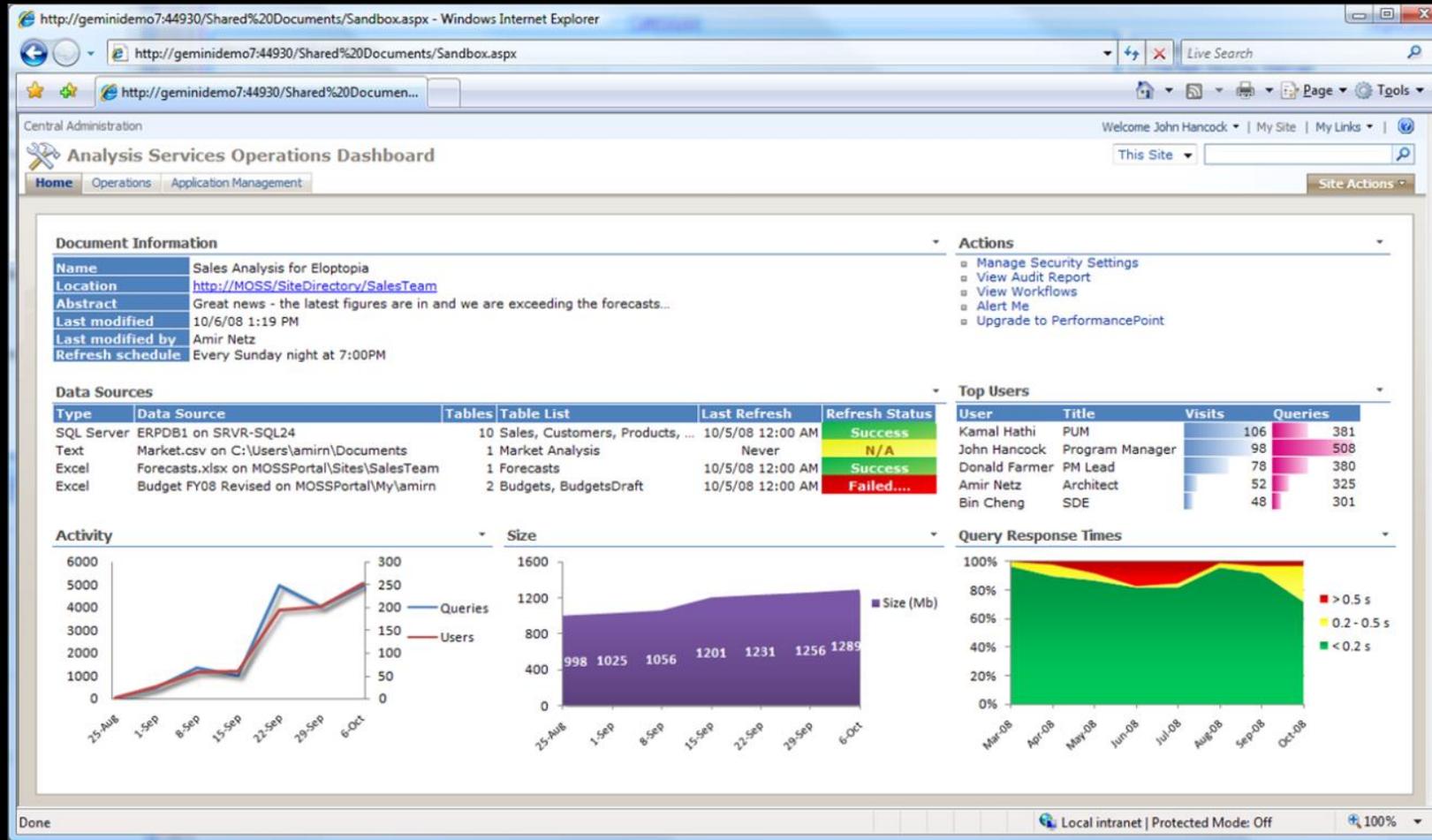
Microsoft®
SharePoint®

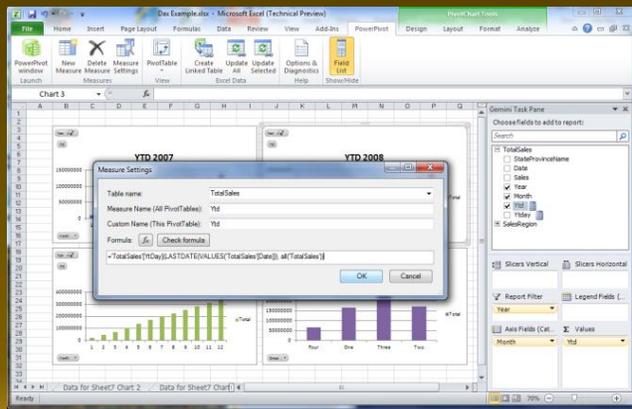
Pivot

Calc.
Data

Compose

Monitoring Usage

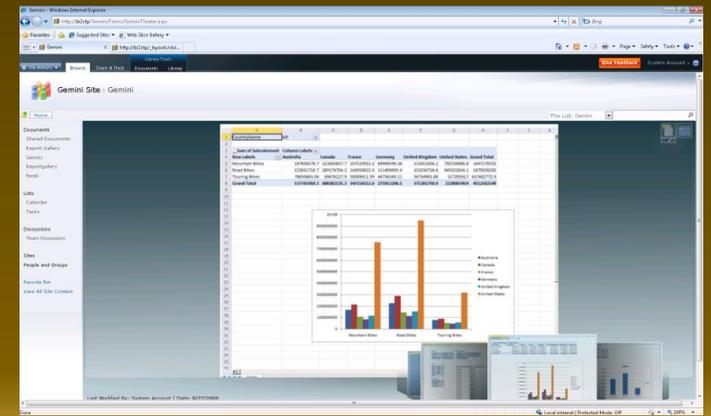




Compose

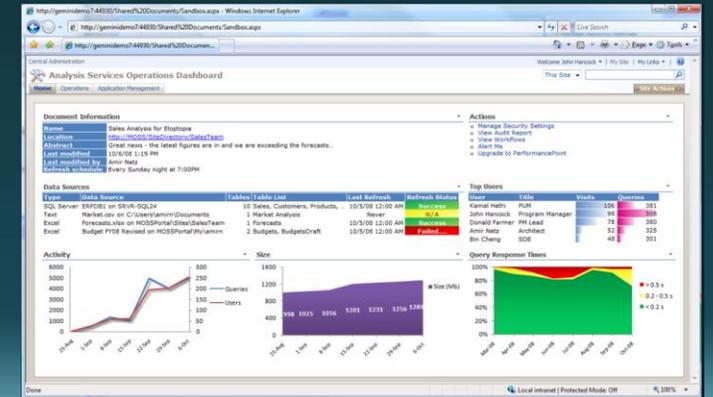
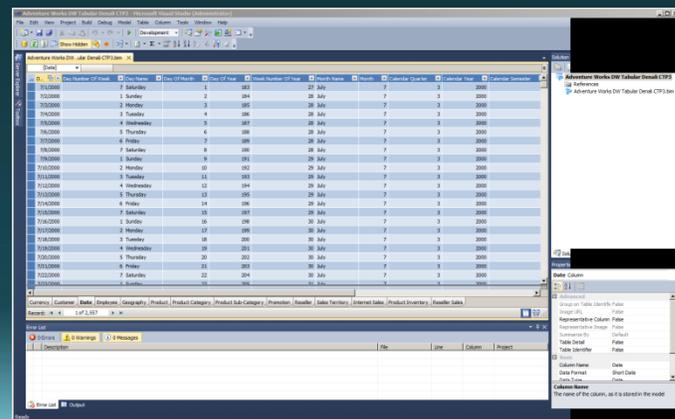


Share
Consume

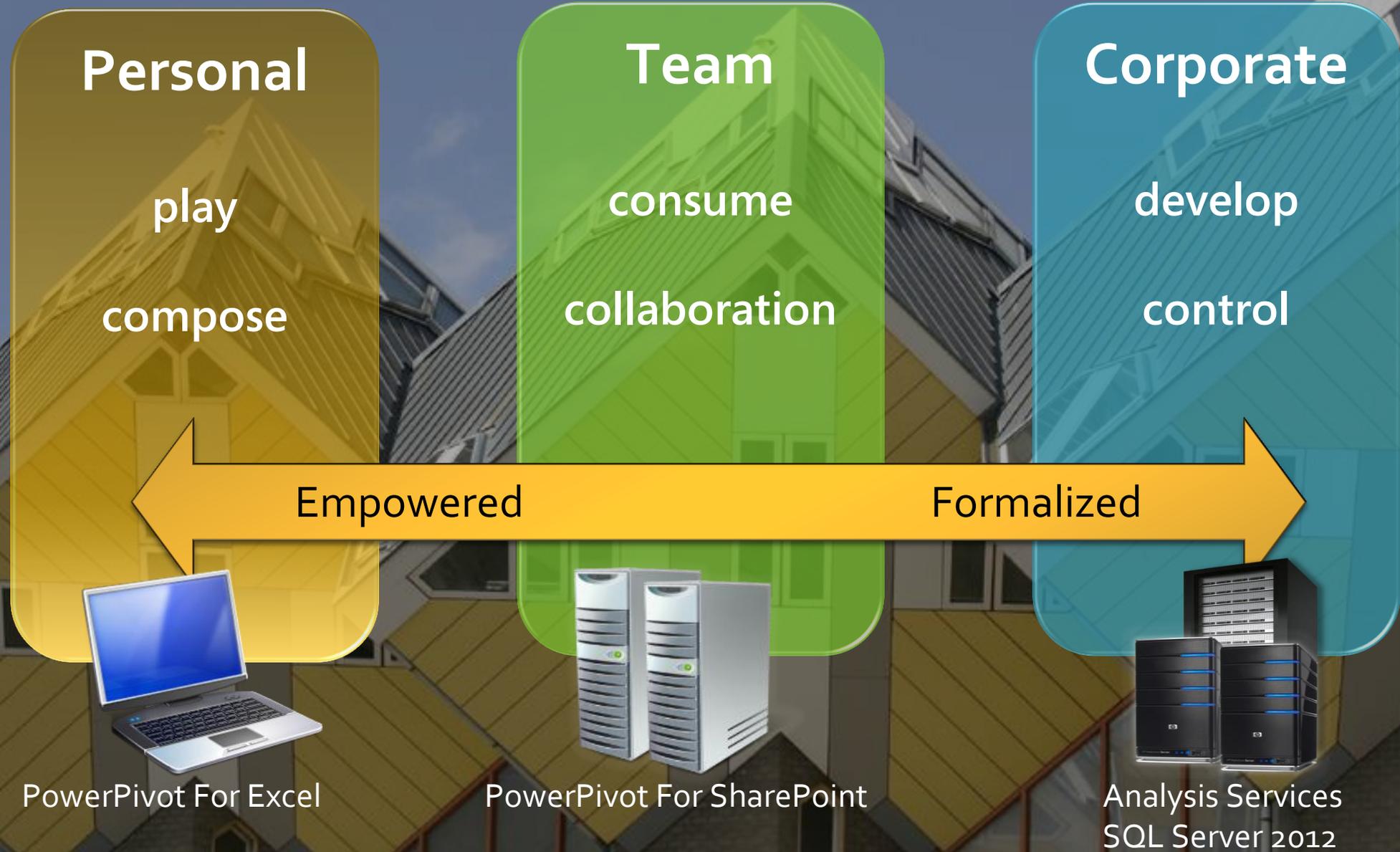


Build

Monitor



xVelocity (Vertipaq)



Analysis Service 2012

The screenshot displays the Microsoft Visual Studio interface for an Analysis Services project. The main window shows a data table with columns for date-related information. Below the table is a navigation bar with various categories like Currency, Customer, Date, Employee, etc. An Error List window is open at the bottom, showing 0 errors, 0 warnings, and 0 messages. On the right side, the Solution Explorer shows the project structure, and the Properties window is open for the selected 'Date' column, showing advanced and basic properties.

[Date]	Day Number Of Week	Day Name	Day Of Month	Day Of Year	Week Number Of Year	Month Name	Month	Calendar Quarter	Calendar Year	Calendar Semester
7/1/2000	7	Saturday	1	183	27	July	7	3	2000	
7/2/2000	1	Sunday	2	184	28	July	7	3	2000	
7/3/2000	2	Monday	3	185	28	July	7	3	2000	
7/4/2000	3	Tuesday	4	186	28	July	7	3	2000	
7/5/2000	4	Wednesday	5	187	28	July	7	3	2000	
7/6/2000	5	Thursday	6	188	28	July	7	3	2000	
7/7/2000	6	Friday	7	189	28	July	7	3	2000	
7/8/2000	7	Saturday	8	190	28	July	7	3	2000	
7/9/2000	1	Sunday	9	191	29	July	7	3	2000	
7/10/2000	2	Monday	10	192	29	July	7	3	2000	
7/11/2000	3	Tuesday	11	193	29	July	7	3	2000	
7/12/2000	4	Wednesday	12	194	29	July	7	3	2000	
7/13/2000	5	Thursday	13	195	29	July	7	3	2000	
7/14/2000	6	Friday	14	196	29	July	7	3	2000	
7/15/2000	7	Saturday	15	197	29	July	7	3	2000	
7/16/2000	1	Sunday	16	198	30	July	7	3	2000	
7/17/2000	2	Monday	17	199	30	July	7	3	2000	
7/18/2000	3	Tuesday	18	200	30	July	7	3	2000	
7/19/2000	4	Wednesday	19	201	30	July	7	3	2000	
7/20/2000	5	Thursday	20	202	30	July	7	3	2000	
7/21/2000	6	Friday	21	203	30	July	7	3	2000	
7/22/2000	7	Saturday	22	204	30	July	7	3	2000	
7/23/2000	1	Sunday	23	205	31	July	7	3	2000	

Record: 1 of 2,557

Error List: 0 Errors, 0 Warnings, 0 Messages

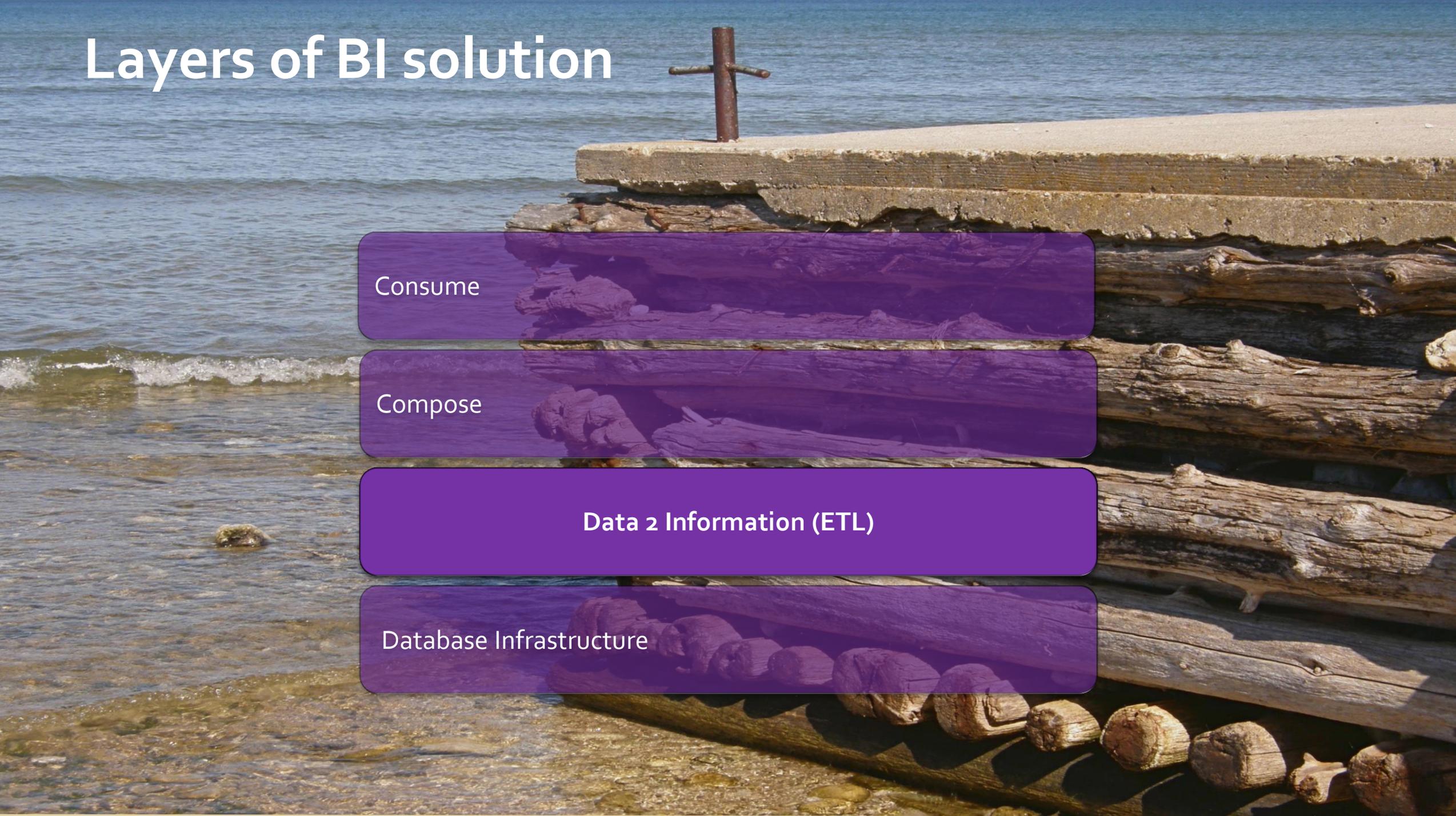
Properties for Date Column:

- Group on Table Identify: False
- Image URL: False
- Representative Column: False
- Representative Image: False
- Summarize By: Default
- Table Detail: False
- Table Identifier: False
- Column Name: Date
- Data Format: Short Date
- Data Type: Date

Column Name: The name of the column, as it is stored in the model

Compose

Layers of BI solution

The background of the slide is a photograph of a beach. In the foreground, there is a concrete pier structure with a metal post on top. The pier is built on a pile of weathered driftwood logs. The ocean is visible in the background, with gentle waves washing onto the sandy beach.

Consume

Compose

Data 2 Information (ETL)

Database Infrastructure

Microsoft Information Platform

END USER EXPERIENCE

 Microsoft®
Office

BUSINESS PRODUCTIVITY INFRASTRUCTURE

 Microsoft®
SharePoint

DATA INFRASTRUCTURE & BI PLATFORM

 Microsoft®
SQL Server



Microsoft[®]

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