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Installation and start

Installation

Files extraction:

Extract the content of **install_dd_<numversion>_64.zip** into the folder of your choice.

You can use the freeware <u>7zip</u>.

DigDash Enterprise is now installed on your computer.

Please note that DigDash Enterprise is usually installed on a distant server which allows to share contents between users.



Startup

Open your installation directory, then double-click on the file **StartDigDash.exe**.

Click on "Start".

The first start can take several minutes. The green icon will keep blinking until the server is completely started. The message "The server is started" will appear.





Startup

When the DigDash Enterprise server is ready, click on "Execute".

A menu appears with shortcuts to:

- **Studio** : a dedicated tool to create charts
- **Dashboard editor :** a web interface to create pages with your charts
- Administration: the home page to all administration pages



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Create the data model "telecom"

Create the data model "telecom"

<u>Objective</u> : Import into **DigDash Enterprise** the Excel file "telecomen.xls" (included) which represents the data of a (fictive) telecommunication company. Enhance this raw source and build a data model to create relevant graphics.

This data model will be used by several charts.

Click on "**Chart creation (Studio)**" in the application StartDigDash.exe.

In the login dialog, fill in the user and password fields with *admin* and *admin*.





Locate the toolbar at the bottom of the main window and click on the "Data sources" tab, then "Files" and "Excel".



The window Search remote files appears:

- Click on Select at the top then choose the documents server "Common Datasources".
- Click "Add a file to the server...". The window Select local file or URL appears.

Search remote files		÷ ×
Servers Server: Common Datasources		Select
Files		MDB {;}
Name	Size Date	Type
Add a file to the server		More >>
		OK Cancel

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Select **Choose a local file** then click on **Browse** to select the file «telecomen.xls» which can be found in the folder **documentation\en\sample** of your installation directory.

Click OK.

🂐 Select loc		×
~	al file from your hard drive, from the Web or from a remote docur local file:	ment server.
File:		Browse
○ Enter a U	RL:	0
URL:	http://	Test
Name:		
Only	add the URL link to the Documents server	
	Custom HTTP Headers	
○ Create a	new link:	0
Link:		Browse
Name:		
	OK	Cancel

- The file is now saved on the DigDash server and accessible to all users.
- NB : if you use the documents server "UserDocs", you will be the only one who can access the document.

In the window **Search remote files**, select "telecomen.xls" then click **OK**.

Search remote files			>
Servers			
Server: Common Datasources			Select
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Name	Size	Date	Туре
telecomen.xls	283 Kb	09/25/2017 04:10 PM	1 xls
👔 Add a file to the server			More >>
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The window Load data from an Excel spreadsheet appears.

Check the boxes:

- First row as header
- Disable empty columns

File and worksheet									
File: teleco	omen.xls								Select
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- Click Add ... to the right of **Disable** empty columns.
- The window **Edit filter rule** is displayed.
- Leave the default values (**Date** in the first drop-down list and **is not empty** in the second drop-down list)
- Click OK then Next.
- Name the data model « telecom »

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Next objectives:

- Create a manual hierarchy of departments within the organization.
- Create an automatic hierarchy on phone hardware.
- Create a target on communication costs
- Create a calculated measure
 « Euro Dollar cost » which varies according to the € / \$ exchange rate



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Creating a manual hierarchy

- Select **Department**, click **Add** in the **hierarchies** panel and select **Manual grouping**.
- The window **Group editor** appears.

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The default hierarchy name is **Group 0**. Rename it to **Type of service**.

- The first level called **Level 0** contains all the column values. Rename it to **Function**.
- To create groups in this level, click **Add...** on the bottom left corner.

Group editor					
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urrent level:	Name: Function				
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			🗸 IT	(Other)	1
			🗹 Legal	(Other)	1
			Management	(Other)	1
			Marketing	(Other)	1
			Production	(Other)	1
			✓ Purchasing	(Other)	1
			✓ R&D	(Other)	1
			Sales	(Other)	1
Add Remo	Sort: Inherited from V Ascence	tinα ∨			
, loom					10010
					OK Can

The window **Group name** appears. Type **Sales** and do the same with **Management**, **Production** and **Administration**.

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urrent level:	Name:	Function				
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Assign members to groups.

Select Administration then check the boxes IT, Legal et Purchasing in the right panel.

Do the same for :

- Management: Finance, HR and Management
- Production: Production and R&D
- Sales : Marketing and Sales

lentifier:	Type of service				🎁 Ed
omplete path:	Function				Add level Remove le
urrent level:	Name: Function Identifier: Function				背 Ed
Level definitior	1 left column, create new groups for the sel st includes all the non assigned members.	ected level and assign me	mbers from the right column to the	em.	
Group Other Administra Manageme Production Sales	ent	Count 0 3 3 2 2 2	Member Finance HR IT Legal Management Marketing Production Purchasing R&D Sales	Group (Management) (Management) (Administration) (Administration) (Gales) (Production) (Administration) (Production) (Sales)	Coun 1 1 1 1 1 1 1 1 1 1 1
Add Remo	we Sort: Inherited	from ~ Ascending ~		* 1 / 1 *	▼ To

- Add a second level and name it **Activity**.
- Add two groups **Main** and **Support** with the following members:
- Main
 - Sales, Production
- Support
 - Management, Administration
- Click **OK** to save your hierarchy levels.





Objective: create an automatic hierarchy

Select Phone Hardware then click Add in the Hierarchies panel and select Automatic grouping.

Date 0 • Dimension (time) Date J J Date Catagory None Area 1 Oimension (tipe), Area J J HR HR Department 2 • Dimension Type of line J J HR Phone hardware 4 • Dimension Phone hardware J J Category Number Number Iterachtes: Iterachtes: Duration 6 • Messare Date Number Catt 7 • Messare Quality Number Quality 8 • Messare Quality Number	ame: telecom										
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The window Group editor appears.

The default group name is **Groupe 0**, rename it to Material type.

🌔 Group editor		×
Select differe	allows you to build a grouping hierarchy based on other dimensions from your o ent group levels, starting from the highest to the lowest level of details. y / Region / Country / Continent	lata model.
Group:	Material type	背 Edit
Current level:		🖷 Edit
Complete path:	Phone hardware /	
Advanced	 Following advanced options allow you to modify the generated hierarchy, b handling undefined groups by renaming, ignoring them or balancing hiera preventing members to have more than one parent group (simplify hierarch) 	rchy,
	Undefined groups options	
	Rename undefined groups	
	Other	蹐 Edit
	O Handle un-balanced hierarchy	
	O Ignore undefined groups	
	Simplify hierarchy	
	OK	Cancel

- The complete path is displayed in the **Complete path** fields.
- Each hierarchical level is separated by *I*.
- **Phone hardware** is the first level of the hierarchy.
- Open the drop-down list on the second level and select **Type of line**.

Click OK to save.

🌒 Group editor

? This window allows you to build a grouping hierarchy based on other dimensions from your data model. Select different group levels, starting from the highest to the lowest level of details. Example: City / Region / Country / Continent

Group:	Material type 💦 Edit
Current level:	Type of line
Complete path:	Phone hardware / Type of line v / v
Advanced	 Pollowing advanced options allow you to modify the generated hierarchy, by either: handling undefined groups by renaming, ignoring them or balancing hierarchy, preventing members to have more than one parent group (simplify hierarchy). Undefined groups options Rename undefined groups
	Other The Edit
	 ○ Handle un-balanced hierarchy ○ Ignore undefined groups ☑ Simplify hierarchy
	OK Cancel

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Create a new target OŤ 21000€ the Cost on То reach the measure. target the has cost to decrease.

Select the measure **Cost** then click on **Add...** in the **Target** panel.

Data source advanced configuration o × Data Source Name Name: telecom Identifier: 6e94120ddad7f24e9febed2ab100118d The properties of the columns have been assigned automatically. You can change these properties and group data for each column. Columns Properties 4 – 7 G Type Measur Column Id N Format #Col Type Display name (en) Hidden **Filters** har Attribute 👸 Edit. Identifier Cost Dimension (time) Date 0 Date ✓ Date 1 CHR Area Dimension (geogra... Area HR Category: None 7 Edit., App Dimension Department Department HR Number (Number ~ Edit. Type of line Dimension Type of line Phone hardware Dimension Phone hardware HR Aggregation Cost per minute Measure Cost per minute Numbe Duration Measure Duration Number Trend Cost Measure Cost Number Targets Measure Quality Quality Numbe Derived measure: Add., . Edit., Remove Variables Description Revisions Refresh Indexing dimensions Advanced ₩English •

< Previous Next > Finish Cancel

Name the target **Decreasing cost**.

In the **Type of target** drop-down list select **Decreasing**.

In the **Type** drop-down list select **Allocation** then fill in the value **21000**.

Click **OK** to save your target.

Target definition ×								×		
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Type of tar	get: Dec	reasing \vee								
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Zone 0	Min	10	Percent	✓ Max	+00	Percent	\sim	Color 🝷	+ 🗊	ß
	Source Type: Allocation ~									
Target:	21000									
Date								^		
Depar	Department Automatic V							*		
								<u>Ignor</u> OK	_	ancel

- Creating a Euro/Dollar conversion variable.
- Click Variables then Add a variable...
- In the window **Variable** fill in the following fields:
- Name: Euro Dollar
- Default value: 1.4
- Minimum: 0.6
- Maximum: 2
- Increment: 0.01



<u>Create a calculated measure</u> which changes the Cost based on the exchange rate €/\$.

Click Add...

The window **Derived measure** appears.

Data Source Name											
Name: telecom											
dentifier: 2ec0a49c6bdf	e02c428187d2171d26	71									
Journes Column Id Date Date Department Oppartment Type of line Phone hardware Cost per minute Duration Cost Quality	#Col 0 1 2 3 4 5 6 7 8	Type Type Type	Display name (en) Date	and group data for 4	Filters bar ✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓ ✓	N Format V Date 1 V V V V V Number Number Number Number Number	 के न हैं। G Attributes Critic HR 	Hierarchies	Filters bar VN us dimension bot level	GMT GMT Avigation Ascending	Ap Ec Ap Ec A Edi Rem dvanc
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- Name the new measure Euro Dollar Cost.
- Click Add measure and select Cost.
- Type ***1.4/** and add the variable **Euro Dollar**.

Derived measure					
? ▼ Create a new measure derived	from existing measures and dimensions.				
Measure name: Euro Dollar cost					
Formula:					
Cost(sum) *1.4/Euro Dollar	$^{\wedge}$ Add measure $^{\vee}$				
	Add dimension \sim				
	 Add a variable 				
	✓ Add a library				
✓ Compute after aggregation					
	OK Cancel				



- The data model "telecom" is now ready.
- Click **Finish** then **Ignore** in the window **Add a comment on the modification.**
- Don't close the next window as we will use it.

ata Source Name										
ame: telecom										
lentifier: 2ec0a49c6bdf	fe02c428187d2171d267	71								
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Chart creation: "Cost by Type of service"

Chart creation: "Cost by Type of service"

<u>Objective</u>: display a bar chart showing the **Cost by type of service**. The user can navigate through the **Type of service** hierarchy.

After saving the data model, choose **Create a new chart**, then choose **Bar chart**.

Data source created
What do you want to do with this new datasource?
Create a new chart
Open the data source manager
Close

Visualization	configuratior	ı									- 0	×
/isualization ty	pe											
🕜 A bar cha	nt is used to o	compare items.										
Compare												
		₹\$¢	8 <mark>ariti</mark>		0					Ī	Ph.	
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\$ 775	\$ 77,	\$	KEYWORD		33							
Map chart	Flow map	Map - Graphi		Gantt	D3 - Graphic	Infographi	:s					
											ОК С	ancel

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- Drag & drop the **Cost** measure on the **stacking axis**.
- Drag & drop the Department dimension on the bar axis.
- Click Interaction in the Parameters panel.



Select Action:Navigate on hierarchy.

Select the axis **Bar**, which will be used for the navigation.

Click OK to save.

Visualization parameters			>
🛋 Display Fonts 📑 Interaction 🍸 Filters 🔚 Scale	es 🍠 Labels <u>k</u> Styles 💼 Spec. features		
Actions Action: Navigate on hierarchy ~ Axis Function to execute on root level (optional):	: Bar v	요 V Add keyw	vord
Filters on dimensions Check the dimensions to activate interactive filters. Three states are possible: box checked (enabled), unche	ecked (disabled) and full box (inherit from data model).	
Available dimensions	Filters bar (Check all)	Navigation (Check all)	~
Area			
Date			
Department			
Phone hardware			
Type of line		•	
		OK	Cancel

Now you can navigate through your data along the Department axis.

Click **OK** to validate the configuration.



- Rename the new chart to Communication cost by type of service.
- Click **OK** to validate. The chart is now saved into your wallet.

🌒 Chart		×
Properties Schedule Devices	Advanced	
Name:	Communication cost by t	type of service 🎁 Edit
Identifier:	bcbed8ba	
Category:		~ 🎢 Edit 💡
Export name:		
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Data source		Visualization
First step: select a data source	re.	Second step: if a data source is selected, you can configure its visualization
telecom	Edit 🝷 Select	Bar chart Axes editor Axes editor
		OK Cancel



Synchronization

When a graph appears in bold in the wallet, it means that its configuration has changed. It is then necessary to update the data for the dashboard.

Right-click the graph, and then click **Synchronize**.




Chart creation: "Communication cost by area"

Chart creation: "Communication cost by area"

Objective : Create a map showing the communication cost by continent. Users can navigate through the geographic axis from continents to regions level when displaying the dashboard.

This chart uses the "telecom" data model previously created.





Step 1: Select an existing data model

Click on the **Chart** tab in the edition panel at the bottom of your screen then **Miscellaneous** and select **Map chart**.

Select the data model **telecom** previously created.

The window **Visualization configuration** is displayed.



🕭 Datasource model man	iager						—		×
admin									
About shared data sour	ces								
Data sources may Editing or remov	y be shared between d ing a shared data sour	ifferent flows, groups ce will alter all flows t	s and users. that use it.						
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							Analysis Too		
							<u> </u>		
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- Drag & drop the measure Cost on Measure axis.
- Drag & drop the dimension Area on Geography axis.



Click on the Interaction button.

Select Action:Navigate on hierarchy.

Select Geography as Axis.

Click on **OK** to save.

Click on "Europe" and "France" to display the cost details for this area.

Click on **OK** to save your visualization.



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Rename the chart **Communication cost by area**.

Click OK.

Your map chart **Communication cost by area** is added to your wallet.





Chart creation: "Cost reduction target"

Chart creation: "Cost reduction target"

<u>Objective</u> : your management wants to monitor the communication cost and set a target to achieve. Create a gauge showing that target and the actual communication cost.

This chart uses the telecom data model previously created.



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Step 1: Select an existing data model

Create a **gauge** chart (in the **performance** category) using the "telecom" data model.

🐮 Enterprise Studio (admin@ddenterpriseapi:http://loc	alhost:8080)								o ×
le Edit View Flow Tools Help									
😇 Wallet 🌼 Datasource model 📲 Status									
► - 🏟 🏊 🗸 🍿 🎼 -	٩	0						DIG	DV2H
🔳 💷 admin	Status Dat	e	Schedule 09/26/2017 08:00 PM	Flow type	Owner	Follow Up	Attributes	Devices	Visualizat
 Communication cost by type of service Communication cost by area 		26/2017 11:42 AM 26/2017 12:04 PM	With wallet With wallet	Bar chart (telecom) Map chart (telecom)	admin admin	ß		DashBoard DashBoard	
Data sources 🚫 Charts 📑 Flows									•
🕇 Favorites 📲 Compare 🏢 Tables 💁 Performanc	e Miscellaneous								
	X								
Gauge Indicator Progress bar Energy bars	Arrow indicator								

- Drag & drop the **Cost** measure in the measure panel and select the **Decreasing cost** target.
- Click on OK to save, then rename your gauge **Cost reduction** *target*.
- Click on **OK**, your gauge is now added to your wallet.







Chart creation: "Simulation Euro Dollar"

Chart creation: "Simulation Euro Dollar"

<u>Objective</u> : show the impact of Euro/Dollar change on the ⁵ communication cost.

This chart uses the "telecom" data model previously created.



Step 1: Select an existing data model

- Create a line chart (Lines in the Compare category).
- The window **Datasource model manager** appears. Select "**telecom**" and click **OK**.



- Drag & drop the measures
 Cost and Euro Dollar Cost on the Lines axis.
- Drag & drop the dimension
 Date on the Abscissa axis.
 Right-click on Date and
 choose the Month Year
 hierarchy at the level Year.



Click on Interaction.

In the Action drop-down list, select Navigate on hierarchy, then select Axis Abscissa.

Click OK to close the Visualization parameters window then OK to close Visualization configuration.

Visualization configuration				— 🗆 X
Visualization type	Refresh Visualiz	ation model Parameters		
Lines 🧩 A line chart allows you to compare several trends of data.	Select Refresh - Appl		action Filters Scales Labels Styles St	ec. features
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	Display Fonts Theraction Filters Scale	s 🌾 Labels <u>k</u> Styles 🕋 Spec. features		
		Abscissa ~		÷ •
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Euro Dollar cost	(optional):			
	Filters on dimensions Check the dimensions to activate interactive filters.			
	Three states are possible: box checked (enabled), unche	cked (disabled) and full box (inherit from data model).		
	Available dimensions	Filters bar (Check all)	Navigation (Check all)	
	Area		-	
	Date Department	:		
	Phone hardware			
Available dimensions (A)	Type of line			
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🌖 Date 🦾				
Department				
Phone hardware			2	,
Type of line				2017
				U 😯
			OK Cancel	
				OK Cancel



Rename the chart to **Simulation Euro Dollar**.

Click OK to close the Chart window.

The chart **Simulation Euro Dollar** is added to your wallet.

🇶 Chart			×
Properties General	Schedule Device	s Advanced	
	Name:	Simulation Euro Dollar	🎁 Edit
	Identifier:	96a22344	
	Category:		✓ 🎢 Edit 😮
	Export name:		
	Description:		🕆 Edit
Data sou	rce		Visualization
First step	select a data source	re.	Second step: if a data source is selected, you can configure its visualization
telecom	I	Edit 🝷 Select	Lines Axes editor Axes advanced
			OK Cancel





Data model creation: "retail"

Objective : Import into **DigDash Enterprise** the Excel file "retailen.xls" (included) which represents products sales in a fictive organization.

In the panel at the bottom of the main window select the **Data** sources tab then Files and Excel.

Name Status Date Schedule Flow type Owner Fellow Up Attributes Devices Visual > □ • Communication cost by type of service 09/26/2017 11:42 AM With wallet Mag chart felecom) admin DashBoard > □ • Communication cost by area 09/26/2017 12:04 PM With wallet Mag chart felecom) admin DashBoard > □ • Communication cost by area 09/26/2017 12:04 PM With wallet Gauge (telecom) admin DashBoard > □ • Cost deduction target 09/26/2017 03:35 PM With wallet Gauge (telecom) admin DashBoard > □ • Cost deduction target 09/26/2017 03:36 PM With wallet Lines (telecom) admin DashBoard > □ • Cost deduction target 09/26/2017 03:08 PM With wallet Lines (telecom) admin DashBoard > □ • Cost deduction target 09/26/2017 03:08 PM With wallet Lines (telecom) admin DashBoard	🕨 + 🏩 🐟 🗸 🍿 🎉 +		۹ 🕜							
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The window Search remote files appears:

- Click on Select at the top then choose the documents server "Common Datasources".
- Click "Add a file to the server...". The window Select local file or URL appears.

Search remote files			×
Servers			
Server: Common Datasources			Select
Files			
Filter			
H HHH		Ħ Ħ	B JSON
			🔍 Search
Name	Size	Date	Туре
telecomen.xls	283 Kb	09/25/2017 04:50 PM	xls
C Add a file to the server			More >>
			OK Cancel

Leverage your data, boost your performance

Select **Choose a local file** then click on **Browse** to select the file "retailen.xls» which can be found in the folder **documentation\en\sample** of your installation directory.

Click OK.

👂 Select I	ocal file or URL	×
	local file from your hard drive, from the Web or from a remote docur a local file:	nent server.
File:	np\install_dd_20170911_64\documentation\en\sample\retailen.xls	Browse
◯ Enter a	URL:	0
URL:	http://	Test
Nam	e:	
0	nly add the URL link to the Documents server	
	Custom HTTP Headers	
⊖ Create	a new link:	0
Link:		Browse
Nam	e:	
	ОК	Cancel

- The file is now saved on the DigDash server and accessible to all users.
- NB : if you select the documents server "UserDocs », you will be the only one who can access the document.

In the window **Search remote files**, select "retailen.xls" then click **OK**.

rver: Common Datasources			Select
les Filter			
###			B {;} JSON
Name	Size	Date	Q Search
retailen.xls	431 Kb	09/26/2017 03:28 PM	xls
elecomen.xls	283 Kb	09/25/2017 04:50 PM	xls
			Ν
			2



The window Load data from an Excel spreadsheet appears.

Check the boxes:

- First row as header
- Disable empty columns

	t							
File: retai	len.xls							Select
Worksheet Shee	t1 ~							Reloa
ata selection								
Skip rows from h	ead: 0	÷ Lines must r	match all 🗸 Next	t rules:				
First row as he	ader							
Maximum nur	mber of rows: 0							
Advanced								
		Disable e	mpty columns					Add Edit Remov
Preview								
		1000						Number of rows: > 10
		1000 🖨 Add empt	-	-				
Ø Date		-	 Product Family 		🚽 🥑 Number of iter	_	🚽 🕑 Margin	🗸 🥑 Trend 🗸
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9/1/10	otan		e concert		-		100000	15,2
	California	Photo	Wine	12	25	300	14,6	23,8
11/1/13				12 3	-	300 105		
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11/1/13 4/1/15 5/1/14	California Colombie-Britanni	Photo Salads and crudité	Wine Entry	3	25 35	105	14,6 8,2	23,8 -1,7
11/1/13 4/1/15 5/1/14 6/1/13	California Colombie-Britanni Virginia	Photo Salads and crudité GPS, Equipment	Wine Entry Wine	3 3	25 35 30	105 90	14,6 8,2 3,9	23,8 -1,7 71,1
11/1/13 4/1/15 5/1/14 6/1/13 7/1/12	California Colombie-Britanni Virginia Mississippi	Photo Salads and crudité GPS, Equipment Theatres	Wine Entry Wine Tickets	3 3 15	25 35 30 45	105 90 675	14,6 8,2 3,9 5,2	23,8 -1,7 71,1 -15,8
11/1/13 4/1/15 5/1/14 6/1/13 7/1/12 4/1/13	California Colombie-Britanni Virginia Mississippi Arkansas	Photo Salads and crudité GPS, Equipment Theatres Festivals	Wine Entry Wine Tickets Tickets	3 3 15 20	25 35 30 45 45	105 90 675 900	14,6 8,2 3,9 5,2 11,2	23,8 -1,7 71,1 -15,8 -41,1
11/1/13 4/1/15 5/1/14 6/1/13 7/1/12 4/1/13 11/1/12	California Colombie-Britanni Virginia Mississippi Arkansas Maryland	Photo Salads and crudité GPS, Equipment Theatres Festivals Specialties beefi	Wine Entry Wine Tickets Tickets Wine	3 3 15 20 15	25 35 30 45 45 35	105 90 675 900 525	14,6 8,2 3,9 5,2 11,2 7,7	23,8 -1,7 71,1 -15,8 -41,1 -57,4
9/1/13 11/1/13 5/1/14 6/1/13 7/1/12 4/1/13 11/1/12 7/1/15 7/1/14	California Colombie-Britanni Virginia Mississippi Arkansas Maryland Connecticut	Photo Salads and crudité GPS, Equipment Theatres Festivals Specialties beefi Luggage	Wine Entry Wine Tickets Tickets Wine Aperitif	3 3 15 20 15 15	25 35 30 45 45 35 30	105 90 675 900 525 450	14,6 8,2 3,9 5,2 11,2 7,7 2,8	23,8 -1,7 71,1 -15,8 -41,1 -57,4 -45,2
11/1/13 4/1/15 5/1/14 6/1/13 7/1/12 4/1/13 11/1/12 7/1/15	California Colombie-Britanni Virginia Mississippi Arkansas Maryland Connecticut Picardie Pays de la Loire	Photo Salads and crudité GPS, Equipment Theatres Festivals Specialties beefi Luggage Cooked ham	Wine Entry Wine Tickets Tickets Wine Aperitif Deli Aperitif	3 15 20 15 15 12	25 35 30 45 45 35 30 70	105 90 675 900 525 450 840	14,6 8,2 3,9 5,2 11,2 7,7 2,8 6,6	23,8 -1,7 71,1 -15,8 -41,1 -57,4 -45,2 38,9

- Click Add... to the right of Disable empty columns.
- The window **Edit filter rule** is displayed.
- Leave the default values (**Date** in the first drop-down list and **is not empty** in the second drop-down list)

Click OK then Next.

load data from an Excel spreadsheet								□ ×
File and worksheet								
File: retailen.xls								Select
Worksheet Sheet1 \vee							•	Reload
Data selection								
Skip rows from head: 0	÷ Lines must	match all Vext	rules:					
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Maximum number of rows: 0	-	dit filter rule			×			
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		t line when:	· · · · · · · · · · · · · · · · · · ·	~			Add Edit	Kemove
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🥑 Date 🚽 🕑 Store Area 🚽	0.0.1.1	and the value in suva	Sentre		OK Cancel	🚽 🕑 Margin	🗸 🥑 Trend	^
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11/1/13 California	Photo	Wine	12	25	300	14,6	23,8	
4/1/15 Colombie-Britanni	Salads and crudité	Entry	3	35	105	8,2	-1,7	
5/1/14 Virginia	GPS, Equipment	Wine	3	30	90	3,9	71,1	
6/1/13 Mississippi	Theatres	Tickets	15	45	675	5,2	-15,8	
7/1/12 Arkansas	Festivals	Tickets	20	45	900	11,2	-41,1	
4/1/13 Maryland	Specialties beefi	Wine	15	35	525	7,7	-57,4	
11/1/12 Connecticut	Luggage	Aperitif	15	30	450	2,8	-45,2	
7/1/15 Picardie	Cooked ham	Deli	12	70	840	6,6	38,9	
7/1/14 Pays de la Loire	Scooter	Aperitif	11	45	495	12,1	9,8	
4/1/12 Champagne-Arden	Reader-recorder D	Wine	20	15	300	13,6	-32,4	~
<								>
						< Previous	Next > Finish	Cancel



Step 2: Configure the data model

Select « Store area » column and rename its identifier to « Area » (so that is can be linked to the Area column in telecom data model)

Rename the data model "retail".

Click on **Finish** to save the data model, then **Create a new chart.**

ata Source Name										
ame: retail										
lentifier: 4124728c975ff73afa1f8fb4dd3cc06b										
 The properties of the columns have been assigned autor 	matically. You	can change these pro	perties and group data for	each co	olumi	n.				
plumns								Properties		
					٩	. -	- 👖 🖸	Туре:	Dimension (ge	ographic) 🗸
Column Id	#	Туре	Display name (en)	н	Fi	N F	A	Identifier:	Area	📲 Edit
Date	0	🌍 Dimension (ti	Date		√	√ D	C			
Store Area	1	Dimension (ge			√	\checkmark	HR	Category:	ne 🗸 背 E	dit Apply
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Unit price	4	Measure	Unit price			N		Hierarchies:		
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Customer satisfaction	10	🌻 Measure	Customer satisfaction			N				Remove
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escription Revisions Refresh Indexing dimensions Advan	ced									
Refisions Refeat indexing amensions Pavan	ccu									
English 👻										



Chart creation: "Top 3 products"

Chart creation: "Top 3 products revenue"

- Objective : create a cross table showing the 3 best material revenue. Show the revenue trend and Margin goal as icon.
- Your cross table use the "retail" data model.

	Area		Veal			Scooter		Theatres				
	Area	Sales	Target margin	Trend	Sales	Target margin	Trend	Sales	Target margin	Trend		
,	Mississippi		•		1 500	•		1 515	•			
	Pays de la Loire		•	0	795	•	•	150	•			
	Missouri		•	0	165	•	•		0			
	Manitoba	1 740	٠	A	375	٠		2 285	•	•		
	Tennessee	1 500	٠	A	2 035	٠		275	▼	•		
	Northwest Territories							1 440	•	•		
	Northern Ireland	50	٠		1 480	•	•	315	▼			
	Michigan		•		405	•	•			•		
	Alabama	225	•	•	585	•				•		
	Maine	120	٠	•	1 105	•	▼	1 740	▼			
	Indiana	180	٠	▼	1 020	٠		540	٠			
	Wisconsin	600	•	▼	630	٠			•	•		
	New York		•			•		430	•			

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Visualization configuration

Row 1

💙 Area

Create a **Cross table** chart, then add two columns and drop in:

Column 1 : Product

Column 2 : Sales, Target Margin and Trend

Line 1 : Area and remove the hierarchy.

Right click **Target Margin** and select a new format : "**Target (Icon)**". Do the same with **Trend** and the format "**Trend (Icon)**".

Column 1	- + 🜣	Column 2 🛛 🗕 🕂 🔅
Product		🌼 Sales
		🌻 Target margin
		😑 Trend

Area -	Pies	Photo	Salads an…	GPS, Equi	Theatres	Festivals	Specialtie	1
	Sales	Sales	Sales	Sales	Sales	Sales	Sales	
Utah	970		1 900					
California	480	540	200			360	690	
Colombie-Britann	105		1 440	315	605	55		
Virginia	45			90		980	1 260	
Mississippi			110		1 515			
Arkansas	50	795		405		900		
Maryland			325	715	375		1 425	
Connecticut			210	240		600	150	
<								>

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Visualization configuration

Click the star wheel in the upper right corner of "Column 1".

Show the 3 best products sales and apply an ascending sort.

Column 1	- + 🔿	Column 2	- + 🜼
💙 Product	•	Properties	
		Cycle colors	3
	_	- Inclid	

🕽 Axis param	eters					>
Axis paramete	ers					
Measure	Sales	~ 🔍 T	`op ∨ 3	÷ 🗆	Group others	
		0	Vinimum:		Maximum:	
Sort: Me	asure sort	× Ascen	iding ~ Sale	; ~		
Add the c	overall value	Add at end	Text :		 Add keyword 	Aggregation: Natural 🗸
Members se	parator: -	Hide m	easure label			
						OK Cance

Close the Visualization configuration window and rename the chart "Top 3 products".



Visualization configuration

Area	Veal			Scooter			Theatres		
	Sales	Target margin	Trend	Sales	Target margin	Trend	Sales	Target margin	Trend
Mississippi			•	1 500	▼		1 515	•	
Pays de la Loire		•	•	795	▼	•	150	•	
Missouri			•	165	•	•			•
Manitoba	1 740	۲		375	•		2 285	•	▼
Tennessee	1 500	٠		2 035	•		275	•	•
Northwest Territories			•		•		1 440	•	•
Northern Ireland	50	۲		1 480	•	•	315	•	
Michigan			•	405	•	•		•	•
Alabama	225	•	▼	585	•				•
Maine	120	•	▼	1 105	•	•	1 740	•	
Indiana	180	•	•	1 020	•		540	•	
Wisconsin	600	•	•	630	•				•
New York		•	0		•	0	430	٠	

Close the Visualization configuration window and rename the chart "Top 3 products".



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Dashboard creation

Go back to the application **StartDigDash.exe** and click on "**Dashboard editor**" under **Execute**.





Right-click the tab "**My Dashboard**" and change the **Display Mode** to **Columns**. This will divide the page in two areas where elements are automatically sized and positioned.



From the left side panel, drag & drop the following charts:

- Communication cost by type of service
- Communication cost by area
- Cost reduction target
- Top 3 products revenue



Create a new page and name it Simulation.



Add page

- Drag & drop in your new page the chart Simulation Euro Dollar from your wallet.
- Drag & drop the **Euro Dollar** variable from the tab Filters / Variables.
- Do the same with **Type of line**.





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Cancel

ОК

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- Open the **Additional content** in the left panel and drag & drop in your page the following elements:
- Filtered elements
- Legend

Click on at the top right corner of your screen to save your dashboard.





Click on the second icon at the top right corner to access the dashboard.



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On the first page, "My dashboard", Communication cost by area shows the communication costs for America and Europe. Click on America to display the cost by country.

Click on "**United States**" to display the **cost by state**. Other charts on your page are filtered and display their values for the "**United States**" only.





Open the page "Simulation" and move the cursor "Euro Dollar" to display the change rate effect on communication cost.





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