

SAP BusinessObjects Explorer for iPhone/iPad User Guide
Document Version: 4.1.11 - 2013-11-08

SAP BusinessObjects Explorer for iPhone/iPad User Guide

Table of Contents

1	About this guide.	3
2	Supported OS and devices.	4
3	What is SAP BusinessObjects Explorer for iPad/iPhone?.	5
4	Getting started.	6
4.1	Installing SAP BusinessObjects Explorer.	6
4.2	Using the Help.	6
4.3	Changing the application settings.	6
4.4	Accessing data.	7
4.4.1	Configuring connections on the device.	8
4.4.2	Configuring Mobile connections on the server.	9
5	SAP BusinessObjects Explorer at a glance.	11
5.1	Getting to your data.	11
5.1.1	Exploration.	12
5.1.2	Corporate.	12
5.1.3	Personal.	13
5.1.4	Search field.	13
5.2	Exploring your data.	13
5.2.1	Visualizations.	14
5.2.2	Facets.	14
5.2.3	Measures.	14
5.2.4	Augmented view.	14
5.3	Sharing your explorations.	15
6	Administering Explorer.	16
6.1	Building a custom URL.	16
6.1.1	Creating a connection using an Explorer server.	16
6.1.2	Creating a connection using an Mobile server.	17
6.1.3	Opening a bookmark.	18
6.2	Setting up the authentication mode.	19
6.3	Password policy.	20
6.4	Security protocols.	21
6.5	Valid Data Format for Augmented Views.	21

1 About this guide

This guide is intended for professionals who are on the move and want to explore and search business information to help them make effective decisions.

This guide contains information on:

- Accessing the SAP BusinessObjects Explorer application on the iPhone and iPad with a connection to a SAP BusinessObjects Explorer 4.0 FP3 server or later.

i Note

- The information presented in this guide is common to the iPhone and iPad devices. In cases where there are deviations, the content is presented under separate headings for the iPhone and iPad.
- If you are accessing the SAP BusinessObjects Explorer app with a connection to a SAP BusinessObjects Explorer 4.0 SP2 server or previous, see http://help.sap.com/businessobject/product_guides/boexpl403/en/403_SBOexplr_iPhniPad_gs_en.pdf.

2 Supported OS and devices

SAP BusinessObjects Explorer for iPad/iPhone supports the following operating systems and devices:

Device	Operating system
• iPad - all versions • iPhone - 3GS, 4, 4S, 5	• iOS 5.1 and 6.1.x

Note

- The application has been tested on iOS 7.
- If you are accessing the SAP BusinessObjects Explorer app with a connection to a SAP BusinessObjects Explorer 4.0 SP2 server or previous, see http://help.sap.com/businessobject/product_guides/boexpl403/en/403_SBOexpl_iPhniPad_gs_en.pdf.

3 What is SAP BusinessObjects Explorer for iPad/iPhone?

SAP BusinessObjects Explorer is the iPad/iPhone application you use to access and navigate through information spaces and exploration views. It is an intuitive data discovery application designed for mobile devices that helps you identify trends in your data and quickly retrieve answers to your business questions on your iPad or iPhone.

Exploration views and information spaces are created in the web version of SAP BusinessObjects Explorer and made available in SAP BusinessObjects Business Intelligence platform 4.0 FP3.

Once you have downloaded and started SAP BusinessObjects Explorer on your iPad/iPhone, you choose your connection, select an information space or exploration view, then search, view, and intuitively explore your data using an interface designed for the mobile experience.

SAP BusinessObjects Explorer allows you to navigate naturally between charts and graphs so that you experience the data directly and avoid the problems of figuring out how to use the application.

4 Getting started

4.1 Installing SAP BusinessObjects Explorer

To install SAP BusinessObjects Explorer on the iPhone/iPad, download the SAP BusinessObjects Explorer app onto your device from Apple's App Store. For detailed information on downloading and installing applications from the App Store, see the iPhone/iPad User's Guide.

4.2 Using the Help

SAP BusinessObjects Explorer for iPad/iPhone has contextual documentation to help you get the most out of the application.

On the iPad

Tap  to open the Help.

On the iPhone

Tap  when available to open the Help. When the  icon is not available, tap and hold for two seconds anywhere on the screen to open the Help.

4.3 Changing the application settings

The settings screen allows you to personalize and configure some application options.

To change the application settings, open the iPad or iPhone settings screen and look for the SAP BusinessObjects Explorer app in the list.

Setting	Disabled	Enabled
Skip login screen	When you launch the application, you are presented with the list of connections available and the demo data source.	When you launch the application, you do not see the Connections screen and the last connection used is automatically opened.

Setting	Disabled	Enabled
<i>Visible POIs (for 4.0 SP2 and before)</i>	You can choose up to 200 POIs to make visible when using the Augmented Explorer views. By default, the number of POIs is set to 10. i Note - This setting only applies when using a connection to a SAP BusinessObjects Explorer 4.0 SP2 server or previous. - When using a connection to a SAP BusinessObjects Explorer 4.0 FP3 server or later, the number of POIs is by default set to 200.	

On the iPad

Setting	Disabled	Enabled
<i>Graphite style</i>	SAP BusinessObjects Explorer uses a light grey background.	SAP BusinessObjects Explorer uses a dark grey and black background.
<i>Preload views</i>	When you launch the application, exploration views and information spaces are not preloaded. The application launches faster but the first access to each element requires a few seconds.	When you launch the application, exploration views and information spaces are preloaded. This can take some seconds the first time you launch the application but access to the content is faster.

i Note

All settings are disabled by default.

4.4 Accessing data

The following data access connections and standards are supported in this version:

- Direct connection to Explorer server
- Connection via Mobile server
- Connection to BI OnDemand

i Note

Every time the SAP BusinessObjects Explorer for iPad/iPhone app is completely closed on the device, you will need to enter your password when using a connection to BI OnDemand.

- Manual creation/deletion/update of connections

- Automatic creation of connections via Custom URL
- Enterprise, LDAP, WinAD & SAP authentication types
- SUP Encryption based on an application password
- Basic Offline Access.

i Note

- Cookie-Based SSO Authentication is not supported in this release.
- For information related to authentications, encryption, BI OnDemand and Mobile connections and others, see http://help.sap.com/businessobject/product_guides/boexir31SP5/en/410_mobiPad_user_en.pdf

Related Information

[Configuring connections on the device](#) [page 8]

[Automatically adding the Explorer connection using a custom URL](#) [page 9]

4.4.1 Configuring connections on the device

When you start SAP BusinessObjects Explorer for iPad/iPhone, the available account connections are listed on the [Connections](#) screen. These connections are configured in the Explorer server. You connect either directly to an Explorer server, or using a Mobile server.

Related Information

[Building a custom URL](#) [page 16]

[Configuring Mobile connections on the server](#) [page 9]

4.4.1.1 Managing connections

To edit or create connections on SAP BusinessObjects Explorer for iPad/iPhone, perform the following steps:

1. Start SAP BusinessObjects Explorer for iPad/iPhone.
The [Connections](#) screen displays the available connections to SAP BusinessObjects Explorer.

2. Tap .

3. Do one of the following:

- To delete a connection, tap  and tap [Delete](#) to confirm.
- To edit an existing connection, tap the connection.
- To create a new connection, tap .

The [Connection parameters](#) screen appears.

4. Enter the parameters. If you are using a Mobile server, flick the toggle button to [ON](#) to enter the URL. The toggle button is by default set to [OFF](#).
5. When you finish entering the parameters, tap [Done](#).

6. To validate the changes, tap .

- You can create multiple connections for a particular server with different user names and passwords.
- For additional information on connections to a Mobile server, see http://help.sap.com/businessobject/product_guides/boexir31SP5/en/410_mobiPad_user_en.pdf.

Related Information

[Configuring Mobile connections on the server](#) [page 9]

4.4.1.2 Automatically adding the Explorer connection using a custom URL

This feature is useful for marketing, field, and top level executives who want to create the SAP BusinessObjects Explorer connection with a few clicks without having to fill in the connection details manually.

To add the Explorer connection automatically, perform the following steps:

1. On your iPad or iPhone, tap the URL sent to you by e-mail by your administrator.
A prompt appears asking if you want to add a new connection.
2. Tap [Add Connection](#).
The [Connections](#) screen appears with all the fields populated from the custom URL.
3. Enter the password and tap [Done](#).
4. Tap .

Related Information

[Building a custom URL](#) [page 16]

4.4.2 Configuring Mobile connections on the server

The Mobile connections you create on your device must be previously configured on the server. Your administrator must perform the following steps in order to make Mobile connections available for you on the iPad or iPhone:

1. Stop the Web application server.
2. Copy the `MOBIServer.war` file from the following location:
 - `[Installation directory]\Mobile 14\Server\MOBIServer.war`
3. Paste the `MOBIServer.war` file in the following folder:
`[<Web_app_server> Home directory]\webapps`
4. Start the Web app server.

4.4.2.1 Creating a Mobile connection

Once the `MOBIServer.war` file is deployed, add the Mobile connections in the `server.properties` file located in:

```
<webapps ROOT FOLDER>\MOBIServer\WEB-INF\server.properties
```

Make a back-up of the `server.properties` file and set the following properties for each connection that you want to make available on the mobile device:

- `connections.explorer`= Name of the server.
- `<servername>.displayname`= A logical name for the connection you want to create. This name is displayed in the list of servers available on the iPad/iPhone when creating a new connection.
- `<servername>.serverURL`= URL of the server.

For example, you can add a connection to the `server.properties` file as follows:

```
connections.explorer=myServerName6600
myServerName6600.displayname=Sales and Expenses
myServerName6600.serverURL=http://myServerName6600.sap:8080/explorer/
```

5 SAP BusinessObjects Explorer at a glance

SAP BusinessObjects Explorer is the iPhone/iPad application you use to access and navigate through information spaces and exploration views. These data sets are created in the web version of SAP BusinessObjects Explorer as part of the SAP BusinessObjects Business Intelligence platform.

SAP BusinessObjects Explorer for iPad/iPhone organizes and visually presents your corporate data on your mobile device.

Note

For information on creating information spaces and exploration views, refer to the web version of SAP BusinessObjects Explorer Online Help available from the <http://help.sap.com>.

You do not need any Explorer knowledge to use SAP BusinessObjects Explorer on your iPhone/iPad, as you can access the demo data source available automatically when you download the application. If you want to access your corporate data, you need to ensure that your data administrator makes the appropriate connections available to your user profile, as you would for any application accessing your corporate data.

Once you have started SAP BusinessObjects Explorer for iPhone/iPad, you are presented with the connection to the demo data source and the connections available to your user profile. Tap one of these connections to start exploring.

Note

When used on the iPhone with a connection to a SAP BusinessObjects Explorer 4.0 SP2 server or previous, the SAP BusinessObjects Explorer application does not provide a demo data source. For information related to SAP BusinessObjects Explorer for iPhone/iPad with a connection to a SAP BusinessObjects Explorer 4.0 SP2 server or previous, see http://help.sap.com/businessobject/product_guides/boexpl403/en/403_SBOexplr_iPhniPad_gs_en.pdf

Related Information

[Getting to your data](#) [page 11]

[Exploring your data](#) [page 13]

[Administering Explorer](#) [page 16]

5.1 Getting to your data

When you start SAP BusinessObjects Explorer for iPad/iPhone you are prompted to set a password. The password must be at least eight characters in length.

You are then presented with the connections available to your user profile and the connection to the demo data source. Create a connection or tap the connection to which you want to connect.

Once you connect, you are presented with information spaces and exploration views organized in tabs and a Search field. Tap a tab, tap an information space, tap an exploration view or search for a keyword to start exploring.

Note

- When used on the iPhone with a connection to a SAP BusinessObjects Explorer 4.0 SP2 server or previous, the SAP BusinessObjects Explorer application does not provide a demo data source.
- In this version of SAP BusinessObjects Explorer, the [Corporate](#) tab is not available on the iPhone.

Related Information

[Managing connections](#) [page 8]

[Administering Explorer](#) [page 16]

[Password policy](#) [page 20]

5.1.1 Exploration

The [Exploration](#) tab  lists the Information spaces available. An information space is a set of corporate data relevant to your information needs that has been organized and presented in an easy to navigate visual format that is familiar to you. When you open an information space, one main measure is automatically selected. You can select a maximum of three measures for the data analysis.

Tap the information space you want to explore.

To refresh the list of information spaces, drag down and release.

5.1.2 Corporate

The [Corporate](#) tab  lists the exploration views available. An exploration view shows a subset of the data in an information space. Within an exploration view you can edit charts and filters. Exploration views are organized thematically within exploration view sets.

On the iPad

- Tap to open an exploration view or double-tap to see the description of the exploration view.
- To refresh an exploration view set, drag right and release.
- To refresh the complete list of exploration views, drag down and release.

On the iPhone

In this version of SAP BusinessObjects Explorer for iPad/iPhone, the [Corporate](#) tab is not available on the iPhone.

5.1.3 Personal

The [Personal views](#) tab  lists the explorations previously saved on your device. A personal view is a link (.URL) to an information space that has been saved and is available for you to explore.

- To refresh the list of personal views, drag down and release.
- To delete a personal view, swipe (left or right) to get the [Delete](#) option. Tap [Delete](#) to confirm.

To delete all the personal views saved on the device, perform the following steps:

1. In the [Connections](#) screen, tap  to switch to edit mode.
2. Tap [Delete Personal Views](#).
3. Tap [Confirm](#).

5.1.4 Search field

A keyword based search that gives you a list of possible information spaces containing information relative to your keywords. The results are ranked by their potential relevance to your search.

On the iPad

You can search for exploration views, information spaces and facets.

On the iPhone

You can search for information spaces and facets.

5.2 Exploring your data

Once you have opened an information space or an exploration view you use the same ways to explore the data in both data sets. There is no pre-defined way to explore. The data is already presented in a visual format that is easy to navigate, so you can start by tapping values in the tables and charts that interest you to get more details, or refining the exploration by adding dimensions to filter the data.

5.2.1 Visualizations

Data is presented in the chart type that is most suitable for the selected values, but you can choose from a wide variety of chart types to display your data. Comparison, Part of a whole, Geographic and Time and Series charts are available for you to choose from depending on the selected measures and dimensions.

To get more detailed information on a section of a chart, tap the data point that you want to examine. Since all the tables and graphs are interactive, when you tap one value, the same value is highlighted everywhere it appears in other visuals or tables. A tooltip also appears showing more details on the selected value.

5.2.2 Facets

Facets are variables through which the data of a data set is presented for viewing, analysis and filtering. A facet is essentially a dimension of the data being explored. Facets are mainly used to filter data.

5.2.3 Measures

A measure is an object that represents calculations and aggregate functions that map to statistical and analytic data in the dataset. By default, one measure is already selected and used in the chart. This is the main measure. You can change the main measure and add more measures.

Measures represent the factual information.

5.2.4 Augmented view

Augmented Explorer views allow you to analyze geo-localized data based on pre-defined points of interest (POI). These POI are defined by Explorer administrators on the Explorer server. When you add a dimension that is formatted to activate POI, the augmented views icon appears. Tap this icon to start the augmented view on a geo-map.

To switch to Augmented View:

Tap .

i Note

For the augmented views to be available, pre-defined points of interest (POI) should be defined by an Explorer administrator.

5.3 Sharing your explorations

Once you have an exploration that you would like to keep for future reference or send to a colleague, you can perform the following actions:

Option	Description
Send by mail	Tap the share icon  and tap Send by Mail . You need to have set up a default mail application on the device to use this feature.
Add to Personal views	Tap the share icon  and tap Add to Personal views . The URL of your exploration is saved in the Personal tab.

6 Administering Explorer

A number of the features available in SAP BusinessObjects Explorer for iPad/iPhone require server end tasks to enable use in the mobile application. This section provides information on the following features:

- [Building a custom URL](#) [page 16]
- [Setting up the authentication mode](#) [page 19]
- [Security protocols](#) [page 21]
- [Valid Data Format for Augmented Views](#) [page 21]

6.1 Building a custom URL

Administrators can build a custom URL to simplify the creation of Explorer connections for content consumers. A custom URL can automatically create a connection or directly open an information space.

6.1.1 Creating a connection using an Explorer server

The following URL creates a direct connection to explorer using an Explorer server (without Mobile server):

Example of well-formed URL:

```
sboexplorer://http://my.server.sap.com:8080/explorer/index.jsp?  
ExplorerServerName=myCMS:  
6600&ConnectionName=550q&User=administrator&Action=createconnection
```

Parameter	Sub-parameter	Purpose	Value or Example	Mandatory/Optional	Default value
sboexplorer://		Launches Explorer iOS	N/A	N/A	N/A
	URL protocol	Uses http or https for connecting	Value: http:// or https://	Optional	http://
	Explorer server	Provides the server name or IP	Example: my.server.sap.com	Mandatory	NO
	Explorer port	Provides the port to use	Example: :8080	Optional	80 for http
	Explorer URL suffix	Provides the directory	Value: /explorer/ index.jsp	Mandatory	NO

Parameter	Sub-parameter	Purpose	Value or Example	Mandatory/ Optional	Default value
? ExplorerServerName=		Provides the CMS name and its port	Example: myCMS:6600	Mandatory	N/A
&ConnectionName=		Provides the name of the connection to create	Example: 550q	Mandatory	N/A
&User=		Provides the user name	Example: administrator	Mandatory	N/A
&Action=		Provides the action to be performed	Only one value is possible: createconnection	Mandatory	N/A

6.1.2 Creating a connection using an Mobile server

The following URL creates a connection to explorer using a Mobile server:

Example of well-formed URL:

```
sboexplorer://MOBIServerURL=my.server.sap.com:8080&Action=createconnection&ExplorerNickName=Explorer_demo&ExplorerServerName=myCMS:6600&ConnectionName=550q&user=administrator
```

Parameter	Sub-parameter	Purpose	Value or Example	Mandatory/ Optional	Default value
sboexplorer://		Launches Explorer iOS	N/A	N/A	N/A
MOBIServerURL=		Specifies the use of MobiServer instead of a direct connection	N/A	N/A	N/A
	URL protocol	Uses http or https for connecting	Value: http:// or https://	Optional	http://
	Explorer server	Provides the server name or IP	Example: my.server.sap.com	Mandatory	NO
	Explorer port	Provides the port to use	Example: :8080	Optional	80 for http

Parameter	Sub-parameter	Purpose	Value or Example	Mandatory/Optional	Default value
&Action=		Provides the action to be performed	Only one value is possible: createconnection	Mandatory	N/A
&ExplorerNickName =		Provides a logical name for the server	Example: Explorer_demo	Mandatory	N/A
? ExplorerServerName=		Provides the CMS name and its port	Example: myCMS: 6600	Mandatory	N/A
&ConnectionName =		Provides the name of the connection to create	Example: 550q	Mandatory	N/A
&User=		Provides the user name	Example: administrator	Mandatory	N/A

6.1.3 Opening a bookmark

The following URL opens a bookmark:

Example of well-formed URL:

```
sboexplorer://my.server.sap.com:8080/explorer/index.jsp?
&documentId=id1234&bookmarkId=id5678
```

Parameter	Sub-parameter	Purpose	Value or Example	Mandatory/Optional	Default value
sboexplorer://		Launches Explorer iOS	N/A	N/A	N/A
	URL protocol	Uses http or https for connecting	Value: http:// or https://	Optional	http://
	Explorer server	Provides the server name or IP	Example: my.server.sap.com	Mandatory	NO
	Explorer port	Provides the port to use	Example: :8080	Optional	80 for http

Parameter	Sub-parameter	Purpose	Value or Example	Mandatory/Optional	Default value
	Explorer URL suffix	Provides the directory	Value: /explorer/ index.jsp	Mandatory	NO
?documentId=		Provides a unique ID of the Information Space to open	Example: id1234	Mandatory	N/A
&bookmarkId=		Provides a unique ID of the Bookmark to open	Example: id5678	Mandatory	N/A

i Note

- Ensure that there are no spaces in the URL.
- Special characters other than hyphen and underscore are not supported in the parameter values of the URL.

6.2 Setting up the authentication mode

There are four authentication modes available: Enterprise, LDAP, WinAD, or SAP. When you access SAP BusinessObjects Explorer on the iPad using the authentication type SAP, the following procedure must be followed on the Explorer server:

1. Optional: Stop the webapp server.
2. Open the `default.settings` file located at `C:\Program Files (x86)\SAP BusinessObjects\Tomcat6\webapps\explorer\WEB-INF\classes\default.settings`
3. After `default.sapsystem.name=` add the system ID.
Example: `default.sapsystem.name=systemID1234`
4. After `show.sapsystem.name=` change the value to true.
Example: `show.sapsystem.name=true`
5. After `disable.sapsystem.name=` change the value to false.
Example: `disable.sapsystem.name=false`
6. After `default.sapclient.name=` add the client ID.
Example: `default.sapclient.name=clientID1234`
7. After `show.sapclient.name=` change the value to true.
Example: `show.sapclient.name=true`
8. After `disable.sapclient.name=` change the value to false.
Example: `disable.sapclient.name=false`
9. Save and close the file.

10. Delete the explorer folder located at C:\Program Files (x86)\SAP BusinessObjects\Tomcat6\work\Catalina\localhost\explorer
11. Restart the webapp.
You can now access SAP BusinessObjects Explorer on the iPad using the authentication type SAP.

6.3 Password policy

By default, the password you define to access the application must be at least eight characters in length. Administrators can define a stronger password policy by using regular expressions. A strong password policy enhances security to protect your data.

The password policy defines the length and the formation of the password. The syntax of the default password policy is as follows:

```
sboexplorer://settings?polpwd=[<characters allowed>]{<number of characters required>}$&poldesc=<Short policy description>
```

Where:

<characters allowed>	<number of characters required>	<Short policy description >
- A-Z - a-z 0-9 - Special characters such as _ - / \$ & . + *	The minimum number of characters allowed is eight	A description or name for the password policy defined

The default password policy is as follows:

```
sboexplorer://settings?polpwd=[A-Za-z0-9]{8}$&poldesc=Default_password
```

The following is an example of a very simple password policy:

```
sboexplorer://settings?polpwd=[0-9]{10}$&poldesc=Numbers
```

The example above states that the password:

- Must contain at least ten numbers from 0 to 9

The following is an example of a strong password policy:

```
sboexplorer://settings/?polpwd=(?=.*[0-9]){2})(?=.*[A-Za-z]){6})[A-Za-z0-9]{8,12}$&poldesc=VeryStrong
```

The example above states that the password:

- Must contain at least two numbers from 0 to 9
- Must contain six lowercase or uppercase alpha characters
- Must be from eight to twelve characters in length

To activate a password policy:

- Completely close the application. (The application must not be running in the background.)
- If the application is still running, the password policy is applied the next time the application is closed and reopened.

i Note

In order to protect your data, it is not possible to disable the application password.

If the application password was bypassed somehow, the connections created on your device will not be saved. Only the connection to the demo server will be available.

6.4 Security protocols

Data is encrypted and protected by a Secure Socket Layer (SSL) protocol. SAP BusinessObjects Explorer for iPad/iPhone uses a set of 5 default SSL ciphers:

- TLS_RSA_WITH_DES_CBC_SHA
- TLS_RSA_EXPORT_WITH_RC4_40_MD5
- TLS_RSA_EXPORT_WITH_DES40_CBC_SHA
- TLS_DHE_RSA_WITH_DES_CBC_SHA
- TLS_DHE_RSA_EXPORT_WITH_DES40_CBC_SHA

6.5 Valid Data Format for Augmented Views

When the data is correctly formatted, Information Spaces and Exploration Views show the information augmented, so that you can view the information in terms of your points of interest (POIs).

For the augmented view of a document to load, it is essential that one of the columns of the data set uploaded to the Explorer server is formatted as a point of interest (POI).

A POI is a structure containing the following information:

- POI name (mandatory)
- POI location (mandatory)
- POI image
- POI associated link

The POI column in the data set should be formatted as follows:

NAME|| LATITUDE;LONGITUDE|| IMAGE_URL|| LINK_URL

Example: myStore||45.5;-1.2||http://mydomain/myimage||http://mydomain

This order and format is mandatory. POI information must be separated by the string “||”.

The following is an example of a data set which is valid for getting an augmented view:

Store	Year	Quarter	Revenue
Store 1 46.43431150;1.16331900 http://sapweb20.com/blog/augreality/icon21.png	2010	Q1	7703
Store 1 46.43431150;1.16331900 http://sapweb20.com/blog/augreality/icon21.png	2010	Q2	3918
Store 1 46.43431150;1.16331900 http://sapweb20.com/blog/augreality/icon21.png	2010	Q3	5602
Store 1 46.43431150;1.16331900 http://sapweb20.com/blog/augreality/icon21.png	2010	Q4	3100
Store 2 50.47431150;2.55331900 http://sapweb20.com/blog/augreality/icon13.png http://sapweb20.com/blog/augreality/icon13.png	2010	Q1	1025
Store 2 50.47431150;2.55331900 http://sapweb20.com/blog/augreality/icon13.png http://sapweb20.com/blog/augreality/icon13.png	2010	Q2	680
Store 2 50.47431150;2.55331900 http://sapweb20.com/blog/augreality/icon13.png http://sapweb20.com/blog/augreality/icon13.png	2010	Q3	1100
Store 2 50.47431150;2.55331900 http://sapweb20.com/blog/augreality/icon13.png http://sapweb20.com/blog/augreality/icon13.png	2010	Q4	6709

The data set can have any number of dimensions, but one of the columns should be formatted as POI. If this condition is fulfilled, then when tapping the document, the augmented view will load and the augmented views icon will be available. Otherwise, the normal exploration view opens up.

A background image of dandelion seeds floating in the air against a clear blue sky. The seeds are captured in various stages of flight, with some showing the dark seed head and others just the white, feathery pappus.

www.sap.com/contactsap

© 2013 SAP AG or an SAP affiliate company. All rights reserved.
No part of this publication may be reproduced or transmitted in any form or for any purpose without the express permission of SAP AG. The information contained herein may be changed without prior notice.

Some software products marketed by SAP AG and its distributors contain proprietary software components of other software vendors. National product specifications may vary.

These materials are provided by SAP AG and its affiliated companies ("SAP Group") for informational purposes only, without representation or warranty of any kind, and SAP Group shall not be liable for errors or omissions with respect to the materials. The only warranties for SAP Group products and services are those that are set forth in the express warranty statements accompanying such products and services, if any. Nothing herein should be construed as constituting an additional warranty.

SAP and other SAP products and services mentioned herein as well as their respective logos are trademarks or registered trademarks of SAP AG in Germany and other countries.

Please see <http://www.sap.com/corporate-en/legal/copyright/index.epx> for additional trademark information and notices.