

How-to Guide
SAP NetWeaver 2004s



How To... **Export Data** **from Visual** **Composer**

Version 1.00 – September 2006

Applicable Releases:
SAP NetWeaver 2004s

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1 Scenario

In this guide, we will explore numerous ways to get data out of Visual Composer models. We will show how to use the native export functionality, as well as leveraging other export options to Excel, CSV, and PDF. This guide focuses on exporting data from tables, not the entire contents of the model, such as charts.

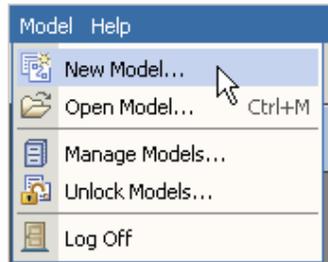
2 Introduction

Visual Composer offers some native functionality for export. This will be the first option we explore. After this, we will show how to do this with Web Design API. Web Design API Commands will export the contents of the data service and not any further navigation state of the Visual Composer data.

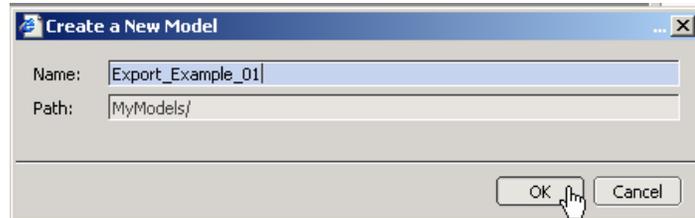
3 The Step By Step Solution

3.1 Using the native Visual Composer Export Data Functionality

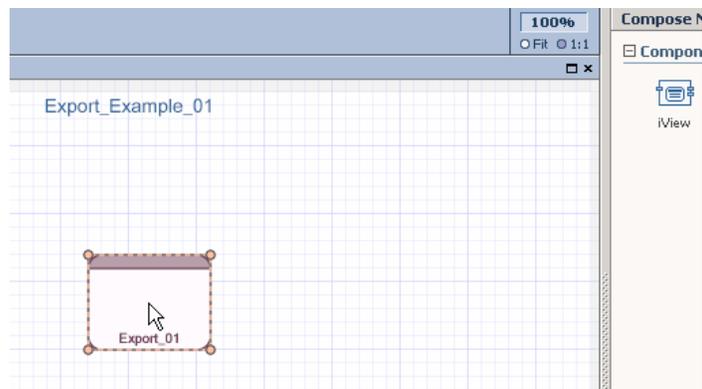
1. Create a new Visual Composer model.



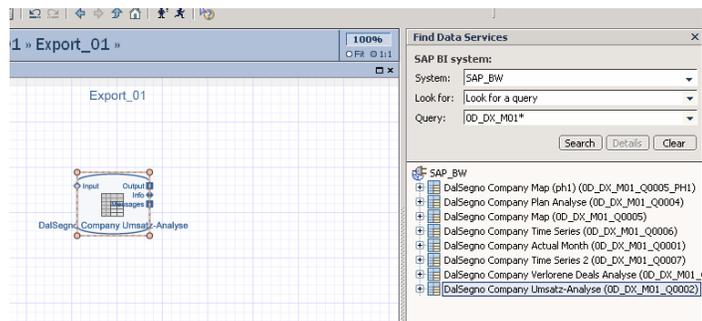
2. Name your model.



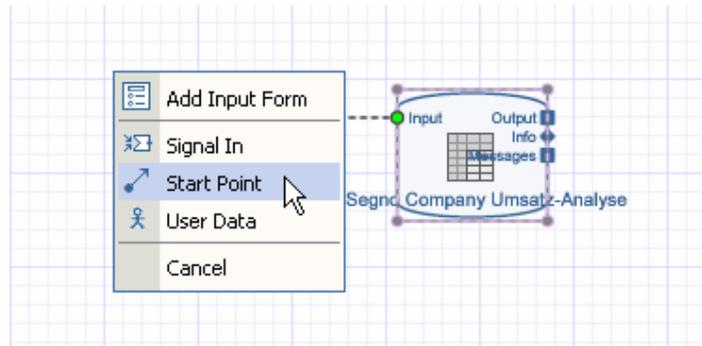
3. Drag and drop an iView into your storyboard and name the iView. Double click on this to enter the contents of the iView.



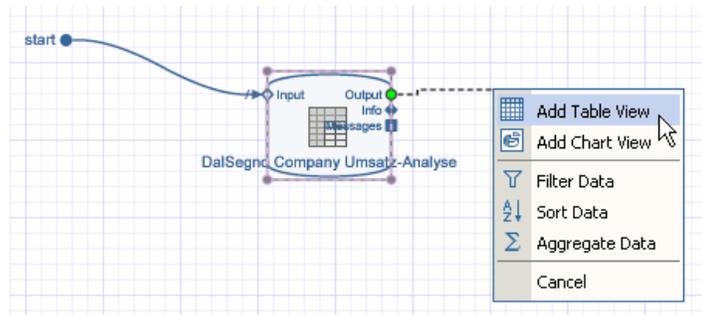
4. Search for a BI Query and drag and drop this into your iView.



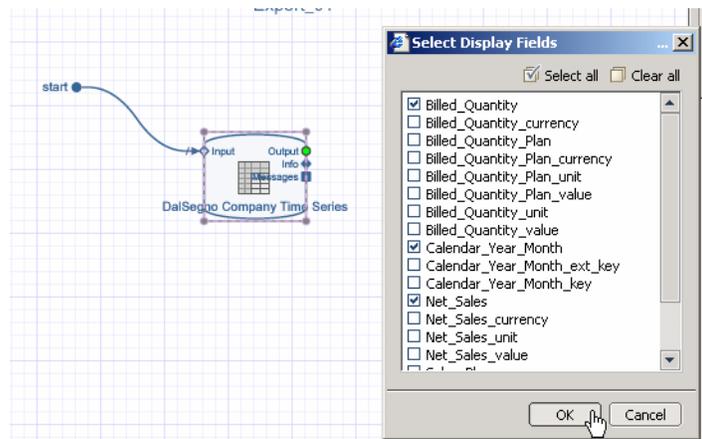
5. Drag and drop a start point from the Input port of your data service.



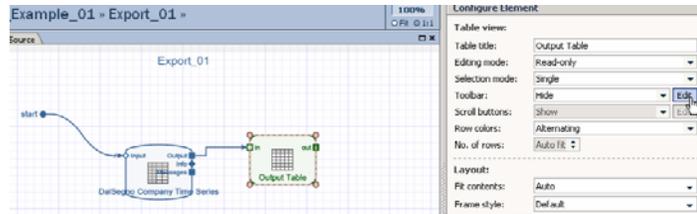
6. Drag and drop a "Table" from the output port.



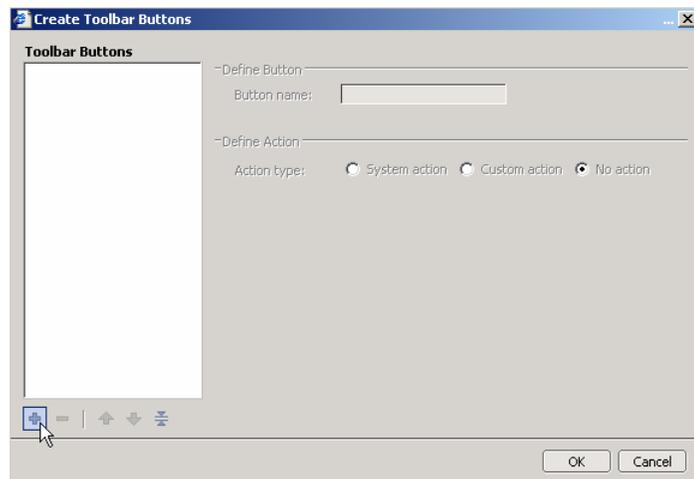
7. Choose your output fields and click OK.



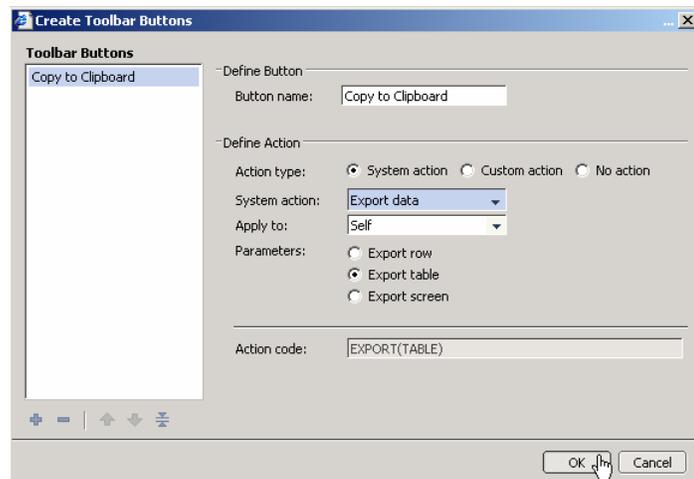
- Double click on the table element and add a toolbar by clicking the “Edit” element under the toolbar for the table.



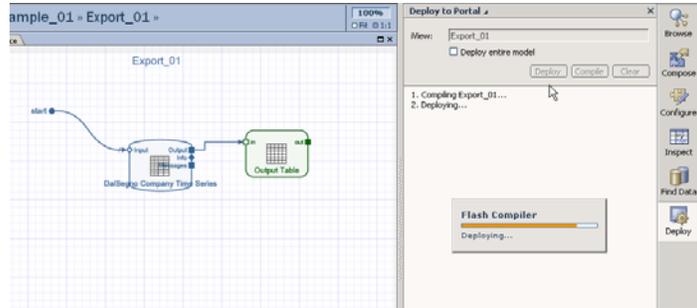
- Choose the “Add button” option.



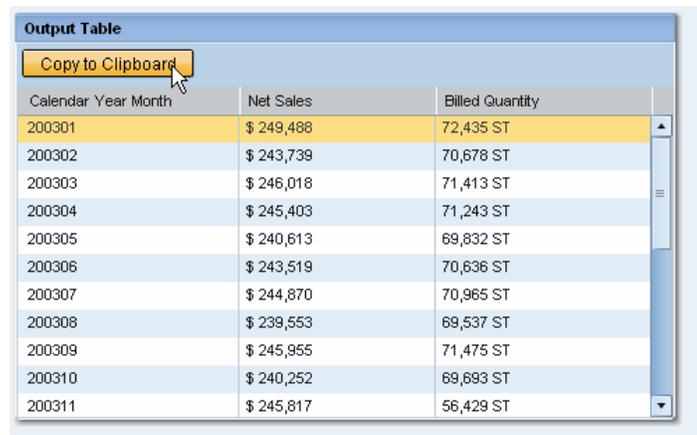
- Add the following “Copy to Clipboard” option. This button will take the data from the Visual Composer table and copy it to your clipboard.



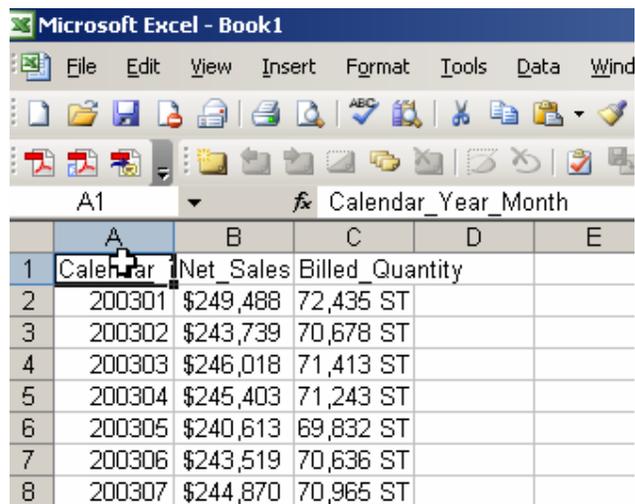
11. Deploy your model.



12. At runtime, click the “Copy to Clipboard” button.



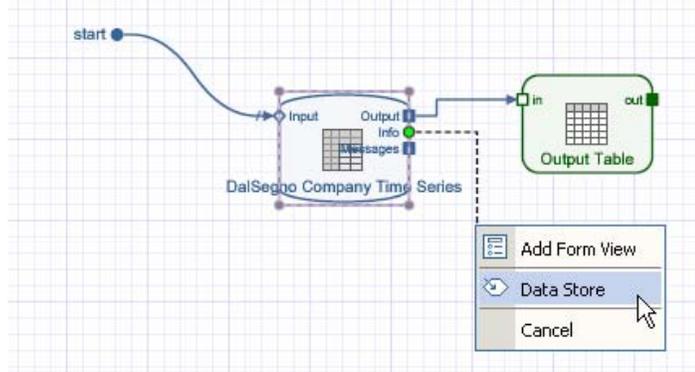
13. Launch Excel and hit “CTRL+V” to paste your data in excel.



3.2 Using Web Design API to export to CSV

This section is continued from the previous section...

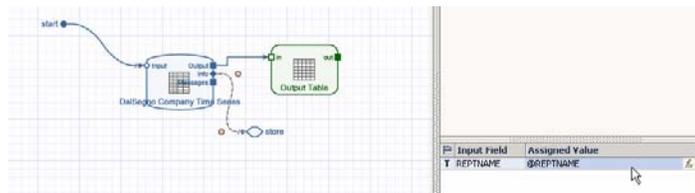
1. From the “Info” port of your BI Query Data service, drag and drop out a “Data Store” object.



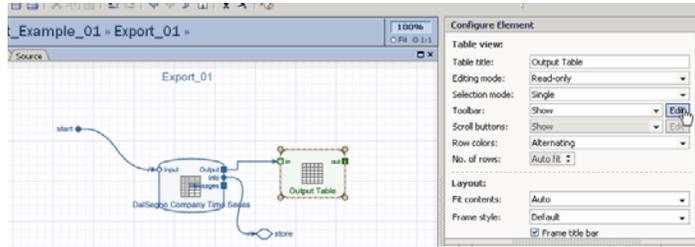
2. Add the field “REPTNAME” to the Data Store Object.

The 'Field Properties' dialog box is shown. It has a title bar with a close button. The 'Field name' field contains 'REPTNAME'. The 'Data type' dropdown is set to 'Text'. The 'Default value' field is empty, with a 'Formula' button next to it. At the bottom, there are 'OK' and 'Cancel' buttons. The 'OK' button is highlighted with a mouse cursor.

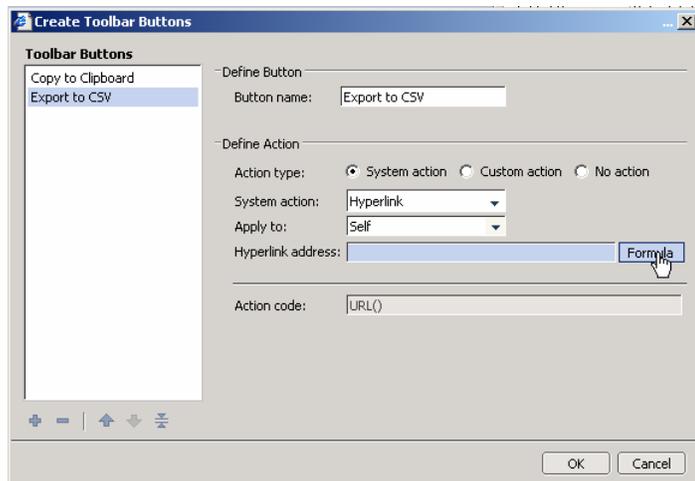
3. Map the field “REPTNAME” from the info port to the data store.



- Double click on the Output Table and choose "Edit" on the toolbar.



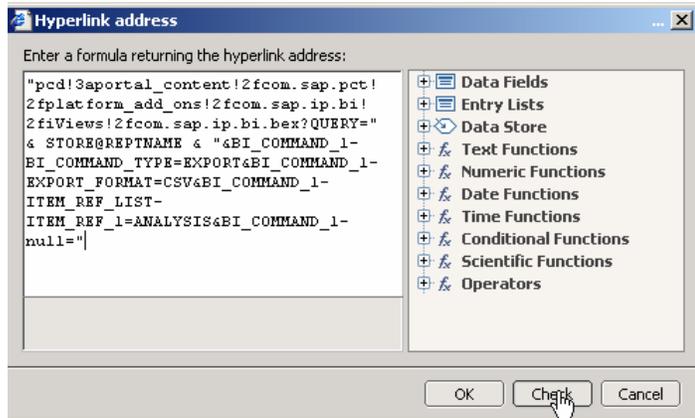
- Specify this button as "Export to CSV", System Action=Hyperlink, and then click Formula.



- Specify this formula:

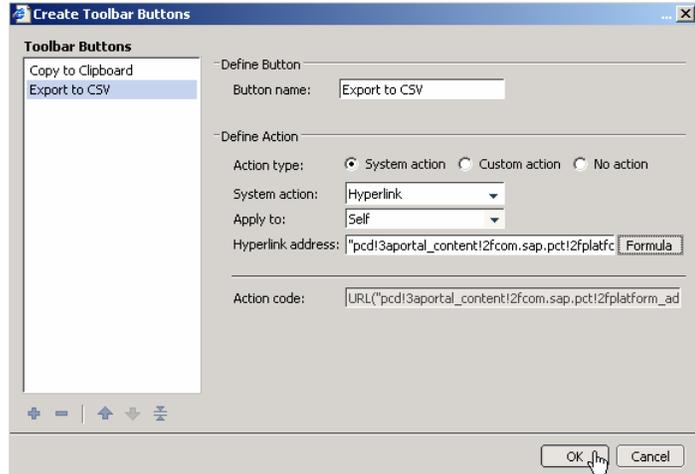
```
"pcd!3aportal_content!2fcom.sap.pct!2fplatform_add_ons!2fcom.sap.ip.bi!2fiViews!2fcom.sap.ip.bi.bex?QUERY=" & STORE@REPTNAME & "&BI_COMMAND_1-BI_COMMAND_TYPE=EXPORT&BI_COMMAND_1-EXPORT_FORMAT=CSV&BI_COMMAND_1-ITEM_REF_LIST-ITEM_REF_1=ANALYSIS&BI_COMMAND_1-null="
```

NOTE: This URL is for the Web Analyzer PCD Location if Visual Composer is on the same server as BI-JAVA. If it is not, see the section on Mapping External BI locations.

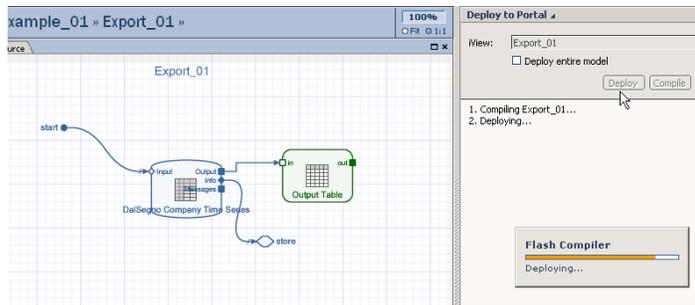


7. Choose OK.

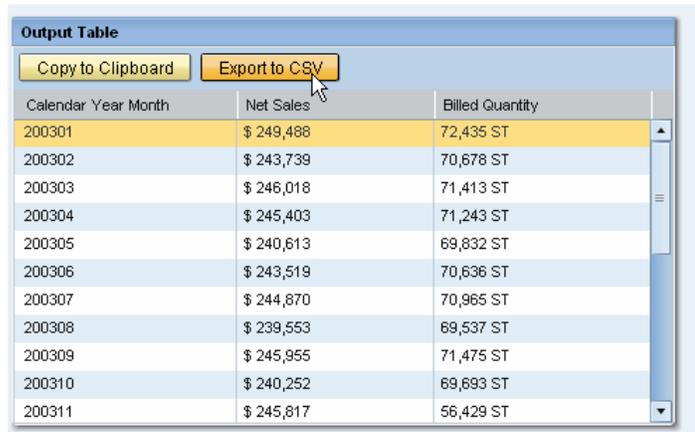
NOTE: This will export the default view of the data service to a CSV. It will not keep filters or navigation states.



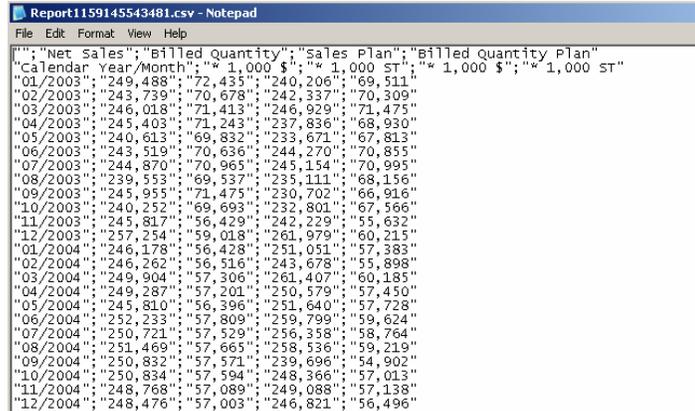
8. Deploy your model.



9. Run your iView and choose "Export to CSV".



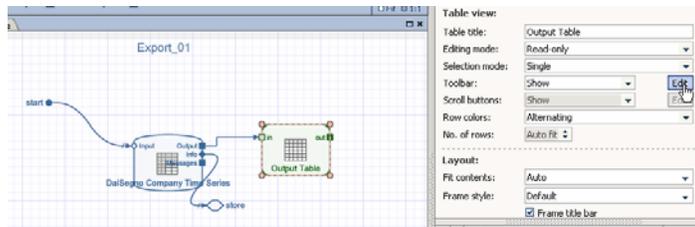
10. Look at your exported CSV file.



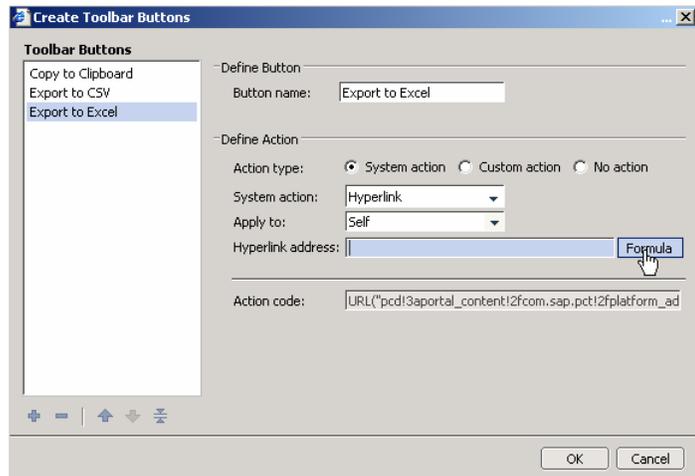
3.3 Using Web Design API to export to Excel

This section is continued from the previous section...

1. Double click on the Output Table and choose "Edit" on the toolbar.



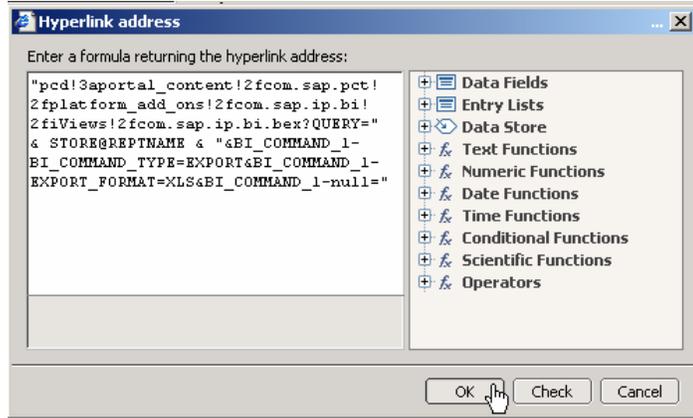
2. Specify this button as "Export to Excel", System Action=Hyperlink, and then click Formula.



- Specify this formula:

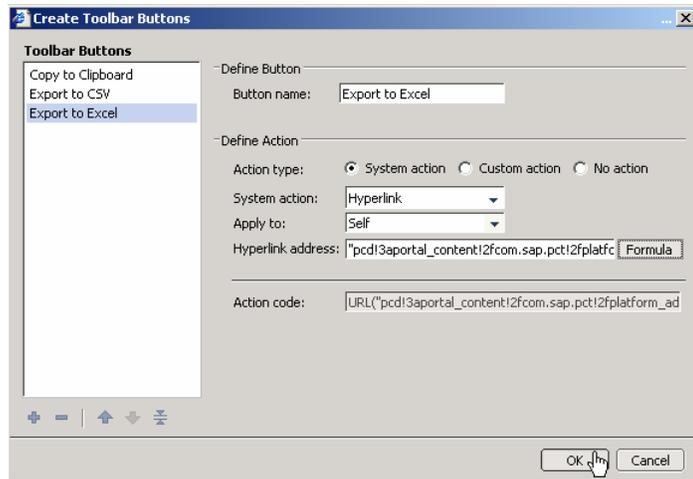
```
"pcd!3aportal_content!2fcom.sap.pct!2fplatform_add_ons!2fcom.sap.ip.bi!2fiViews!2fcom.sap.ip.bi.bex?QUERY=" & STORE@REPTNAME & "&BI_COMMAND_1-BI_COMMAND_TYPE=EXPORT&BI_COMMAND_1-EXPORT_FORMAT=XLS&BI_COMMAND_1-null="
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NOTE: This URL is for the Web Analyzer PCD Location if Visual Composer is on the same server as BI-JAVA. If it is not, see the section on Mapping External BI locations.

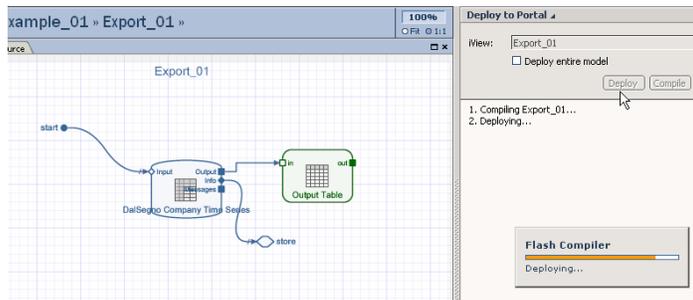


- Choose OK.

NOTE: This will export the default view of the data service to an Excel File. It will not keep filters or navigation states.



- Deploy your model.



- Run your iView and choose “Export to Excel”.

Calendar Year Month	Net Sales	Billed Quantity
200301	\$ 249,488	72,435 ST
200302	\$ 243,739	70,678 ST
200303	\$ 246,018	71,413 ST
200304	\$ 245,403	71,243 ST
200305	\$ 240,613	69,832 ST
200306	\$ 243,519	70,636 ST
200307	\$ 244,870	70,965 ST
200308	\$ 239,553	69,537 ST
200309	\$ 245,955	71,475 ST
200310	\$ 240,252	69,693 ST
200311	\$ 245,817	56,429 ST

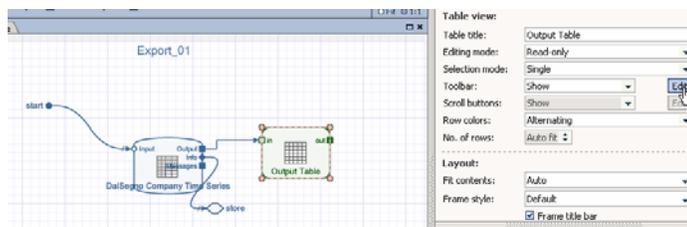
- Look at your exported Excel file.

Calendar Year/Month	Net Sales	Billed Quantity	Sales Plan	Billed Quantity Plan
01/2003	249,488	72,435	240,206	69,511
02/2003	243,739	70,678	242,337	70,309
03/2003	246,018	71,413	246,929	71,475
04/2003	245,403	71,243	237,836	68,930
05/2003	240,613	69,832	239,671	67,813
06/2003	243,519	70,636	244,270	70,855
07/2003	244,870	70,965	245,154	70,995

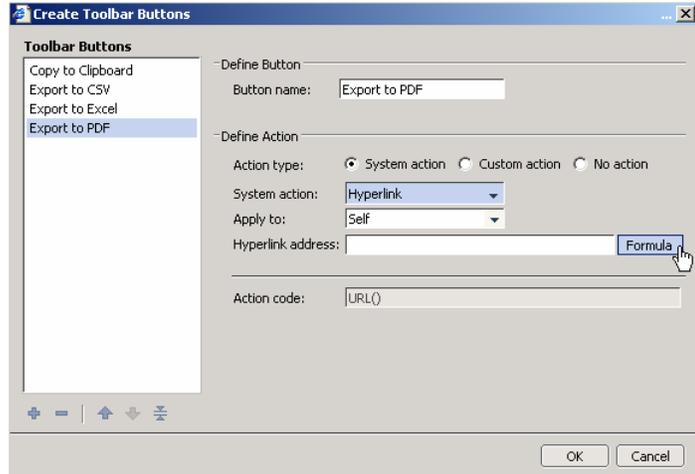
3.4 Using Web Design API to export to PDF

This section is continued from the previous section...

- Double click on the Output Table and choose “Edit” on the toolbar.



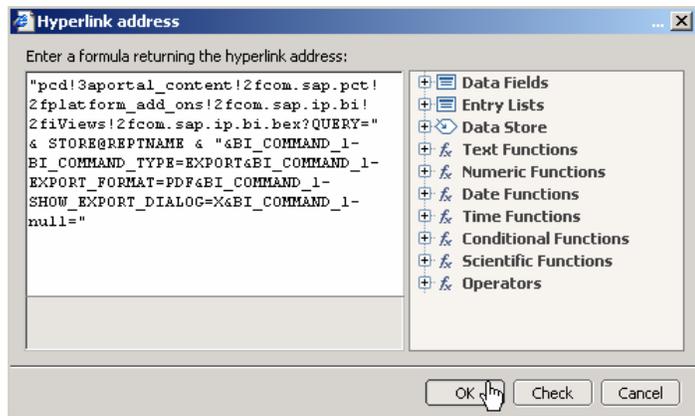
- Specify this button as “Export to PDF”, System Action=Hyperlink, and then click Formula.



- Specify this formula:

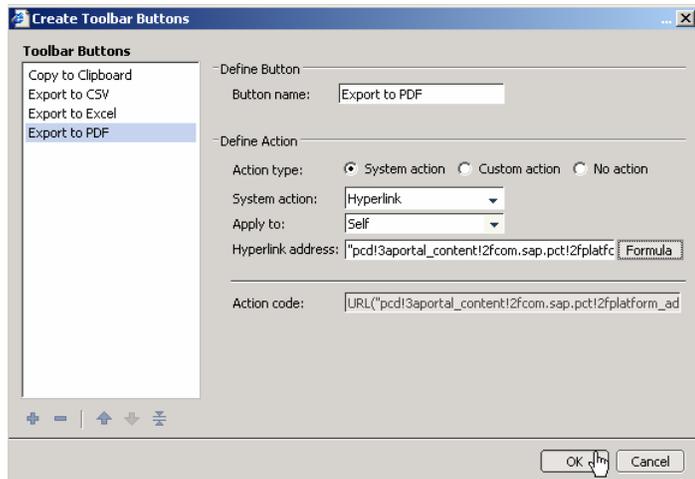
```
"pcd!3aportal_content!2fcom.sap.pct!2fplatform_add_ons!2fcom.sap.ip.bi!2fviews!2fcom.sap.ip.bi.bex?QUERY=" & STORE@REPTNAME & "&BI_COMMAND_1-BI_COMMAND_TYPE=EXPORT&BI_COMMAND_1-EXPORT_FORMAT=PDF&BI_COMMAND_1-SHOW_EXPORT_DIALOG=X&BI_COMMAND_1-null="
```

NOTE: This URL is for the Web Analyzer PCD Location if Visual Composer is on the same server as BI-JAVA. If it is not, see the section on Mapping External BI locations.

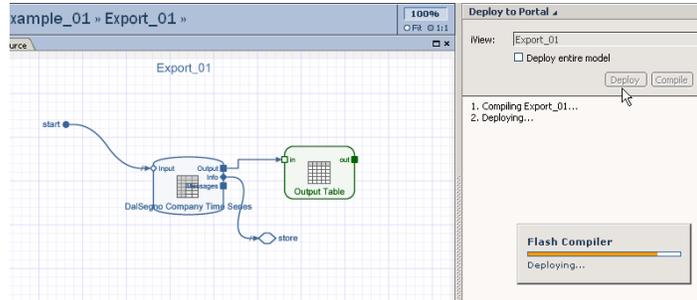


- Choose OK.

NOTE: This will export the default view of the data service to a PDF File. It will not keep filters or navigation states.



5. Deploy your model.



6. Run your iView and choose “Export to PDF”.

NOTE: We built this to show the export dialog. You can turn this off if you don't want the dialog by removing that command from the Web Design API command.

Output Table		
Calendar Year Month	Net Sales	Billed Quantity
200301	\$ 249,488	72,435 ST
200302	\$ 243,739	70,678 ST
200303	\$ 246,018	71,413 ST
200304	\$ 245,403	71,243 ST
200305	\$ 240,613	69,832 ST
200306	\$ 243,519	70,636 ST
200307	\$ 244,870	70,965 ST
200308	\$ 239,553	69,537 ST
200309	\$ 245,955	71,475 ST
200310	\$ 240,252	69,693 ST
200311	\$ 245,817	56,429 ST

7. Look at your PDF File.

Calendar Year/Month	Net Sales	Billed Quantity	Sales Plan	Billed Quantity Plan
01.2003	249.488	72.435	240.206	69.511
02.2003	243.739	70.678	242.337	70.309
03.2003	246.018	71.413	246.929	71.475
04.2003	245.403	71.243	237.836	68.930
05.2003	240.613	69.832	233.671	67.813
06.2003	243.519	70.636	244.270	70.965
07.2003	244.870	70.965	245.154	70.965
08.2003	239.553	69.537	235.111	68.156
09.2003	245.955	71.475	230.702	68.916

3.5 Mapping External BI Locations

The previous solutions were based on calling the default web analyzer and using a Web Design API command. Because of this, those solutions required that the BI-JAVA and Visual Composer components are on the same server. If your BI-JAVA and Visual Composer are on separate AS-JAVA components, you will need to map a Remote URL iView of your BI-JAVA system Web Analyzer if it is different than the Visual Composer system. This Remote URL iView will need to be setup differently in your Development, QA, and Production environments to point to the respective BEx Web Analyzers. Once this is setup, you can use the PCD location of this Remote URL BEx Web Analyzer within your Visual Composer model. As you transport your iView through your landscape, this Visual Composer application will continue to operate properly as the Remote URL iView in each system points to the respective BI-JAVA system.

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