



Guideline

Using Themes and URLs in Executive Viewer

Product(s): Executive Viewer

Area of Interest: Reporting

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Contents

1	INTRODUCTION	4
1.1	PURPOSE	4
1.2	APPLICABILITY	4
1.3	EXCLUSIONS AND EXCEPTIONS	4
2	USING A THEME IN EXECUTIVE VIEWER	4
2.1	DESCRIPTION	4
2.2	EXPLANATION	5
2.3	EXAMPLES	6
3	USING 'EXTERNALEXPLORERURL' IN THE WEB.CONFIG OF THE EXPLORER12	
3.1	INTRODUCTION	12
3.2	BEFORE EXECUTIVE VIEWER VERSION 9.1	13
3.3	AFTER EXECUTIVE VIEWER VERSION 9.1	13
3.4	EXTERNALEXPLORERURL IN THE 'WEB.CONFIG' FILE	14

1 Introduction

1.1 Purpose

The first half of this document describes how to use Themes to change the look of Executive Viewer. The second half discusses the use of the 'ExternalExplorerURL' in the Web.config of the Explorer. As of Executive Viewer 9.1 it is possible to define an External Explorer URL in the 'Web.config' file of the Explorer. This enables you to specify an alternative IP address or Server name. The alternative IP address or Server name will be used in the generated links of Executive Viewer Explorer.

1.2 Applicability

Executive Viewer 9.2 unless otherwise specified in the chapter headings.

1.3 Exclusions and Exceptions

No exclusions have been identified.

2 Using a Theme in Executive Viewer

The information in this article applies to:

- Executive Viewer Client, version 6.1 build 1 or higher
-

2.1 Description

It is possible to use Themes to change the look of Executive Viewer Client.

Currently, the available Themes are

- Applix;
- Classic;
- Ocean;
- Desert;
- Forest;
- Olive;
- Silver.

A Theme can be set with:

1. The 'Render' Method of the Executive Viewer Server API
2. The 'URL API'
3. The 'Theme' Property of the Executive Viewer Client API

2.2 Explanation

ad 1. The 'Render' Method of the Executive Viewer Server API

This Method has a 'RenderOptions' parameter. With this parameter the Theme can be set. See the manual 'Executive Viewer Server API Reference' for more details.

ad 2. The 'URL API'

It is possible to type a URL in your browser, which is sent as a so called 'HTTP Request' to Executive Viewer Server, after which the requested View is generated. This is called 'URL API'.

One of the options for the 'Options' parameter is 'Theme'. This can be used to change the Theme of Executive Viewer.

Such an URL could for example look like:

```
http://<ServerName>/EVServer?MyView&Tabbar=True&Theme=Ocean
```

Consult the 'Executive Viewer Server Installation & Configuration Guide' for more details.

ad 3. The 'Theme' Property of the Executive Viewer Client API.

The HTML code for this looks for example like:

```
<html>
<head>
  <script language="vbscript">
    Sub MyOnLoad
      EObject.Views.Open "/Example Views/Sample View"
    End Sub

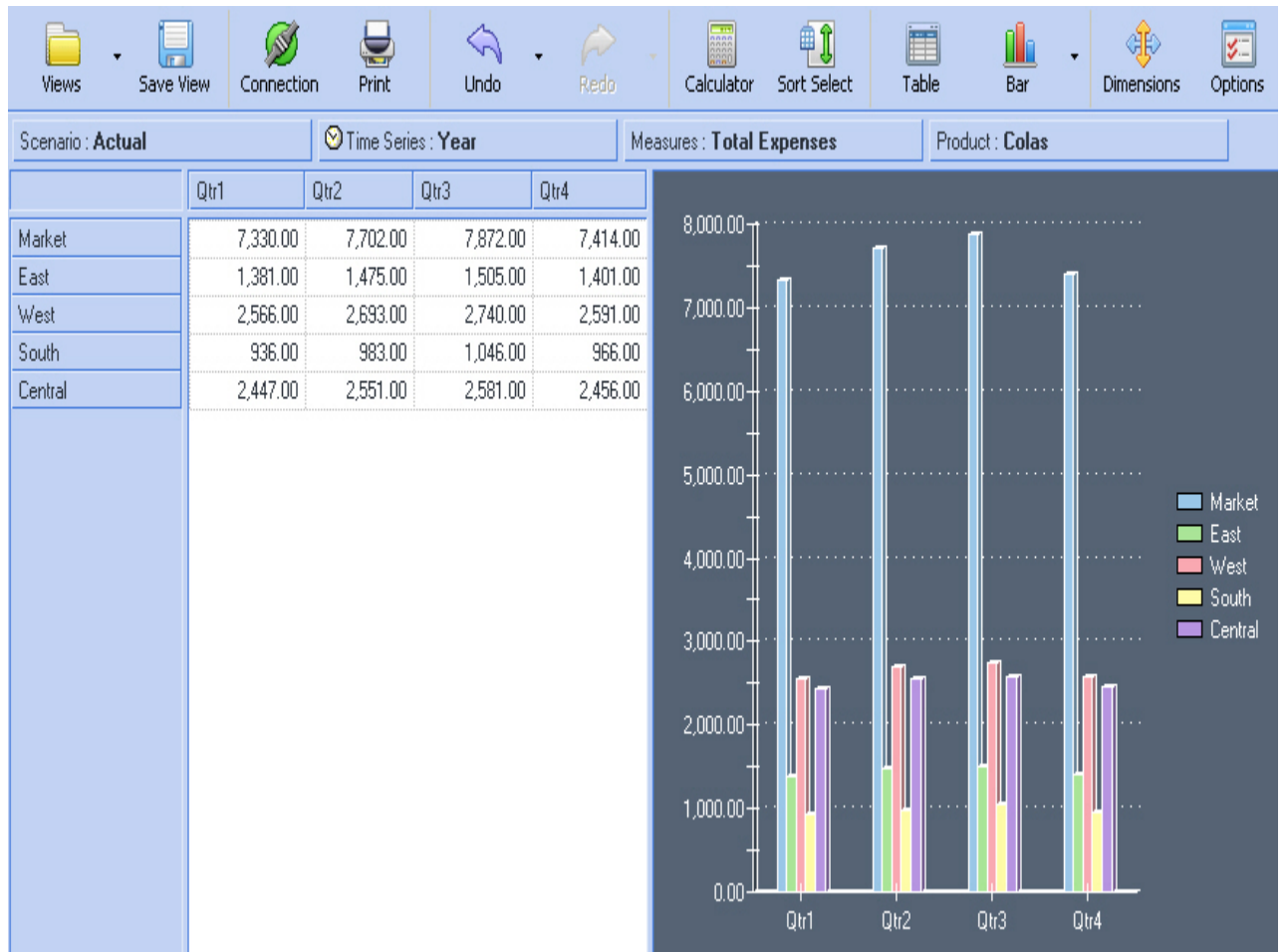
    Sub Ocean
      EObject.Theme = "Ocean"
    End Sub

    Sub Forest
      EObject.Theme = "Forest"
    End Sub
  </script>
</head>
<body topmargin="0" leftmargin="0" scroll="no" onload=MyOnLoad>
  <object id=EObject classid=clsid:7CAC1200-0BBE-499A-A9E9-5F334DBC8E89
height="90%" width="100%">
  <param name="Server" value="Your EV Server">
  <param name="EnableToolbar" value="True">
  </object>
  <input type=button value="Ocean" onclick="Ocean">
  <input type=button value="Forest" onclick="Forest">
</body>
</html>
```

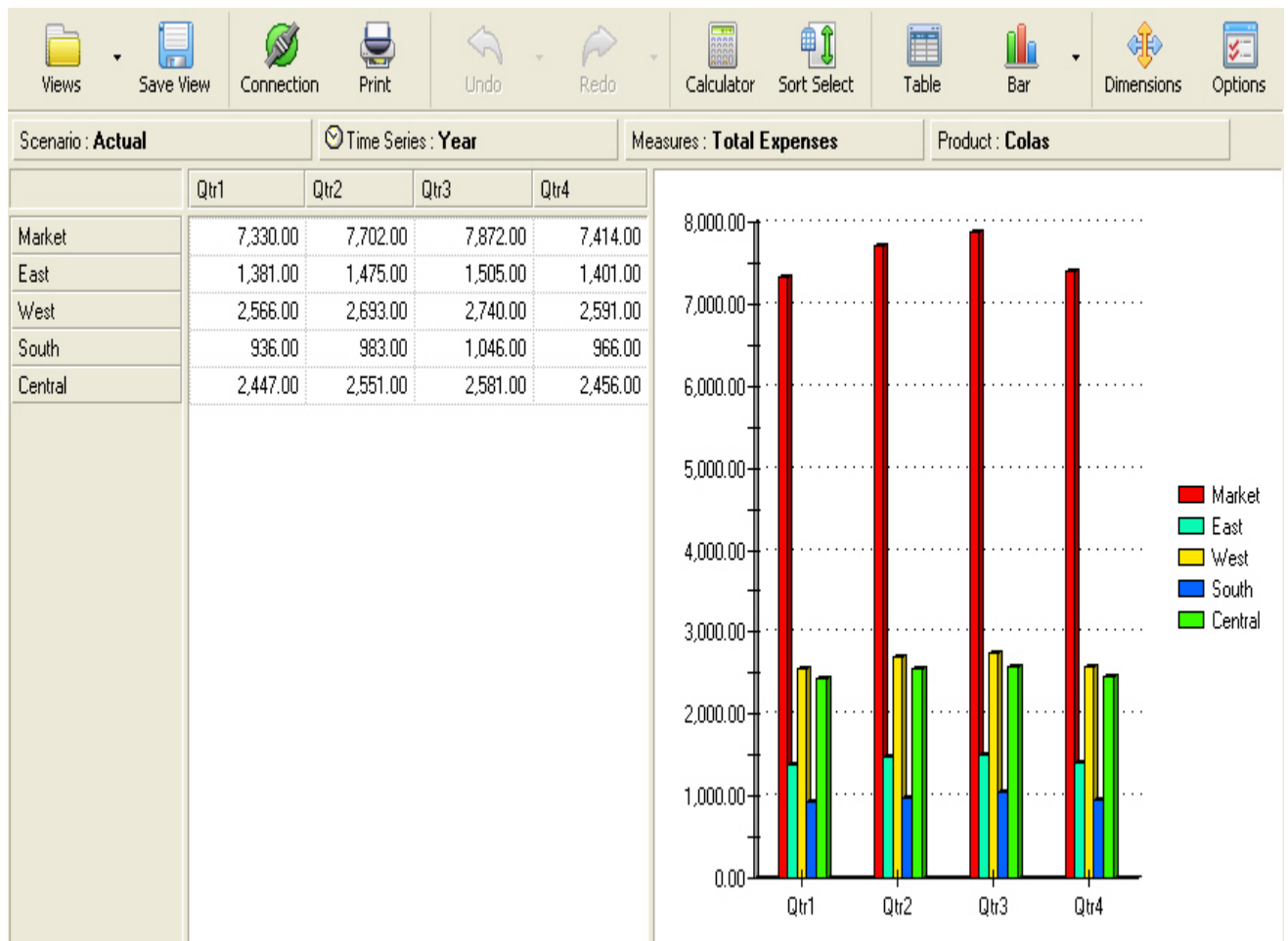
See the manual 'Executive Viewer Integration Guide - ViewCtrl' or 'Executive Viewer Integration Guide - BookCtrl' for more details.

2.3 Examples

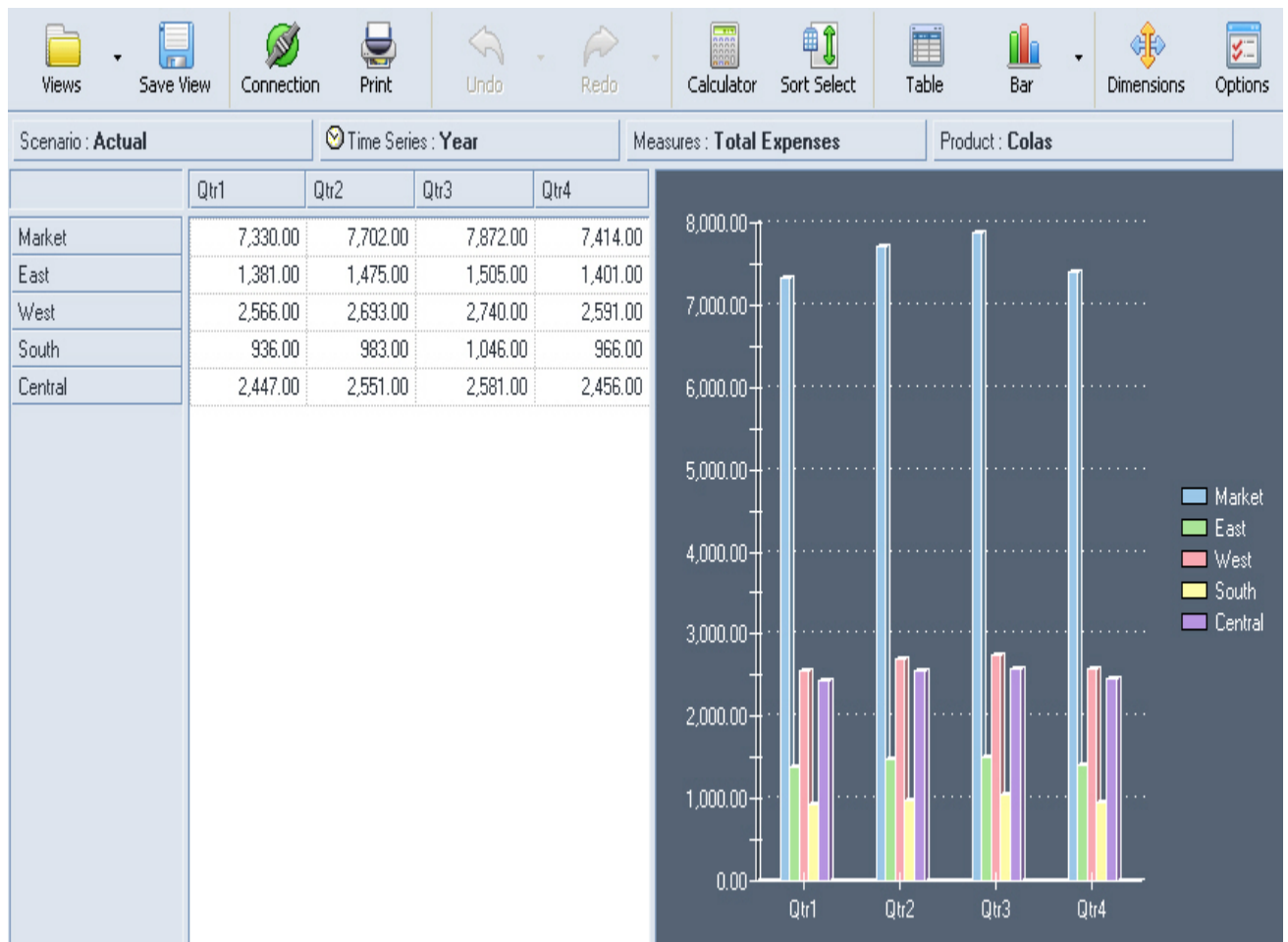
Executive Viewer with the 'Applix' Theme:



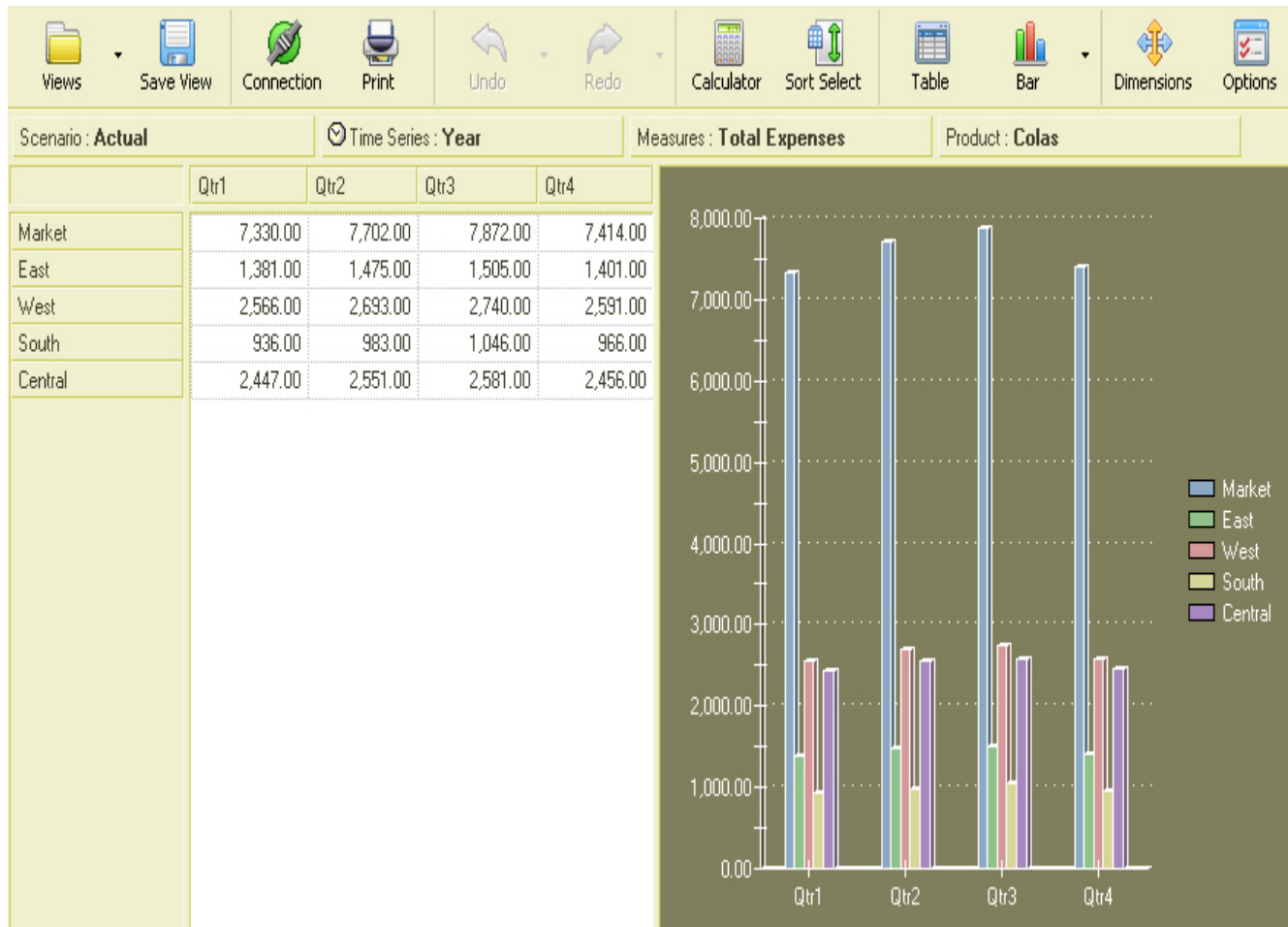
Executive Viewer with the 'Classic' Theme:



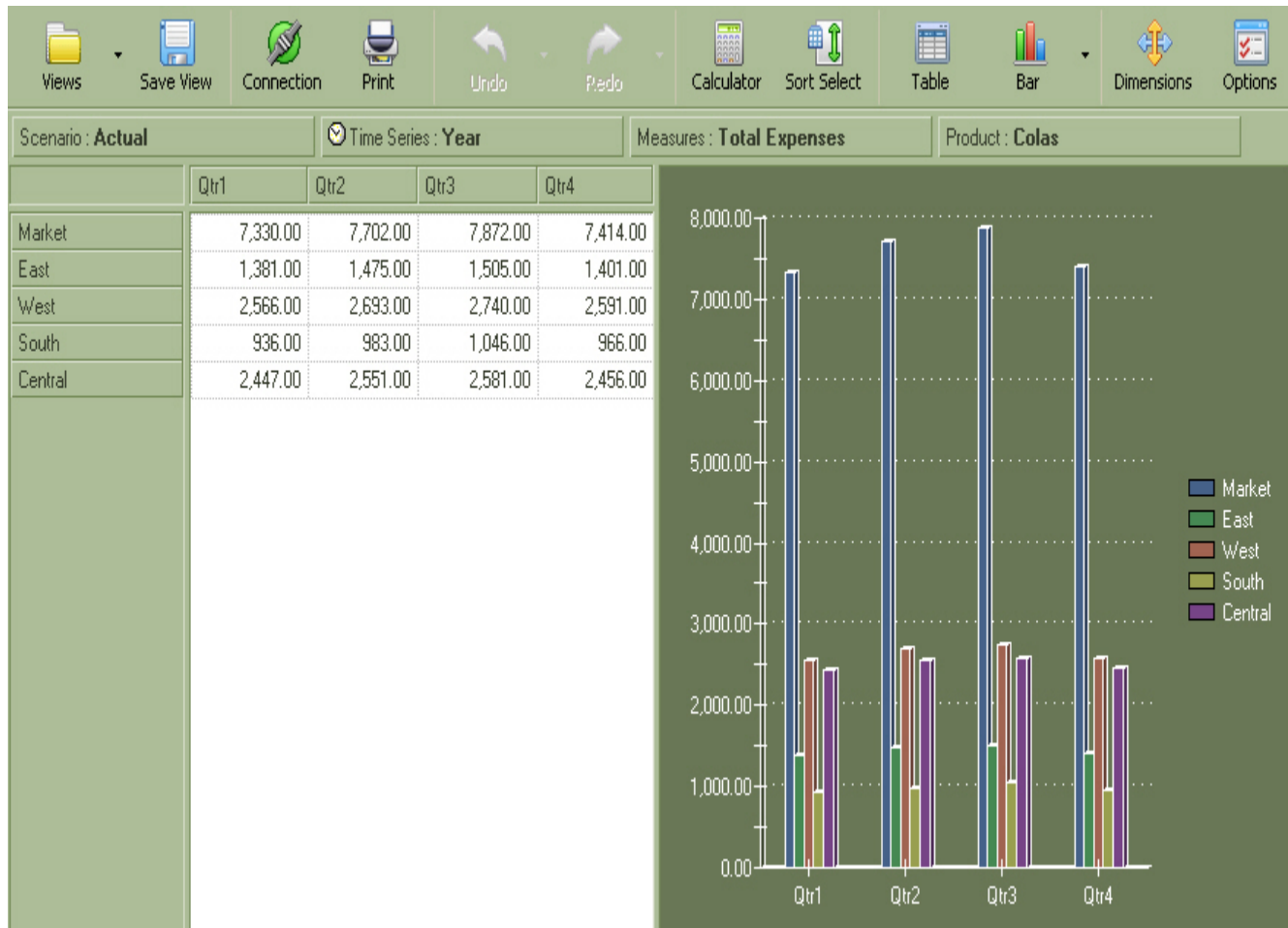
Executive Viewer with the 'Ocean' Theme:



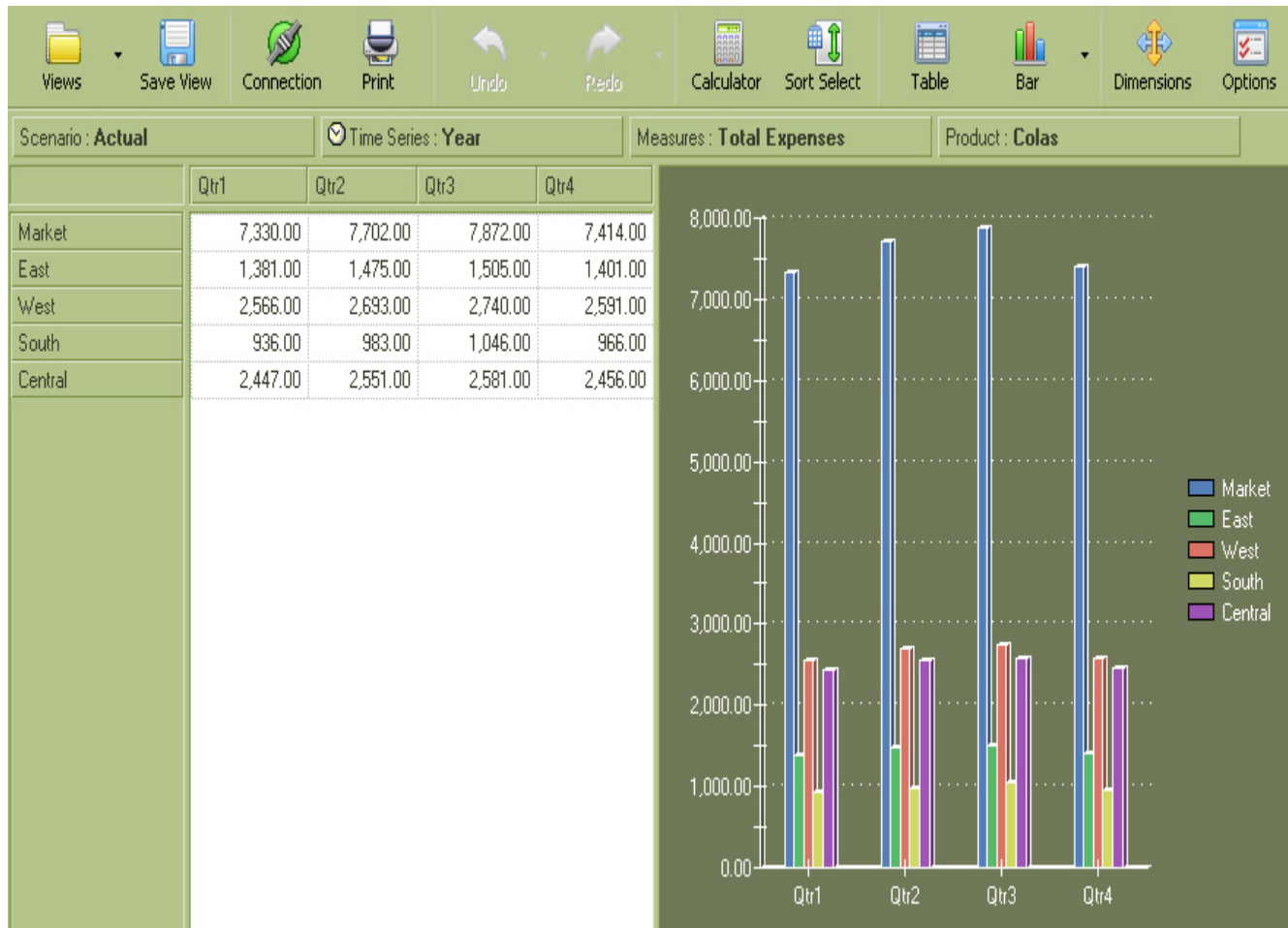
Executive Viewer with the 'Desert' Theme:



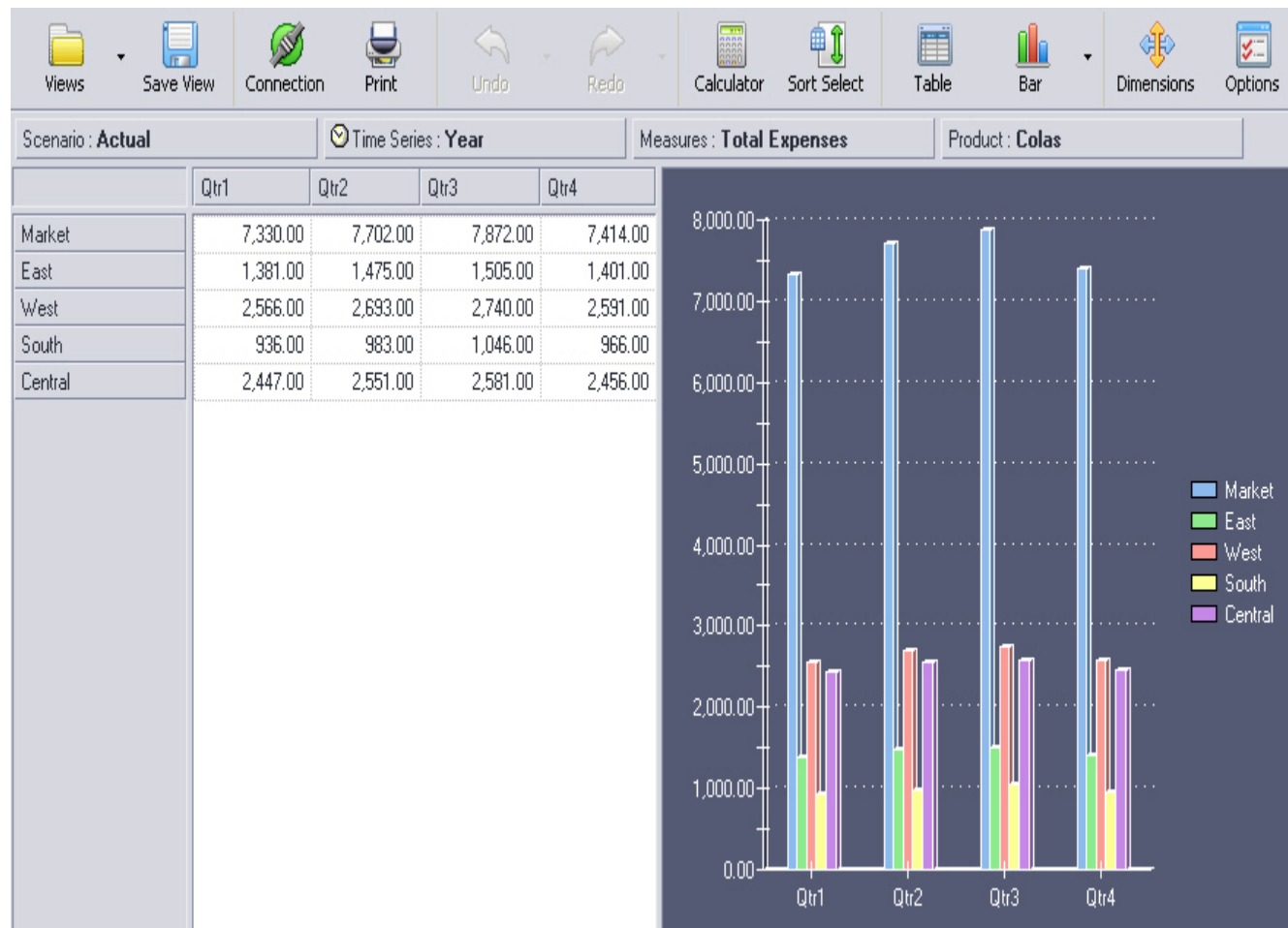
Executive Viewer with the 'Forest' Theme:



Executive Viewer with the 'Olive' Theme:



Executive Viewer with the 'Silver' Theme:



3 Using 'ExternalExplorerURL' in the Web.config of the Explorer

The information in this article applies to:

- Executive Viewer version 9.1 build 1 or higher
-

3.1 Introduction

This article describes how to use the 'ExternalExplorerURL' in the Web.config of the Explorer.

As of Executive Viewer 9.1 it is possible to define an External Explorer URL in the 'Web.config' file of the Explorer. This enables you to specify an alternative IP address or Server name. The alternative IP address or Server name will be used in the generated links of Executive Viewer Explorer.

Specifying the 'ExternalExplorerURL' is useful when a reverse proxy is used.

3.2 Before Executive Viewer version 9.1

Before Executive Viewer version 9.1 the IP address or the Server name of the links that are generated by Executive Viewer Explorer are determined by the IP address or Server name that is specified in the HTTP request. The HTTP request is made by the client that connects to Executive Viewer Explorer.

Consider the following example situation:

- The client machine connects to Executive Viewer Explorer. The Executive Viewer Explorer has IP address 192.168.1.2.
- On the server side where Executive Viewer Explorer runs, a reverse proxy is used with:
 - an internal IP address 192.168.1.2 and
 - an external IP address 176.139.128.16



1. A client sends an HTTP request to the Executive Viewer Explorer application using the external IP Address 176.139.128.16.
For example 'http://176.139.128.16/EVExplorer/'.
2. The reverse proxy translates the external IP Address (176.139.128.16) that is specified in the incoming HTTP request to the internal IP Address 192.168.1.2.
For Example 'http://192.168.1.2/EVExplorer/'.
3. Executive Viewer Explorer generates the requested output. The links in the HTML Page that are returned by Executive Viewer Explorer, contain the internal IP Address because Executive Viewer Explorer uses the IP Address of the incoming Request.

If a user wants to send a new request by clicking on the returned Executive Viewer Explorer link, the request will fail, because the client is not able to send an HTTP Request using the internal IP Address.

Problem

The transformed IP address that is specified in the generated link, is useless for the client machine because the client machine expects links with IP address 176.139.128.16 and not links with the IP address 192.168.1.2.

HTTP requests to Executive Viewer Explorer will fail because the links from Executive Viewer Explorer contain the internal IP address. The client is not able to connect to this machine.

3.3 After Executive Viewer version 9.1

Solution

As of Executive Viewer 9.1 a solution is provided for the links that contain useless IP addresses. The possibility of specifying the application setting 'ExternalExplorerUrl' in the

'Web.Config' file has been added. This enables you to overrule the IP Address or Server names that are provided in the generated links of Executive View Explorer.



1. A client sends an HTTP request to the Executive Viewer Explorer application using the external IP address 176.139.128.16.
For example 'http://176.139.128.16/EVExplorer/'.
2. The reverse proxy translates the external IP Address (176.139.128.16) that is specified in the incoming HTTP request to the internal IP Address (192.168.1.2).
For Example 'http://192.168.1.2/EVExplorer/'.
3. Executive Viewer Explorer generates the requested output. The links in the HTML Page that are returned by Executive Viewer Explorer, contain the specified 'ExternalExplorerURL' that overrules the IP Address of the incoming request. The generated links will look like: 'http://<ExternalExplorerURL>/Explorer'. In this example situation the value of 'ExternalExplorerURL' would be the IP address '176.139.128.16'.

If a user wants to send a new request by clicking on the returned Executive Viewer Explorer link, the request will succeed, because the Client is able to send an HTTP Request to: http://176.139.128.16/EVExplorer/.

3.4 ExternalExplorerUrl in the 'Web.config' file

To change the ExternalExplorerUrl, add the following key to the 'appSettings' section in the 'Web.config' file:

```

<appSettings>
  <add key="ExternalExplorerUrl" value="<ServerName/IPAddress>" />
</appSettings>
  
```

The default location of the 'Web.config' file is 'C:\Program Files\Applix\Executive Viewer\Explorer'.

The value of the key 'ExternalExplorerUrl' can either be the name of the Server or the IP Address of the Server on which Executive Viewer Explorer is running.