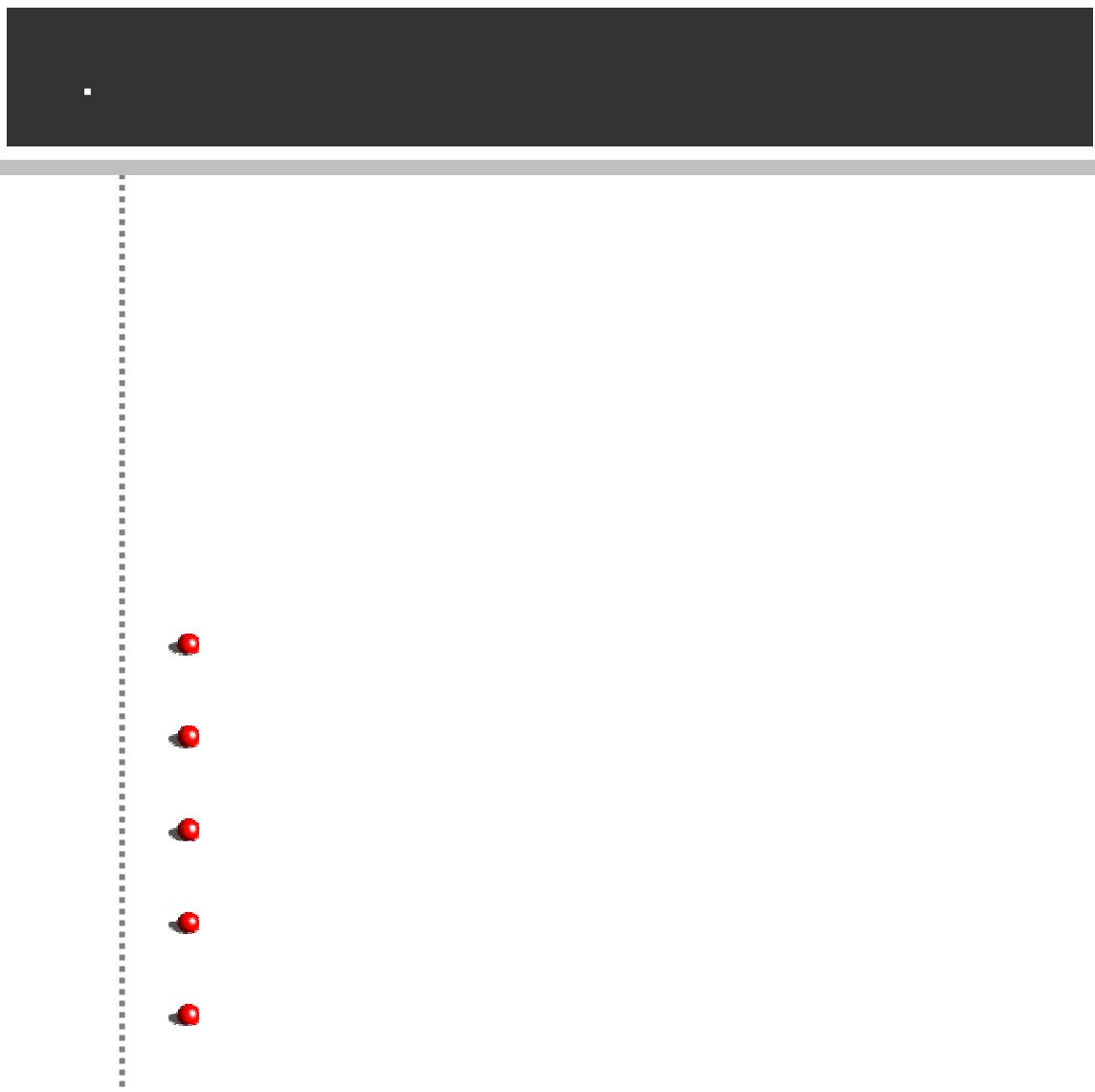


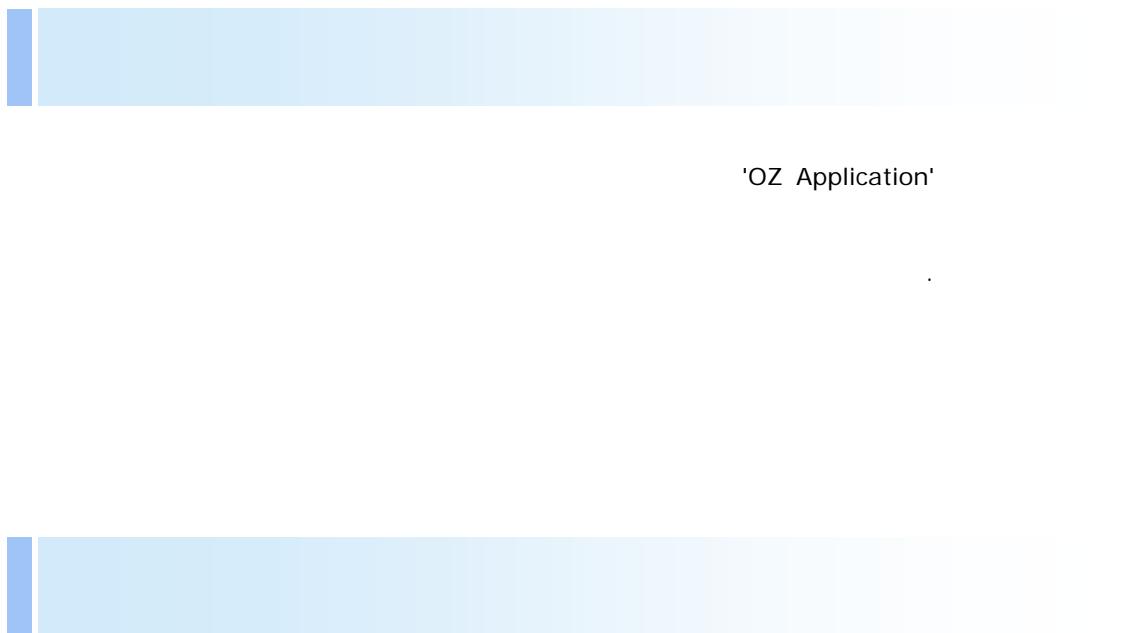
.	3
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Step 3.	47	

OZ Application Getting Started

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Step 1.	48
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Step 3.	51
Step 4.	53
	55



OZ Application Getting Started



'OZ Application'



[Features Overview](#) [Quick Tour](#)

Features Overview

Quick Tour

OZ Application

OZ

Manual	Description
Getting Started	
	OZC, OZS, OZF
	가
	가
WAS	

- 
- DB (JDBC/ODBC, SQL)
 - WAS(Web Application Server)
 - (HTML, JavaScript)

- 
- (Intranet)
 - (B2B)
 - B2C
 - , / (G2B, G2C)
 - ASP/MSP

가

. Features Overview

-
- **Features**
-
-



(OZ Application Designer)

- C/S
- Built-in
- 가

(OZ Query Designer)

- (ODI:OZ Data Info)
- DB 가
- Drag & Drop

(OZ Enterprise Manager)

-
-
- Non-Stop

(OZ Repository Manager)

-
- ODI

(OZ Application Viewer)

-
- User Interface
- Full ActiveX

(OZ Enterprise Server)

- (Result Set)
- / 가 가
-
- WAS

Features



Drag & Drop

가가

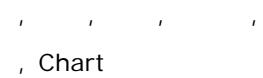


- (TextBox, RichTextBox,
MaskedTextBox, ComboBox),
(NumericUpDown),
(RadioButton,
CheckBox, CheckListBox),
(DateTimePicker,
MonthCalendar),
(Button)
- (Label),
(ListBox, CheckListBox, TreeView),
(PictureBox),
(Progressbar),
(HTMLView)
- 가
ActiveXControl, CustomControl

OZ Application Getting Started



- 2D/3D Chart



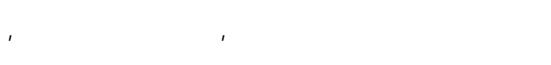
2D/3D Chart

- Table



(Horizontal Navigator, Vertical Navigator)

- CrossTab



- Grid



grid



-

- Export



-

- TabControl

- Invisibles

ContextMenu,

GroupBox, Panel,

MainMenu,

ImageList,

Timer,

ToolTip

■ **JScript**

, JScript

, XML, EJB Non-DB

UDS(User Data Store)

DBMS

가

DBMS

가

가

가 가

■ **OZC(OZComponent)**

ComboBox, ListBox, Chart

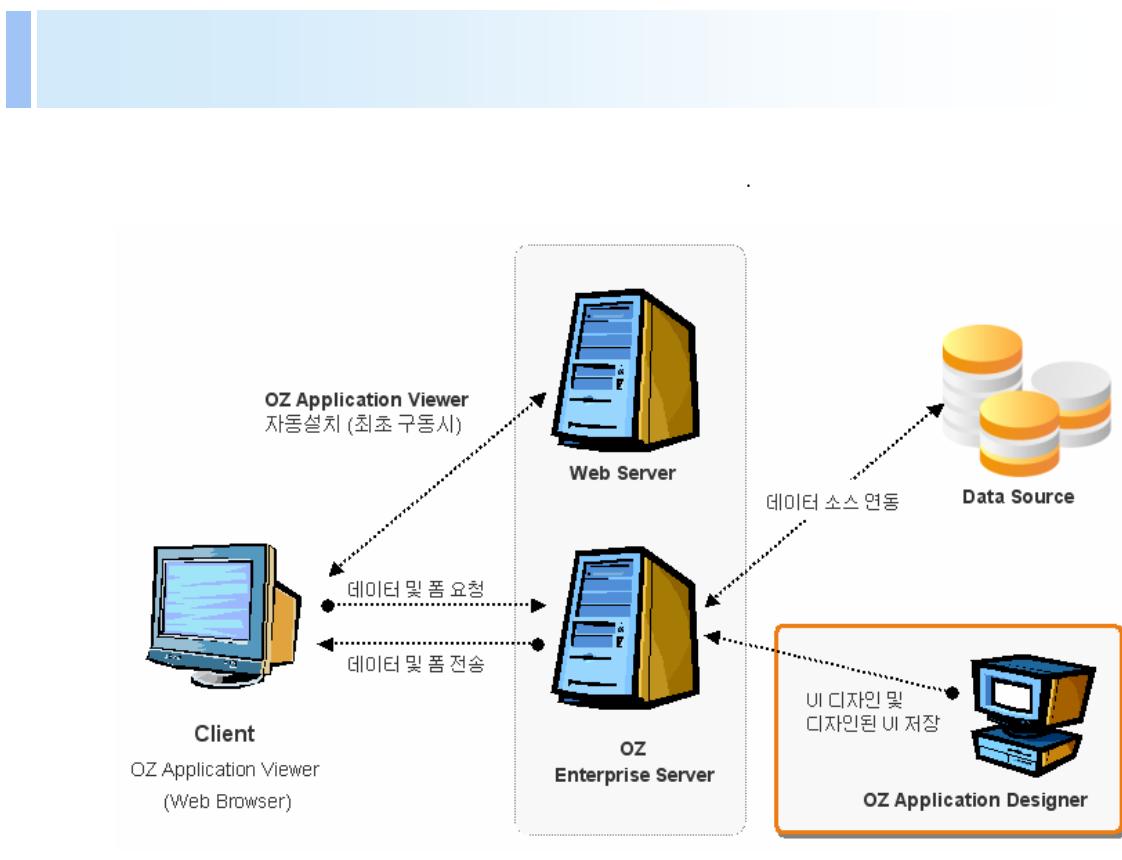
OZC

■ **OZF(OZFunction)**

OZF

- **OZS(OZStyle)**

OZS



가

ODI

ODI

가



/

■ OS

Windows NT 4.0, Windows 2000, Windows XP, Windows 2003

JRE 1.3

■

CPU : Pentium 500MHz

RAM : 256MB(512MB)

: XGA(1024 x 768)

■ OS

Windows 98

Windows NT4.0/2000/XP/2003/Vista .

■

CPU : Pentium 300MHz

RAM : 64MB(128MB)

: SVGA(800 x 600)

■ OS

JRE(Java Runtime Environment) 1.3.X (JRE 1.3.X)

(Windows NT/2000/XP/2003, Linux, HP-UX, Solaris, AIX, Unixware)

■

Internet Information Server(IIS), Netscape Enterprise Server, Apache, NCSE, CERN
HTTP

- WebLogic, WebSphere, Jeus, Tomcat, JRun, iPlanet, SilverStream, NetAction, EAServer, iAS, AppServer, NEC WebOTX, Fujitsu Interstage
 - Oracle, MS SQL Server, DB2(UDB), Informix, Sybase, IngresII JDBC ODBC DBMS

■ OS

Windows NT 4.0, Windows 2000, Windows XP, Windows 2003

- CPU : Pentium 500MHz
RAM : 128MB(256MB)
 : XGA(1024 x 768)

. Quick Tour



Step1. ODI

Step2.

Step3.

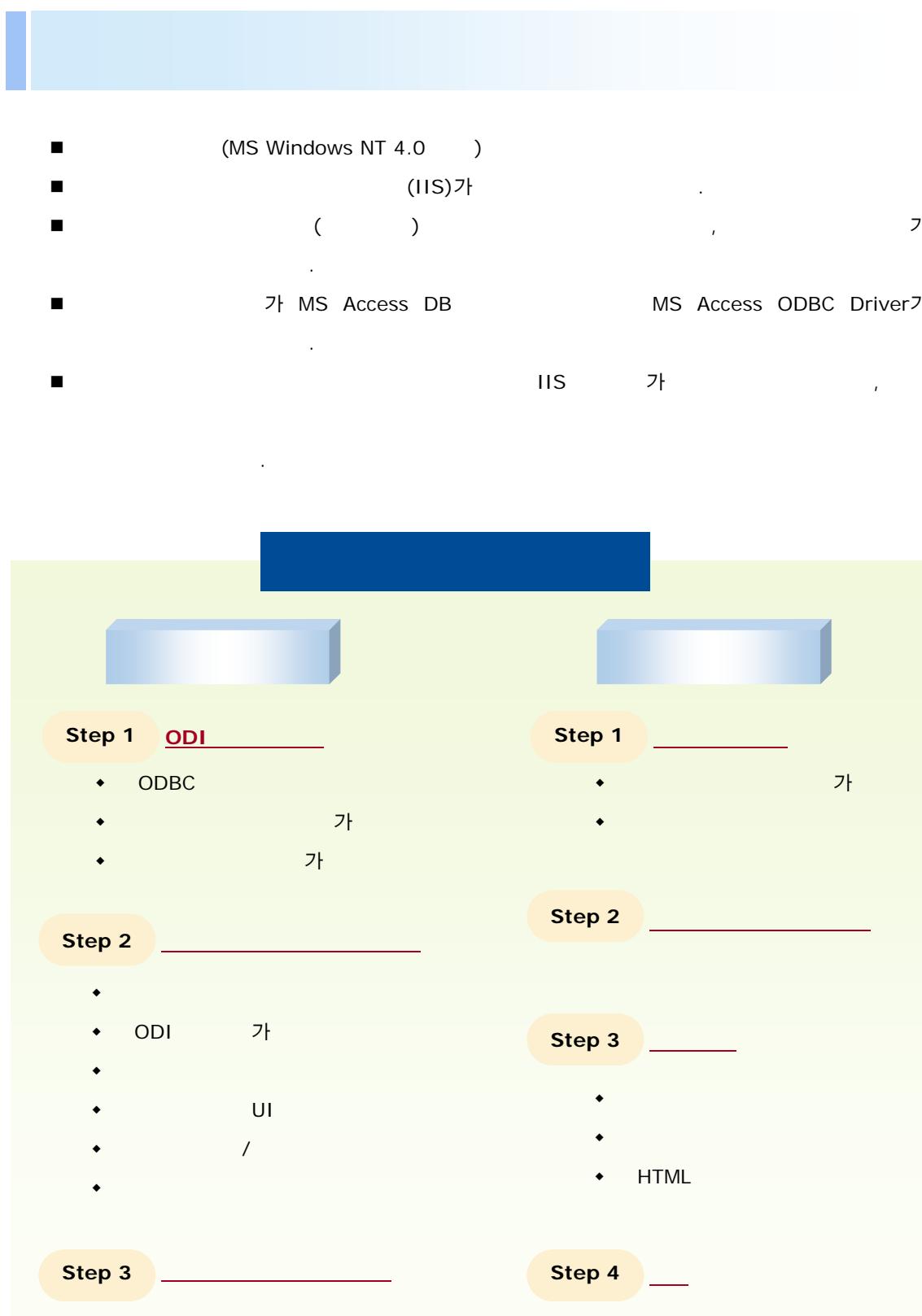


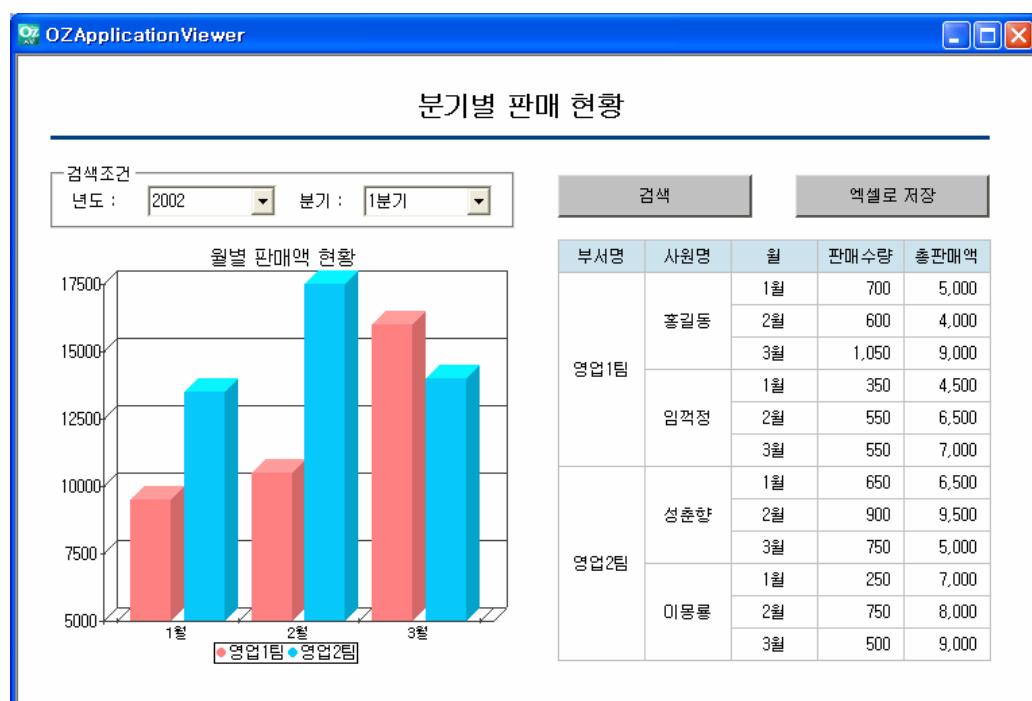
Step1.

Step2.

Step3.

Step4.



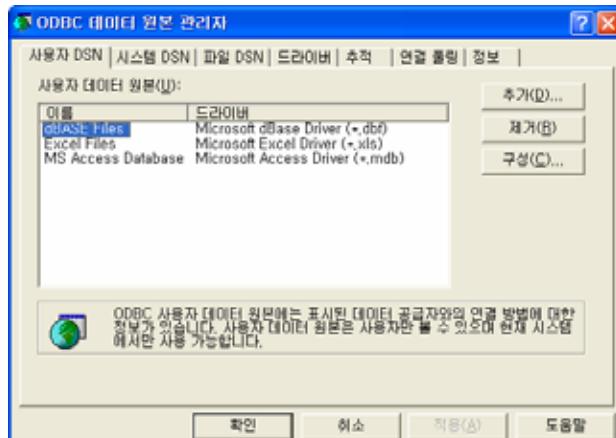


Step 1 ODI

◆ ODBC

DB	ODBC	ODBC
Microsoft Access DB	AppSample.mdb	, DB
	AppSample.mdb	ODBC
	(DSN)	'AppSample'

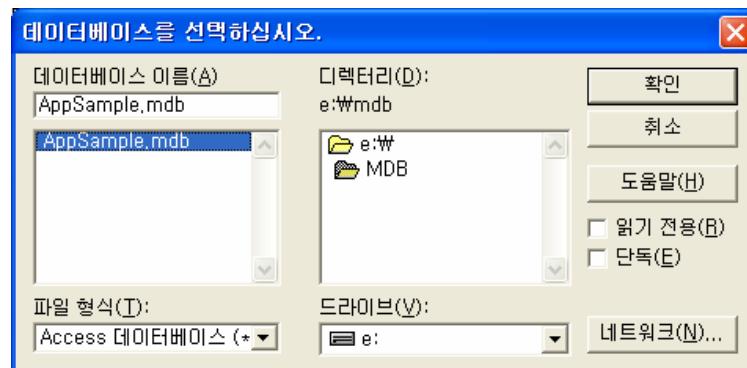
1) [] [] [] (ODBC)] ODBC



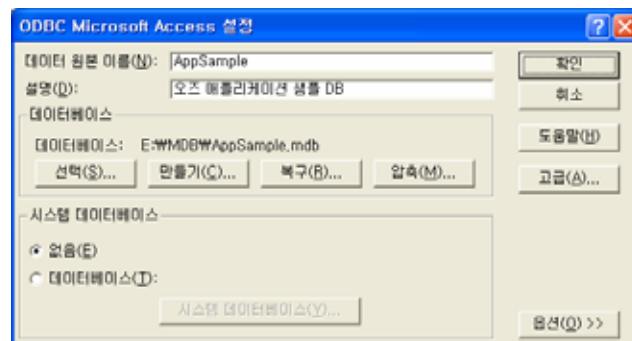
2) [DSN] [가] Microsoft Access
Driver (*.mdb)



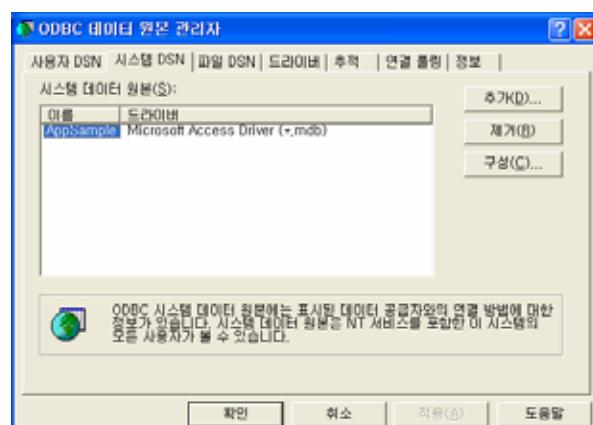
3) 'AppSample'
'AppSample.mdb'



4) 가 []



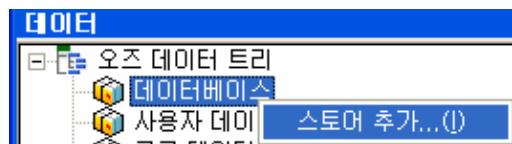
5) 'AppSample' 가



◆ 가
(OZ Query Designer)

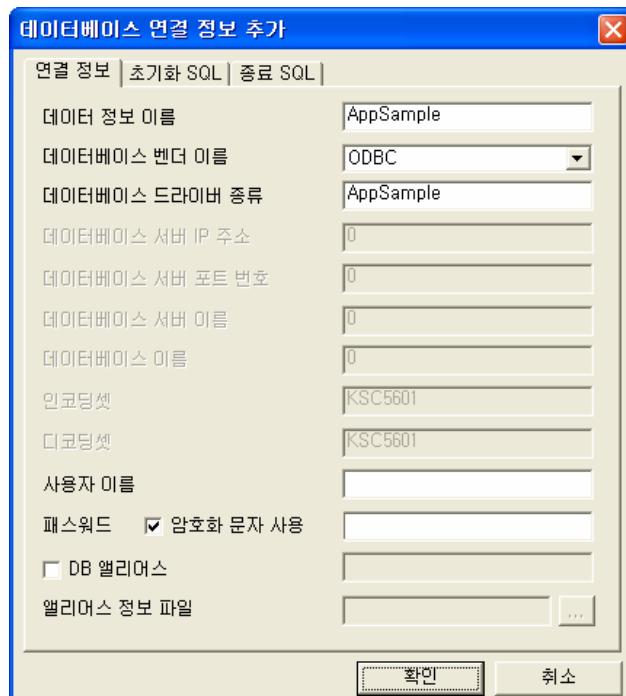
1)

[]
[] 가]

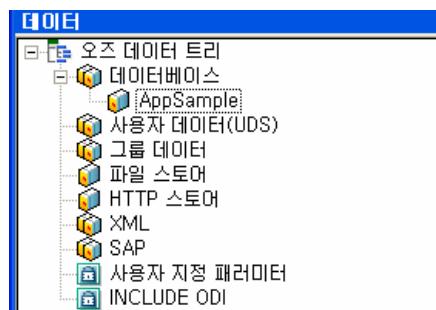


2) [] 가

'AppSample' [] 'ODBC'
[] ODBC
'AppSample'



3) 가



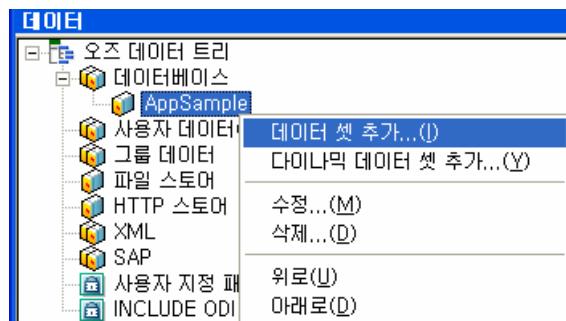
◆ 가

가

가

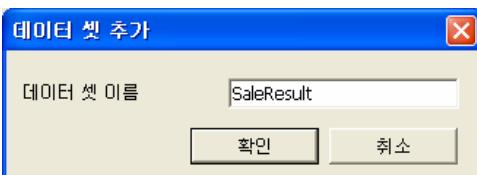
1) [AppSample]

[가]



2) [] 'SaleResult' []

가

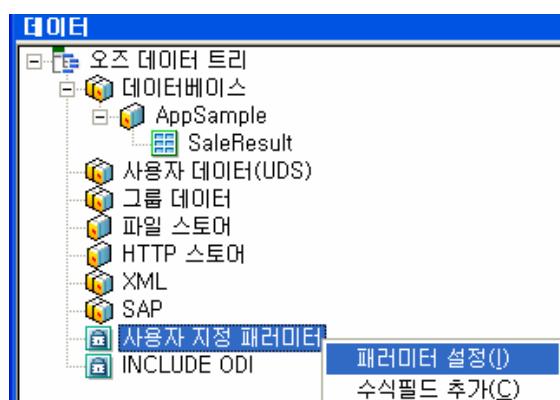


3)

가

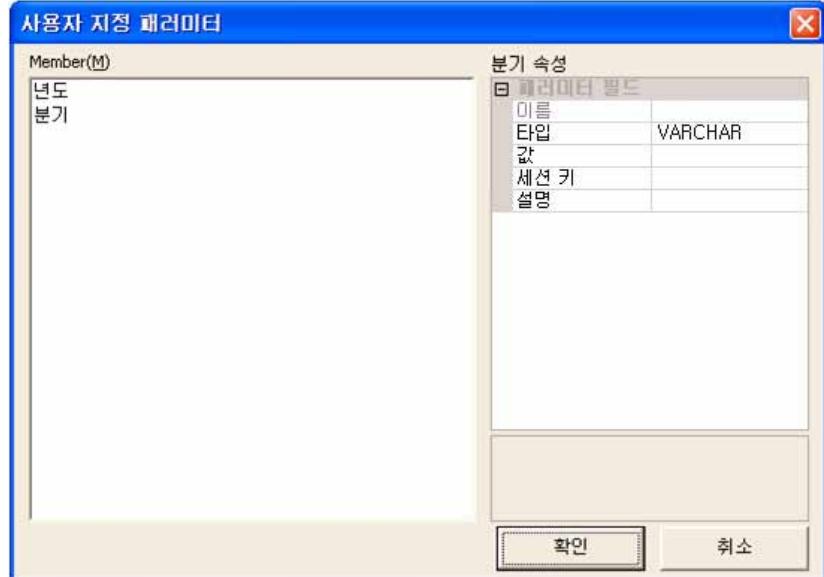
[]

[]

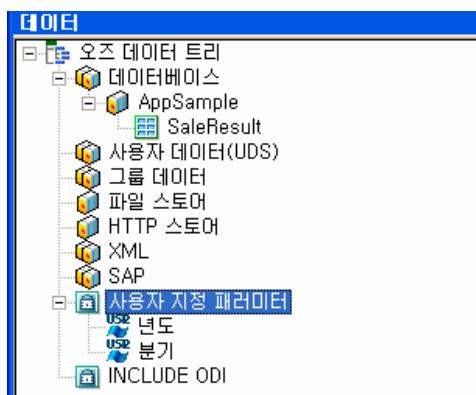


[]

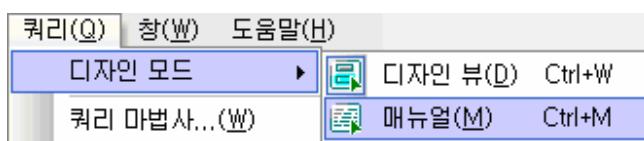
가



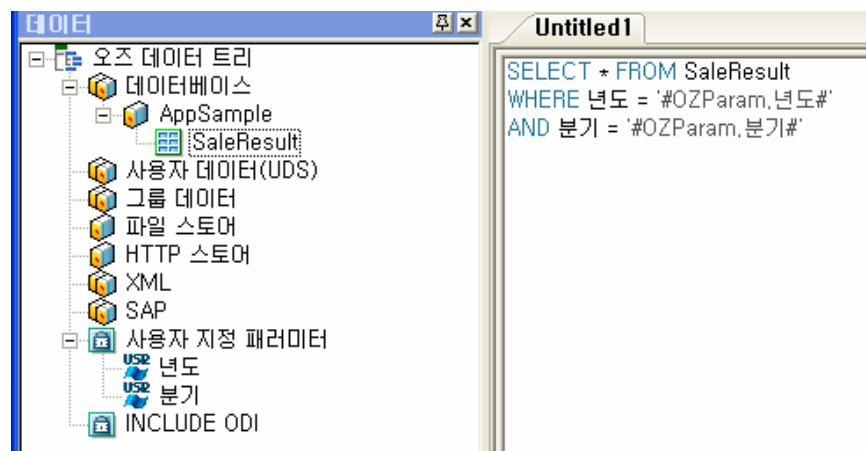
[] 가 가 .



4) 가
 .
 'SaleResult' [] → []
] → [] .
 " "



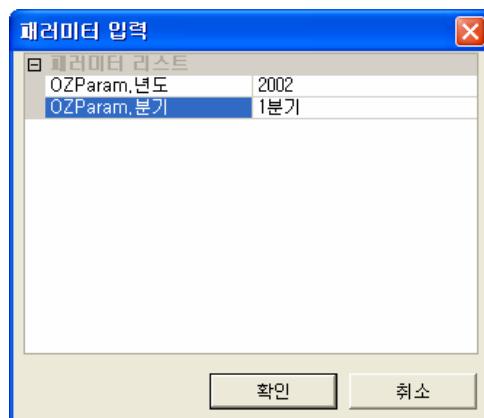
5)



```
SELECT * FROM SaleResult
WHERE      = '#OZParam.    #'
AND       = '#OZParam.    #'
```

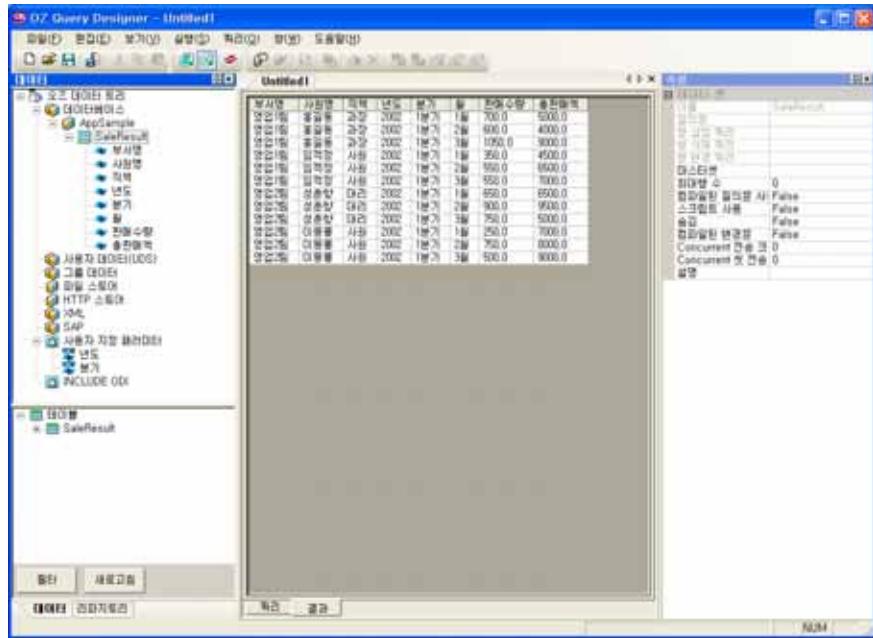
6)

( <F5>
 'OZParam. '2002' 'OZParam. '1
 []

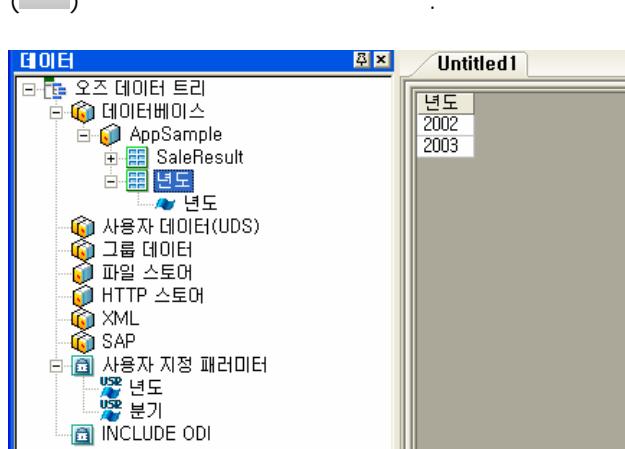


'SaleResult'

OZ Application Getting Started



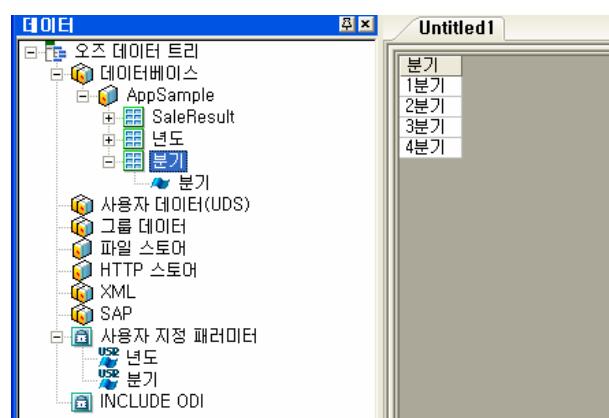
7) 가) [가] (4), 5)) ()



```
SELECT Distinct SaleResult. FROM SaleResult
```

'AppSample'

[] 가]



SELECT Distinct SaleResult.
FROM SaleResult

8) ODI [] []

'AppSample.odi'

'C:\Repository'

Step 2



1) [] []
()



2) [] []

[] []

C:\Repository



◆ ODI 가

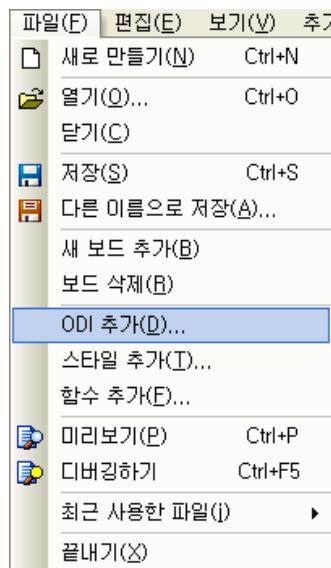
ODI (AppSample.odi) 가 .

1) ODI 가 .

[] [ODI 가]

'AppSample.odi' [] 가 .

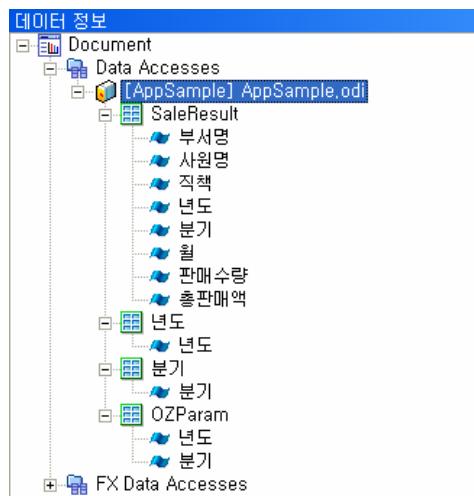
[] 'AppSample.odi'



2)

[] .

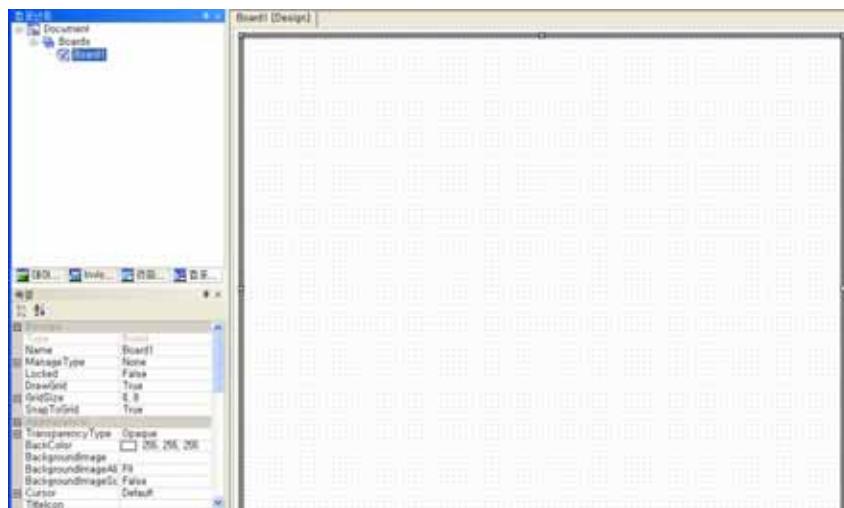
가 ODI





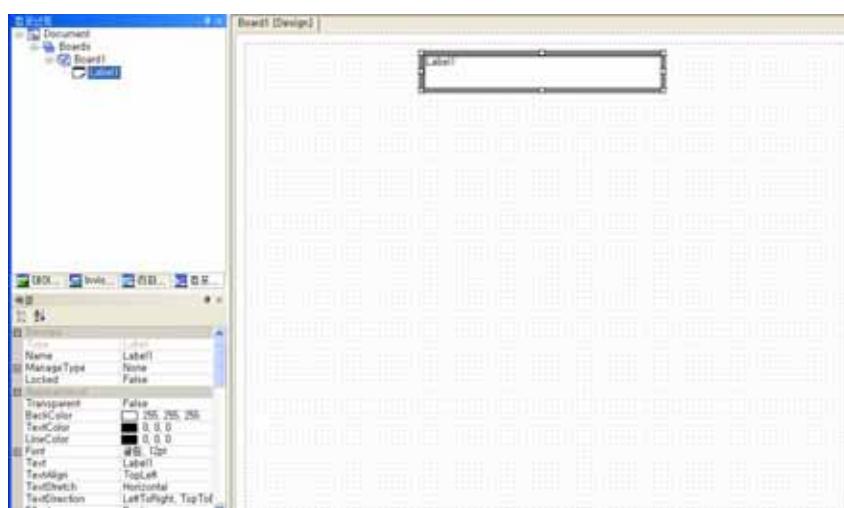
1)

[] [Board1] 'BackColor'
[...]



2)

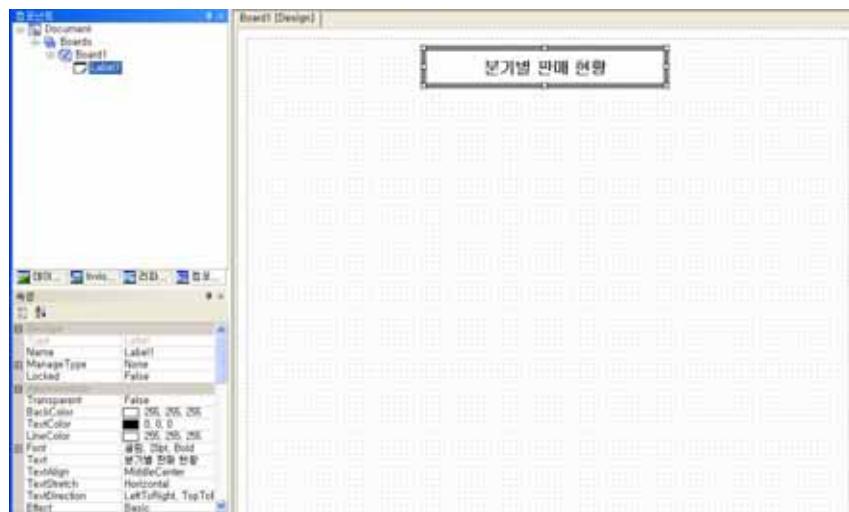
[가] [] [] (A)
Drag & Drop 가



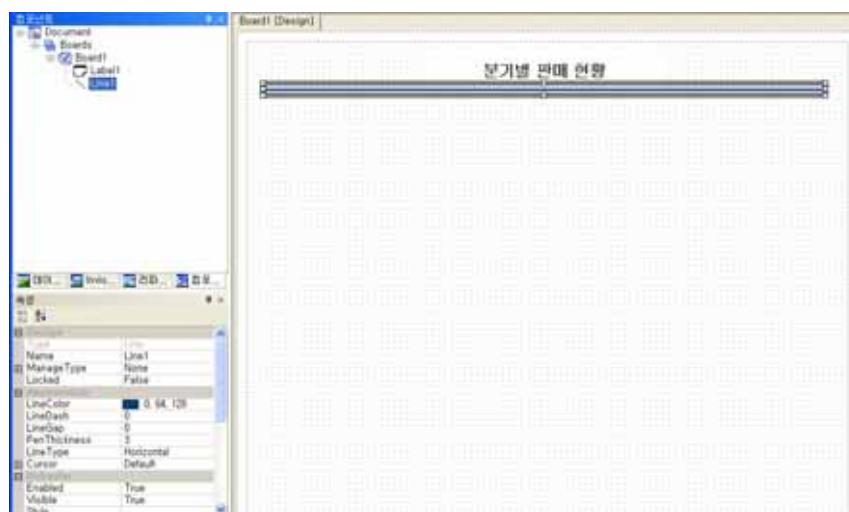
3) 가

'Label1'

```
'BackColor'      'LineColor'           , 'Font'      ' ', 20pt, Bold' ,
'TextAlignment'   'MiddleCenter'       , 'Text'      ' '
```



4) 가
 [가] [] [] ()
 Drag & Drop 가
 'Line1'
 'LineColor'
 'PenThickness'



User Interface

가

가

1)

가



2)

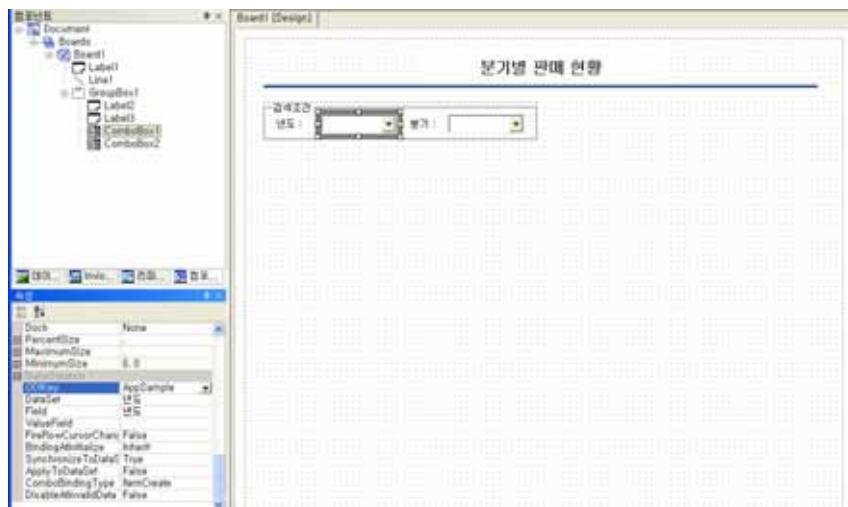
2

가

3)

ODI

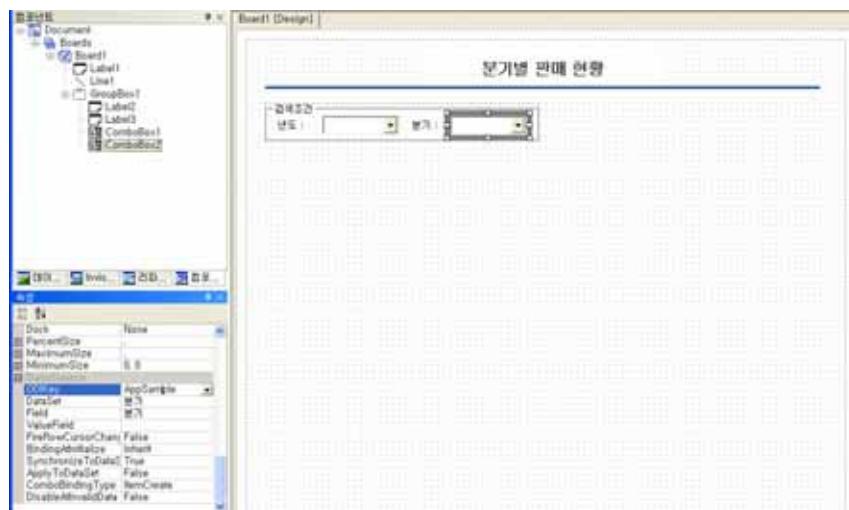
'ComboBox1'
 'ODIKey' 'AppSample' , 'DataSet' , , 'Field'



'ComboBox2'

'ODIKey' 'AppSample' ,

'DataSet' ' ', 'Field'

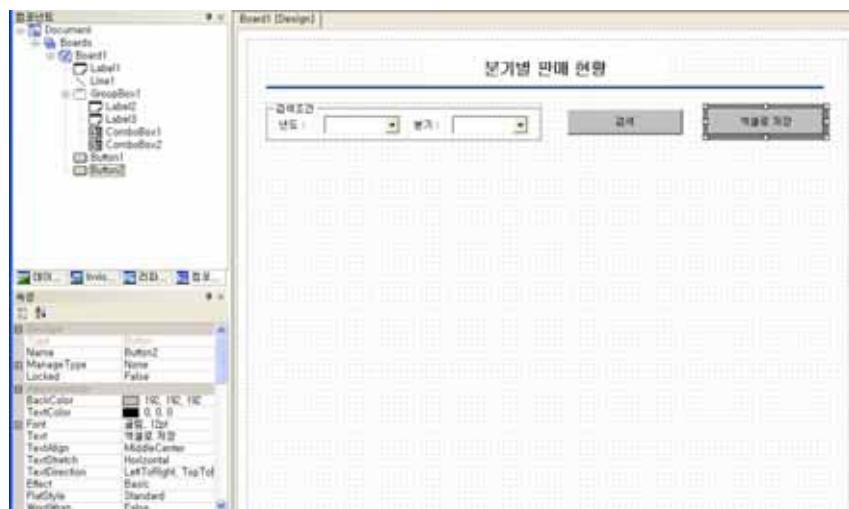


4)

가

가 가

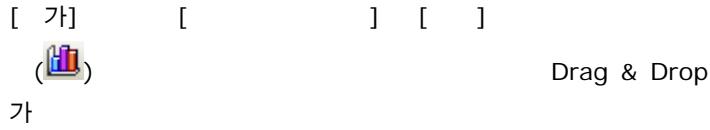
Text



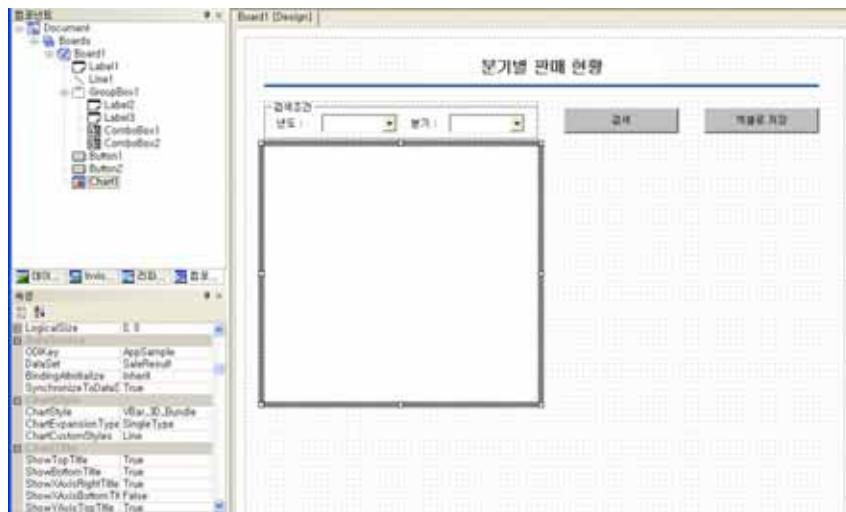
QDI

1)

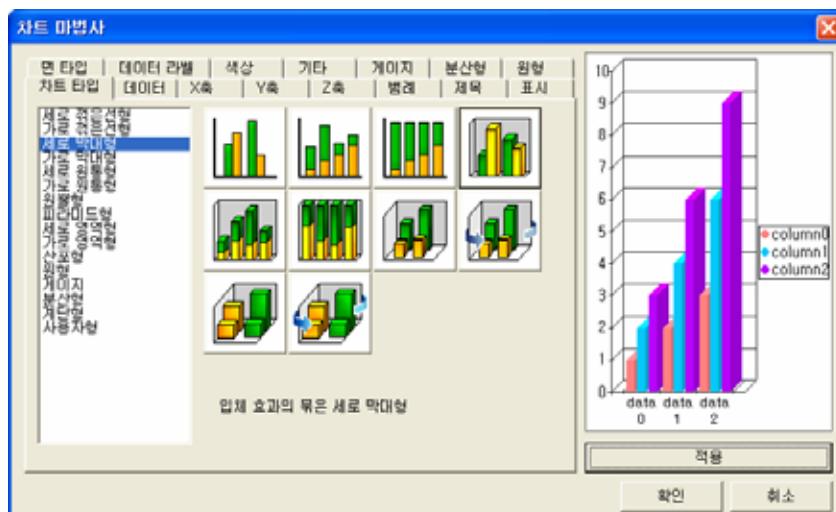
OZ Application Getting Started



2) ODI
'Chart1'
'ODIKey' 'AppSample' 'DataSet'
'SaleResult'

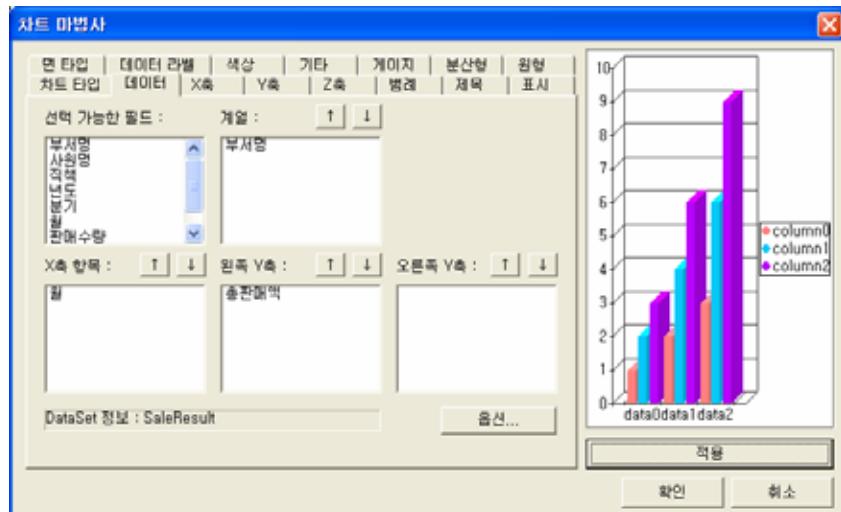


3)
[
]
[]



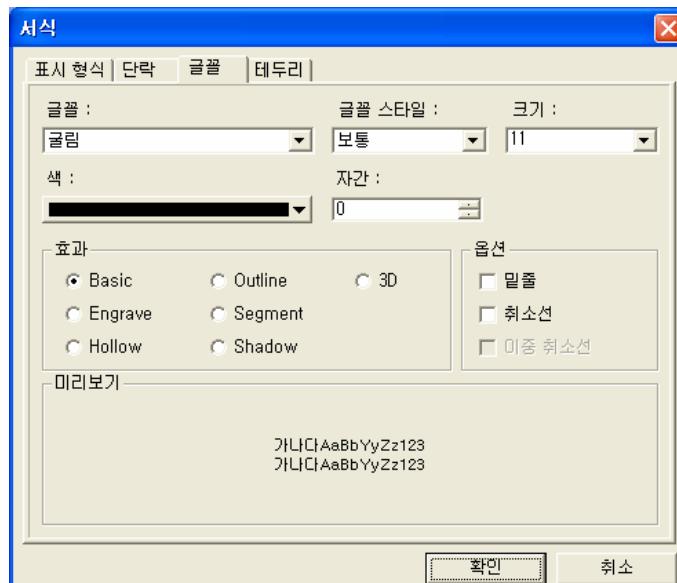
4) [] X , Y ,

Drag & Drop .

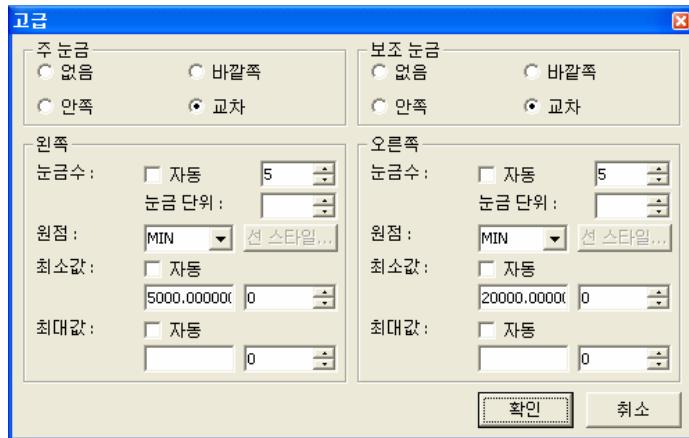


5) , , X , , Y , /

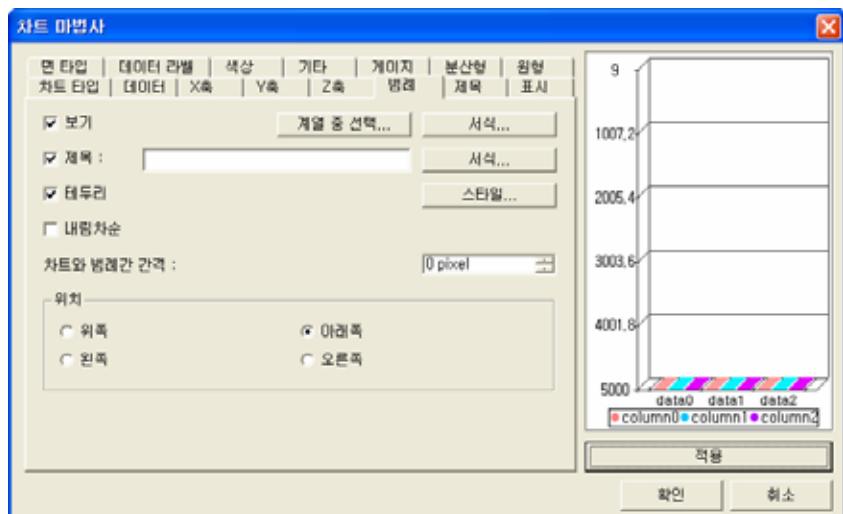
[X] [] X



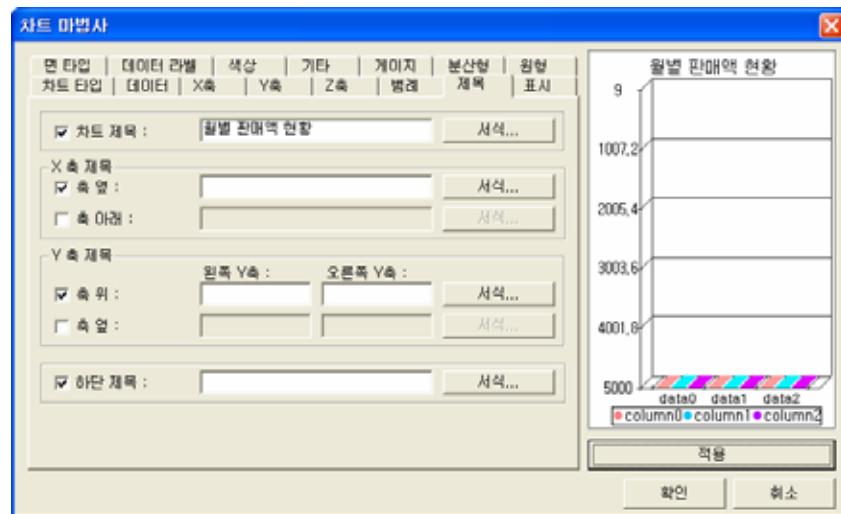
[Y] [] Y , /



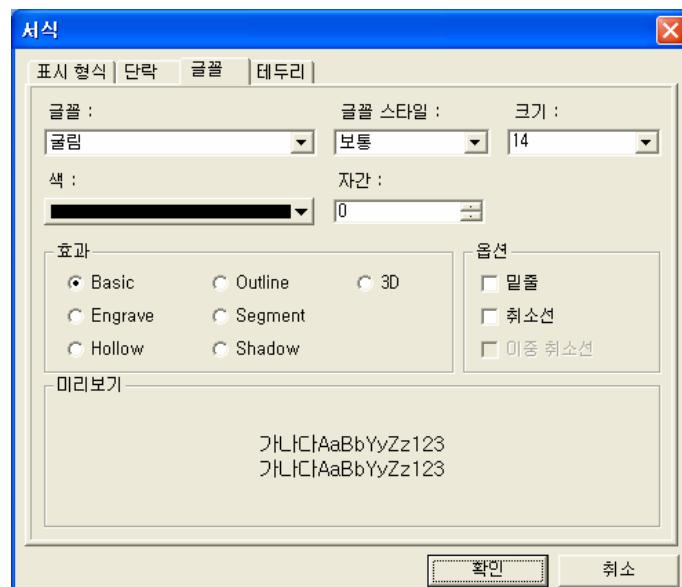
[]



[]



[]



ODI

1) 가 .

[가] [] []

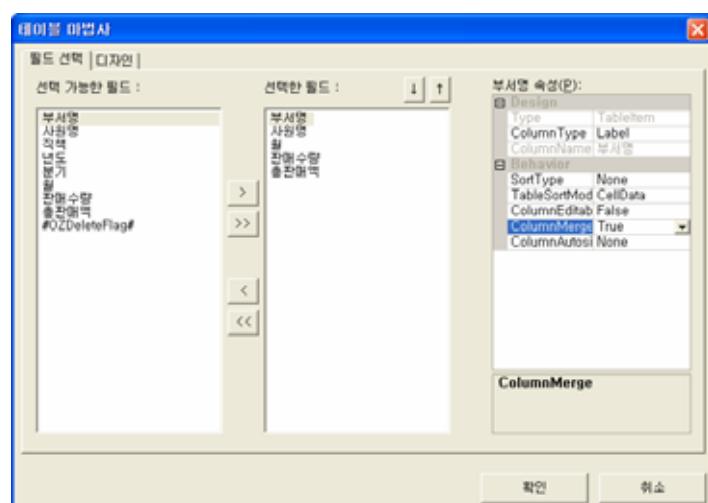
OZ Application Getting Started

()
가

2) ODI
'Table1' 'ODIKey' 'AppSample' , 'DataSet'
'SaleResult'

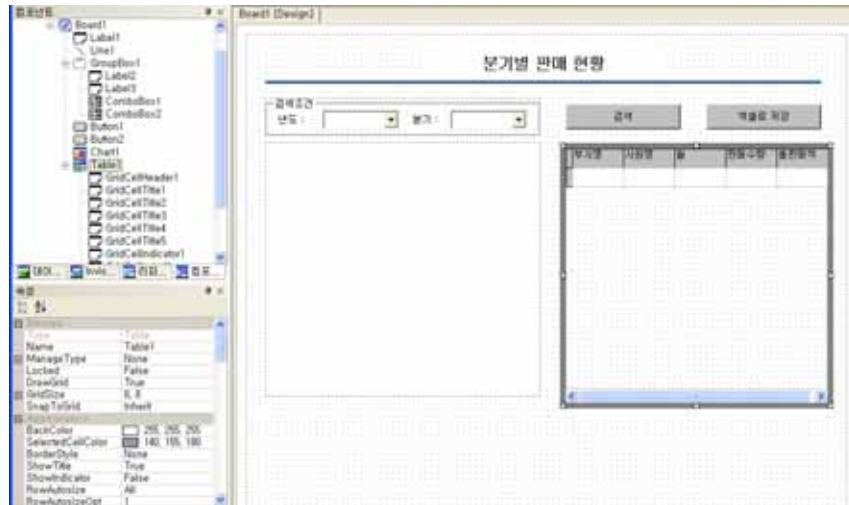
3) 가 []

/ 가 [>>] [>] 가
 가 / [<<] [<]



'ColumnMerge'

[]



4)

'Table1'

'ShowIndicator'

'False'

'GridCellHeader', 'GridCellTitle', 'GridCellIndicator'

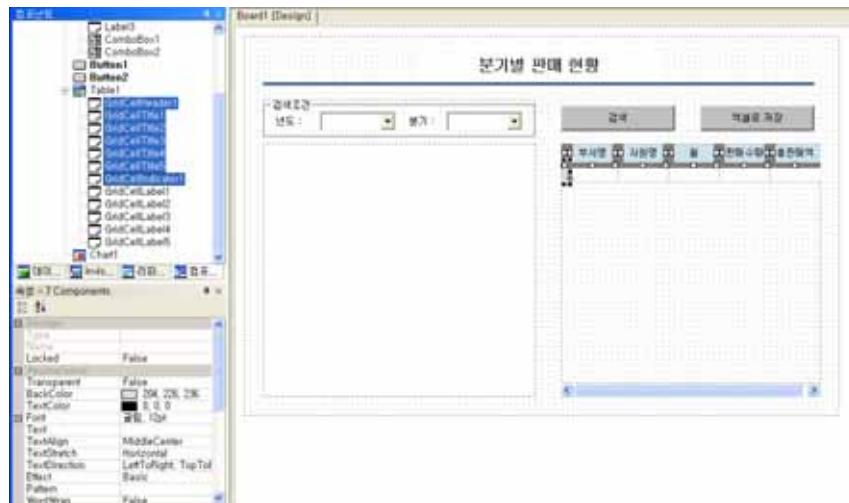
가

'Table1'

'GridCellHeader1'

<Shift>

'GridCellIndicator1'



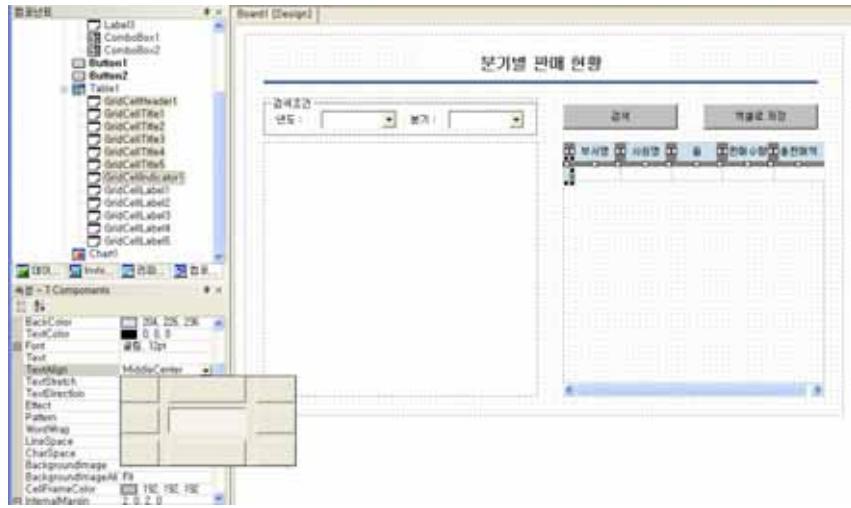
'BackColor'

(

'204,226,236'), 'CellFrameColor' '192,192,192' , 'Font' ' ,

OZ Application Getting Started

12pt' , ' TextAlign' 'MiddleCenter'



가

'CellLabel'

(

) 'Font' 12pt' ,

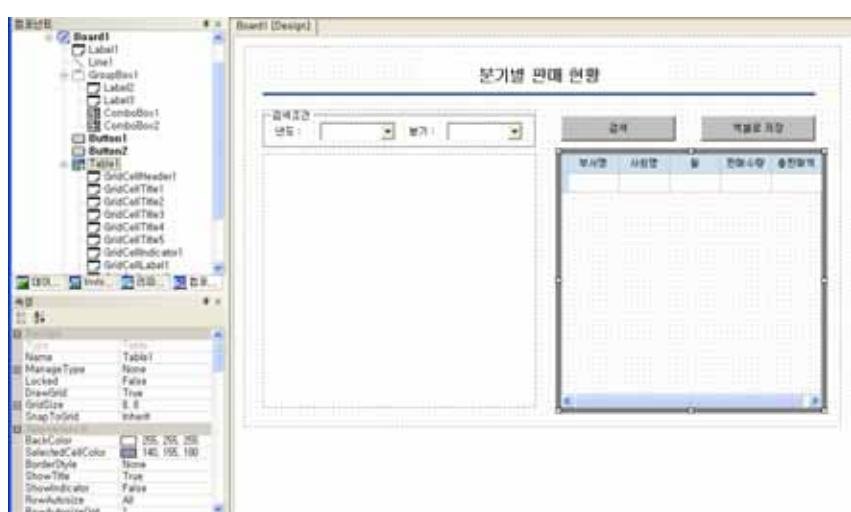
' TextAlign' 'MiddleCenter'

'CellLabel'

'Font'

12pt' , ' TextAlign' 'MiddleRight'

'Pattern' [...], 'InternalMargin'
'0,0,10,0'

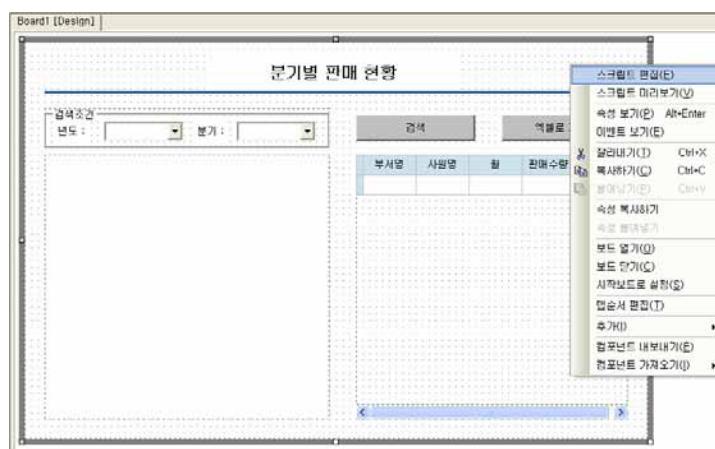




1)

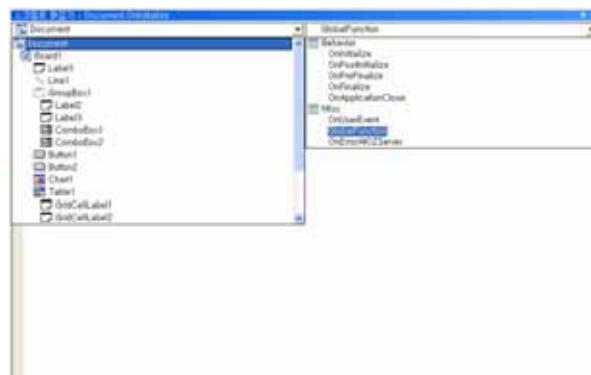
[

]



'Document'

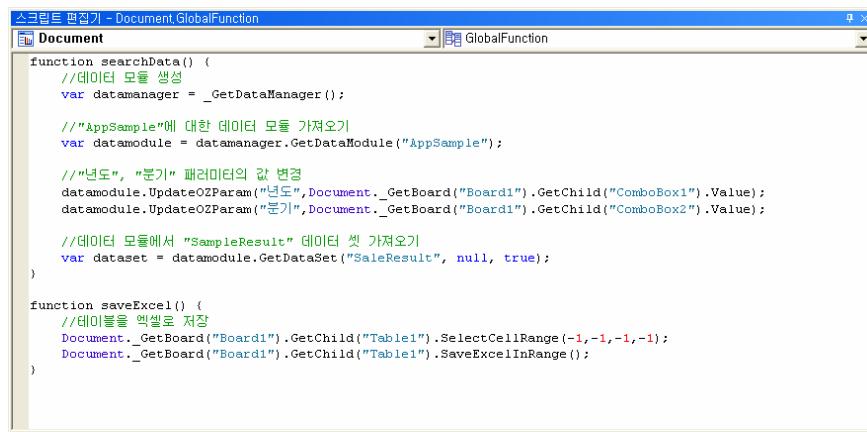
'GlobalFunction'



'searchData()'

'saveExcel()'

OZ Application Getting Started



```
스크립트 편집기 - Document.GlobalFunction
Document GlobalFunction
function searchData() {
    //데이터 모듈 생성
    var datamanager = _GetDataManager();

    // "AppSample"에 대한 데이터 모듈 가져오기
    var datamodule = datamanager.GetDataModule("AppSample");

    // "년도", "분기" 패러미터의 값 변경
    datamodule.UpdateOZParam("년도", Document._GetBoard("Board1").GetChild("ComboBox1").Value);
    datamodule.UpdateOZParam("분기", Document._GetBoard("Board1").GetChild("ComboBox2").Value);

    // 데이터 모듈에서 "SaleResult" 데이터 셋 가져오기
    var dataset = datamodule.GetDataSet("SaleResult", null, true);
}

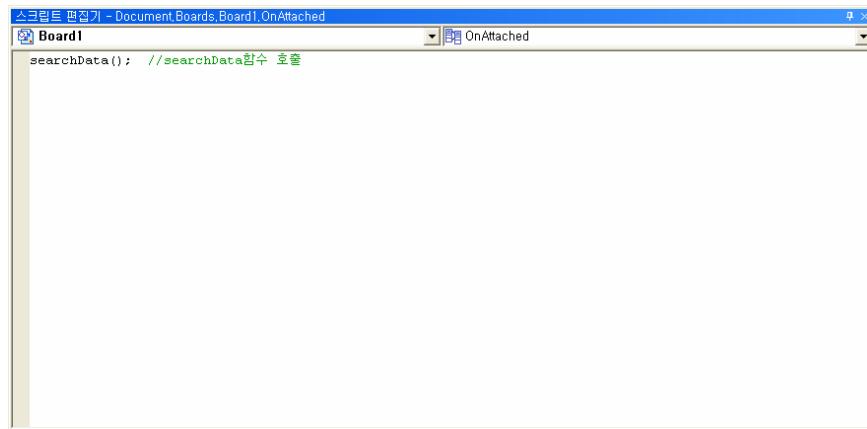
function saveExcel() {
    // 데이터를 엑셀로 저장
    Document._GetBoard("Board1").GetChild("Table1").SelectCellRange(-1,-1,-1,-1);
    Document._GetBoard("Board1").GetChild("Table1").SaveExcelInRange();
}
```

2) 가

'Board1'

'OnAttached'

'searchData()'



```
스크립트 편집기 - Document.Boards.Board1.OnAttached
Board1 OnAttached
searchData(); //searchData 함수 호출
```

3)

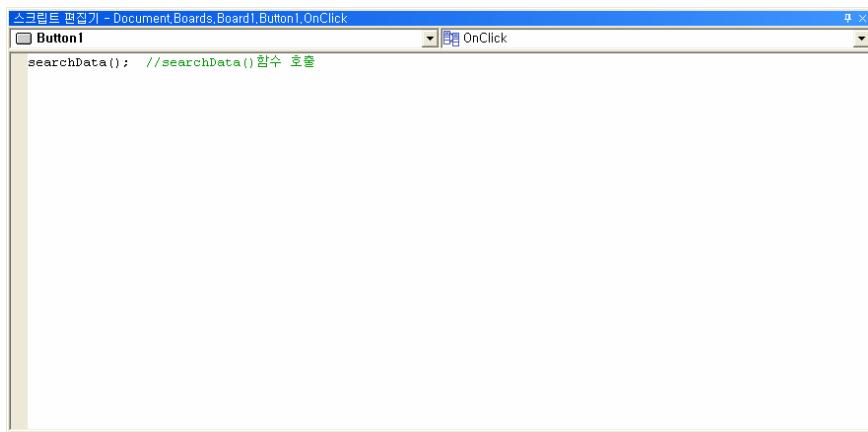
[]

가

'Button1'

'OnClick'

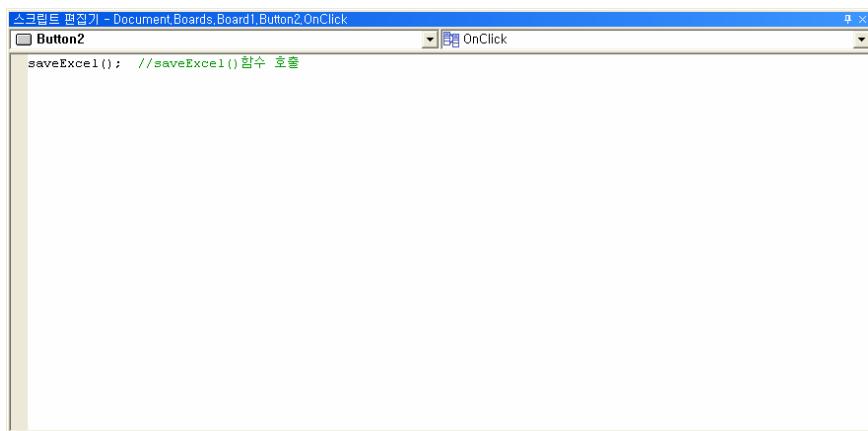
'searchData()'



```
스크립트 편집기 - Document.Borads.Board1.Button1.OnClick
[Button1] [ ] OnClick
searchData(); //searchData() 함수 호출
```

4) [] 가

'Button2'
'OnClick' 'saveExcel()'

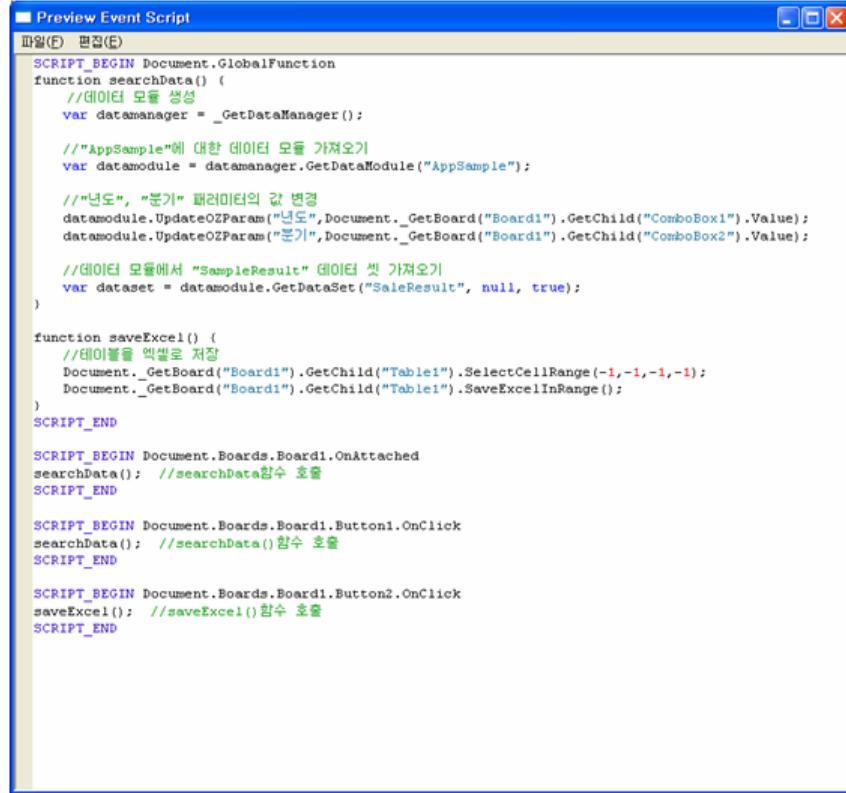


```
스크립트 편집기 - Document.Borads.Board1.Button2.OnClick
[Button2] [ ] OnClick
saveExcel(); //saveExcel() 함수 호출
```

5)

[] []

OZ Application Getting Started



The screenshot shows a software interface titled "Preview Event Script". The window contains a code editor with the following JavaScript-like script:

```
■ Preview Event Script
파일(F) 빙점(E)
SCRIPT_BEGIN Document.GlobalFunction
function searchData() {
    //데이터 모듈 생성
    var datamanager = _GetDataManager();

    // "AppSample"에 대한 데이터 모듈 가져오기
    var datamodule = datamanager.GetDataModule("AppSample");

    // "년도", "분기" 패러미터의 값 변경
    datamodule.UpdateOZParam("년도", Document._GetBoard("Board1").GetChild("ComboBox1").Value);
    datamodule.UpdateOZParam("분기", Document._GetBoard("Board1").GetChild("ComboBox2").Value);

    //데이터 모듈에서 "SaleResult" 데이터셋 가져오기
    var dataset = datamodule.GetDataSet("SaleResult", null, true);
}

function saveExcel() {
    //데이터를 엑셀로 저장
    Document._GetBoard("Board1").GetChild("Table1").SelectCellRange(-1,-1,-1,-1);
    Document._GetBoard("Board1").GetChild("Table1").SaveExcelInRange();
}
SCRIPT_END

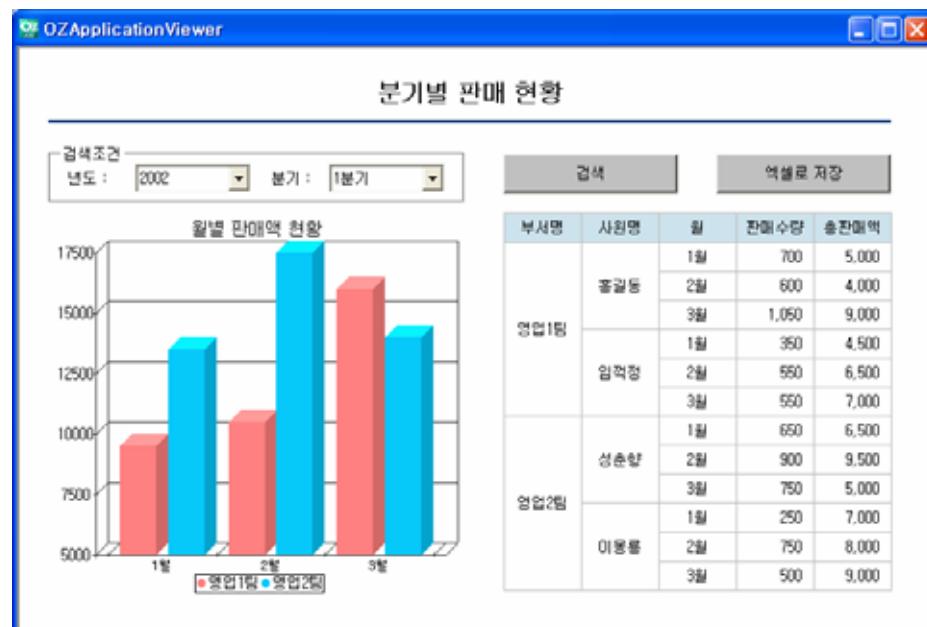
SCRIPT_BEGIN Document.Borads.Board1.OnAttached
searchData(); //searchData 함수 호출
SCRIPT_END

SCRIPT_BEGIN Document.Borads.Board1.Button1.OnClick
searchData(); //searchData() 함수 호출
SCRIPT_END

SCRIPT_BEGIN Document.Borads.Board1.Button2.OnClick
saveExcel(); //saveExcel() 함수 호출
SCRIPT_END
```

Step 3

[] []



'AppSample.oza'

OZ Application Getting Started

Step 1



가

가

conf

db.properties

가

```
AppSample.vender = odbc
AppSample.dsn = AppSample
AppSample.user =
AppSample.password =
AppSample.maxconns = 5
AppSample.initconns = 2
AppSample.timeout = 5
```

ODBC

Oracle

가



가

bin

ozstart.bat

```
ex Start OZ Server
765 [main] DEBUG resource - Registered 34 frameworks for ALL-PRODUCTS
765 [main] DEBUG server - OS Name : Windows XP
765 [main] DEBUG server - OS Version : 5.1
765 [main] DEBUG server - Java Vendor : Sun Microsystems Inc.
765 [main] DEBUG server - Java Version : 1.3.1_07
765 [main] INFO server -
765 [main] INFO server - OZ Version Info.
765 [main] INFO server - OZ Server : 4.0.0101.20070110 19:31.
67
765 [main] INFO server -
765 [main] INFO server - OZ Common Protocol
765 [main] INFO server - Protocol : 2007
765 [main] INFO server - OZ DataModule
765 [main] INFO server - Streaming Protocol : 2040
765 [main] INFO server -
765 [main] INFO server - This product includes Hypersonic SQL.
765 [main] INFO server -
765 [main] INFO server -
765 [main] INFO server - This product includes software developed by the
765 [main] INFO server - Apache Software Foundation <http://www.apache.org/>.
765 [main] INFO server -
OZ TCP Server is ready up.
812 [main] INFO Server - OZ TCP Server is ready up.
```

Step 2

가

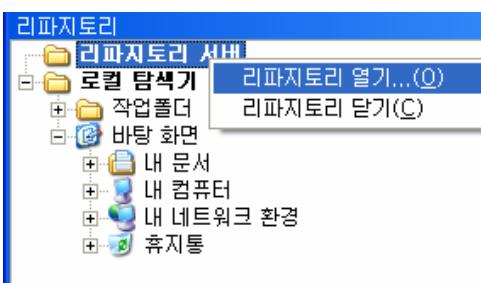
ODI

1)

[]

[

]



2)

[가]

[]

(

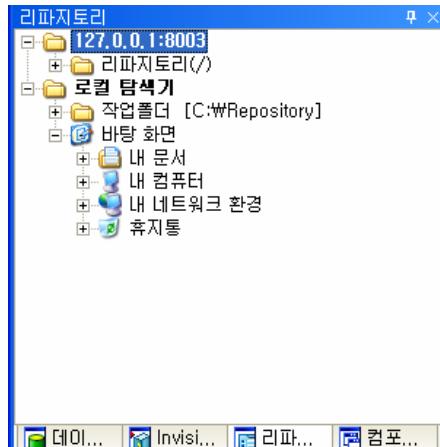
'admin' .)

서버리스트

가져오기	내보내기	폴더 추가	서버 추가	삭제
리파지토리 서비스		서버 이름: Server1 종류: TCP IP: 127.0.0.1 포트: 8003 URL: 이름: admin 비밀번호: ***** <input type="checkbox"/> 비밀번호 저장 최대 저장 히스토리 수: 저장 저장 후 접속 종료		

OZ Application Getting Started

3)



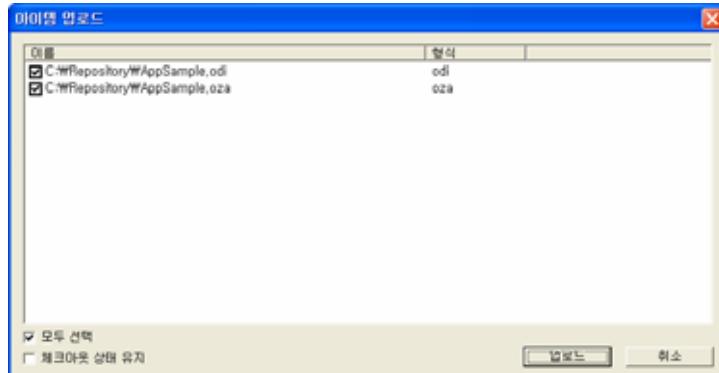
4)

Drag & Drop [

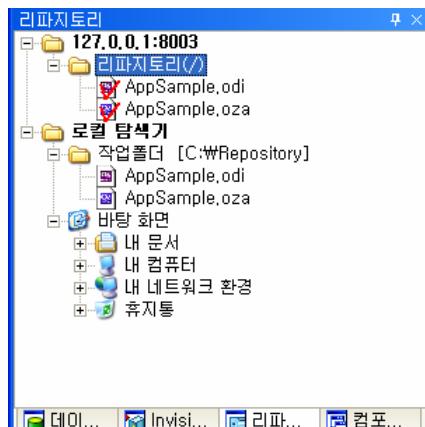
]

'AppSample.oda' ODI

'AppSample.odi'



5)



Step 3



- ztransferx.js

```
var ZTransferXObjectElement = document.createElement('<OBJECT width = "0"
height = "0" ID="ZTransferX" CLASSID="CLSID:C7C7225A-9476-47AC-B0B0-
FF3B79D55E67"
codebase="http://127.0.0.1/OZApplicationViewer/ZTransferX.cab#version=2,1,
0,2"></OBJECT>');
var ZTransferXParamElement1 = document.createElement('<PARAM
NAME="download.Server" VALUE="http://127.0.0.1/OZApplicationViewer/">');
var ZTransferXParamElement2 = document.createElement('<PARAM
NAME="download.Port" VALUE="80">');
var ZTransferXParamElement3 = document.createElement('<PARAM
NAME="download.Instruction" VALUE="ozaviewer.idf">');
var ZTransferXParamElement4 = document.createElement('<PARAM
NAME="install.Base" VALUE="<PROGRAMS>/Forcs">');
var ZTransferXParamElement5 = document.createElement('<PARAM
NAME="install.Namespace" VALUE="CustomNameSpace">');

ZTransferXObjectElement.appendChild(ZTransferXParamElement1);
ZTransferXObjectElement.appendChild(ZTransferXParamElement2);
ZTransferXObjectElement.appendChild(ZTransferXParamElement3);
ZTransferXObjectElement.appendChild(ZTransferXParamElement4);
ZTransferXObjectElement.appendChild(ZTransferXParamElement5);

OZEmbedControlLocation.appendChild(ZTransferXObjectElement);
```

IIS 가
 , IIS 가
 . (IIS → 'OZApplicationViewer'

)



```
<div id="OZEmbedControlLocation">
    <script id="ZTransferX" src="ztransferx.js"></script>
    <script LANGUAGE="Javascript">
        var tag = '<OBJECT id = "OZApplicationViewer"
        CLASSID="CLSID:907A00F3-7390-4EF2-931B-360546587804" width="800"
        height="600"></OBJECT>';
        var paramTag = new Array();
        paramTag[paramTag.length] = '<param name="repository_agent.type"
        value="FROM_OZSERVER">';
        paramTag[paramTag.length] = '<param
        name="repository_agent.ozserver.server" value="127.0.0.1">';
        paramTag[paramTag.length] = '<param
        name="repository_agent.ozserver.port" value="8003">';
        paramTag[paramTag.length] = '<param name="ozadoc.path"
        value="AppSample.oza">';
        paramTag[paramTag.length] = '<param name="viewer.namespace"
        value="CustomNameSpace\bin">';
        oz_activex_build(OZEmbedControlLocation, tag, paramTag);
    </script>
</div>
```

'ozadoc.path'

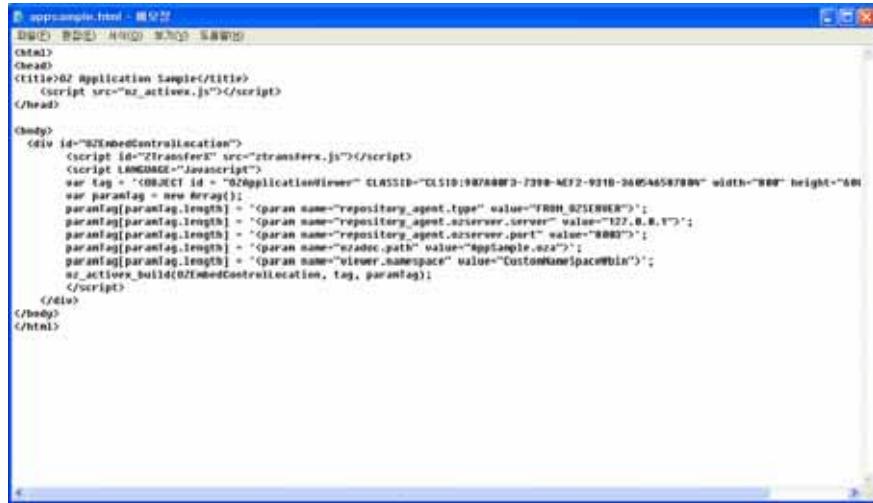
'AppSample.oza'



HTML

HTML

appsample.html



'ztransferx.js'
'oz_activex.js'
HTML

Step 4

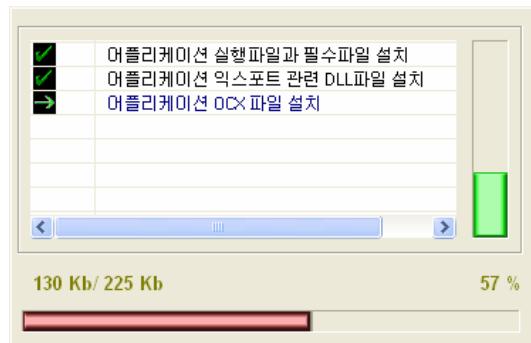
가

1) HTML (appsample.html)

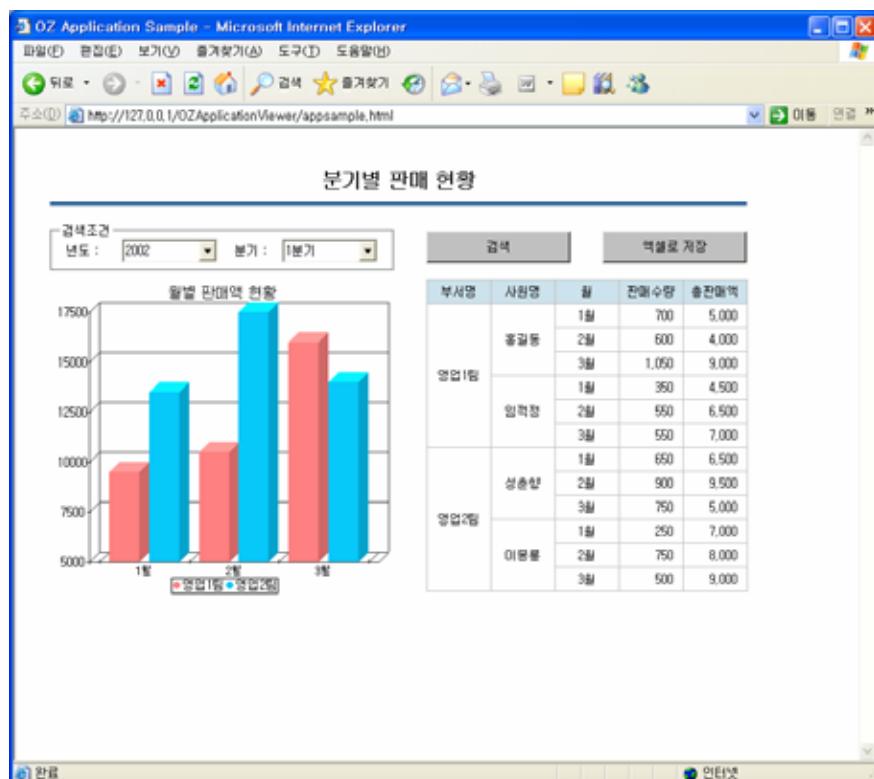
2) Ztransfer Control

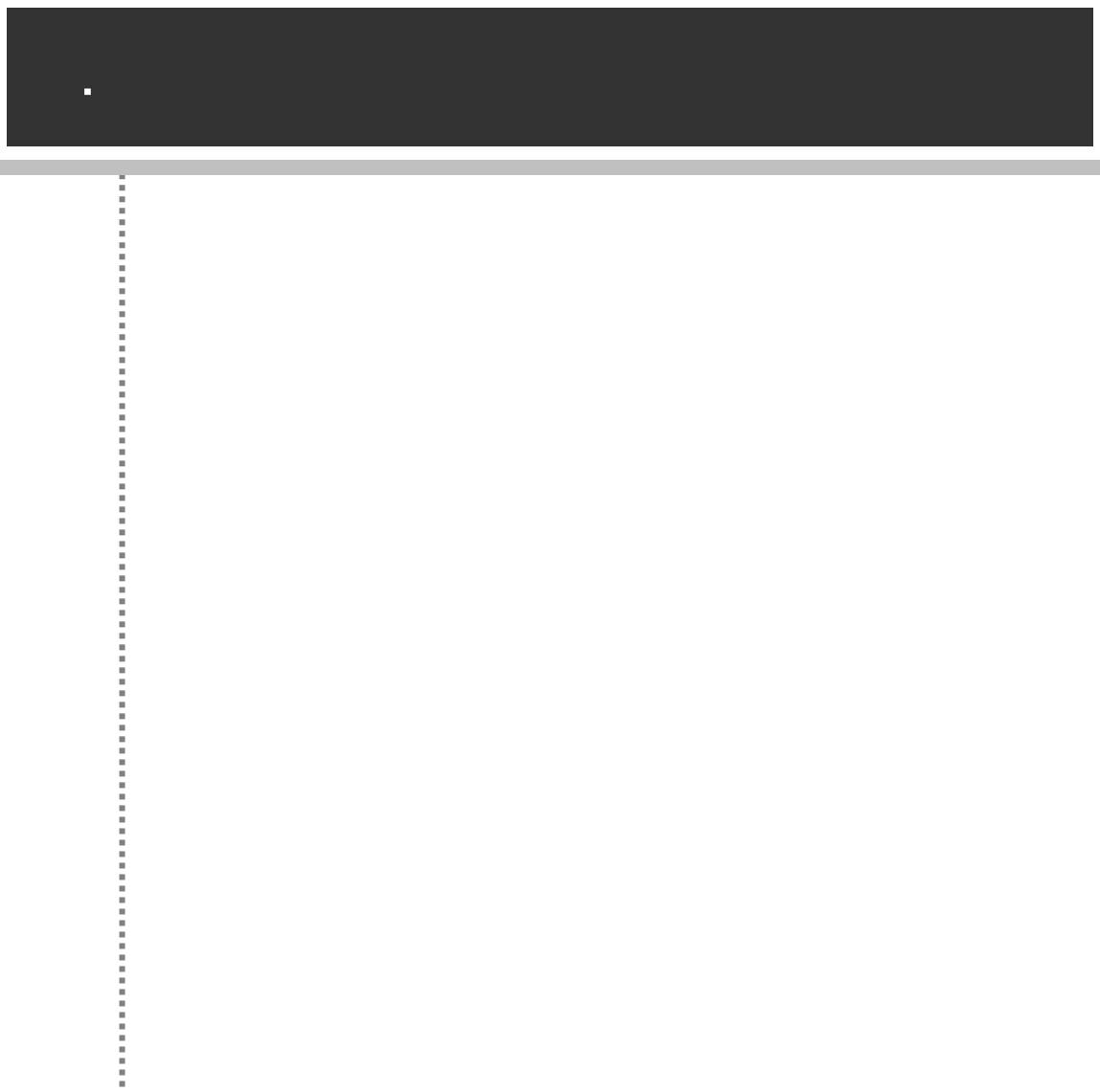


3) Ztransfer가
'install.Base' 'install.Namespace'



4)





가

Quick Tour

가 Overview

Getting Started

http://www.forcs.com

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