

Appendix 1: B1iSN Graphical Design Tool



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▶ **Part 1: Introduction to Graphical Design Screen**

Part 2: Generate/Modify BizPackage

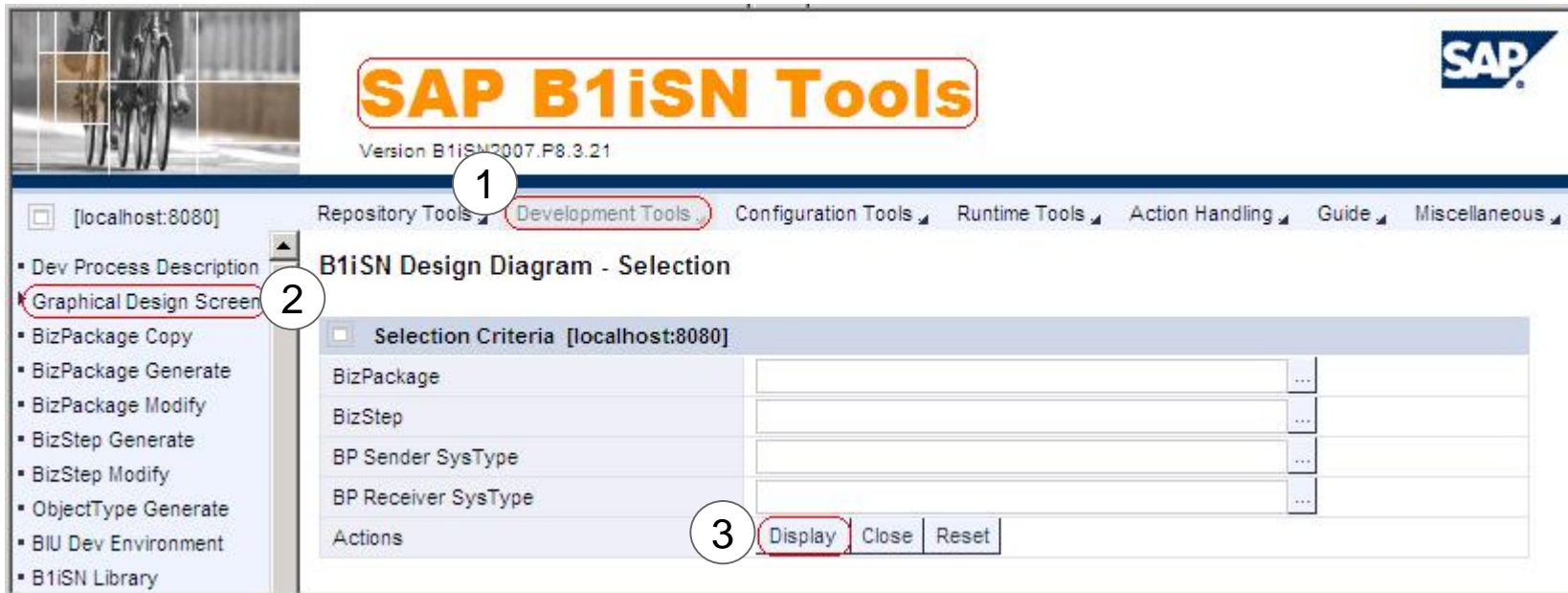
Part 3: Generate/Modify BizStep

Part 4: Modify Object Type

Part 5: Modify System Type

Graphical Design Screen

(Document reference: B1iSN Guide – 02 Integration Development)



The Graphical Scenario Designer gives you a complete overview of particular BizStep/BIUMETA. It allows you to identify wrong or missing configurations and it allows you to correct the settings immediately.

- To modify a particular BizStep/BIUMETA, choose the relevant BizPackage and BizStep, then click Button Display.
- To open an empty Graphical Design screen, leave BizPackage, BizStep as empty, then click Button Display.

Part 1: Introduction to Graphical Design Screen

▶ **Part 2: Generate/Modify BizPackage**

Part 3: Generate/Modify BizStep

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Generate a BizPackage with BIU



B1iSN DesignTime-Diagram - Windows Internet Explorer

http://localhost:8080/B1iXcellerator/exec/dummy/com.sap.b1i.datasync.b1isntools/bfd/B1iSNDesign_main.bfd?!bp=&bs=&snd=&rcv=

B1iSN Graphical Design Environment for Integration Scenarios

Modify Info **New** Select

Info New Select

Modify Info Add Select

BIU Properties

Info

Criteria Fields

Sender SysType

SAP B1iSN Tools - Generate BIU -- Webpage Dialog

http://localhost:8080/B1iXcellerator/exec/dummy/com.sap.b1ip.system.cc/bfd/Selector.bfd?Idafdoc=,./,./com.sap.b1i.datasync.b1isntools/ui/dev

Generation of BizPackage and BIU

Selection Criteria [localhost:8080]

BizPackage Identifier	bp.Z.XXX.B12B1_IC_PUR
BizArea	Sales and Distribution
BIU Identifier	biu.Z.XXX.B1PO2B1SO
Sender SysType	B1.2007
Receiver SysType	B1.2007
Sender ObjectType	Z.B1.2007_MyPO
Receiver ObjectType	B1.2005_SO
Actions	Generate Close Reset

BizPackage Identifier:
XXX.B12B1_IC_PUR

BizArea:
Sales and Distribution

BIU Identifier:
XXX.B1PO2B1SO

Sender SysType:
B1.2007

Receiver SysType:
B1.2007

Sender ObjectType:
Z.B1.2007_MyPO

Receiver ObjectType:
B1.2007_SO

Graphical overview of BizStep



B1iSN DesignTime-Diagram - Windows Internet Explorer

http://localhost:8080/B1iXcellerator/exec/dummy/com.sap.b1i.datasync.b1isntools/bfd/B1iSNDesign_main.bfd?bp=&bs=&snd=&rcv=

B1iSN Graphical Design Environment
for Integration Scenarios

1 Object MyPO to be created

2 System Ext property to be defined

- A green box depicts a specified item, which relevant and correct.
- A yellow box depicts a specified item, which is not correct
- A red box is displayed in case the item relevant for the scenario, mandatory but not yet specified or missing in the repository.

Modify BizPackage: Include a new BIU into BizPackage



The screenshot displays the SAP B1iSN Tools interface. The main window is titled "SAP B1iSN Tools - Modify BizPackage -- Webpage Dialog". It shows a "Selection Criteria" section with the following fields:

BizPackage	bp.Z.XXX.B12B1_IC_PUR
Name	Z.XXX.B12B1_IC_PUR
Id	Z.XXX.B12B1_IC_PUR_D_1
BizArea	Sales and Distribution
Classification	P - Business Integration Process
ProcessType	D - Durable Process
isMulti-Receiver	no
isMulti-Sender	no

The "BizStep Selection" dialog is also visible, showing a "Selection Criteria" section with the following fields:

BizStep ID	biu.Z.B1DN2B1GR
Activity	
Actions	

The "BizStep ID" dropdown menu is open, showing the following options:

- Add to Snd->Rcv BizStep list
- Remove from Snd->Rcv BizStep list
- Add to Rcv->Snd BizStep list
- Remove from Rcv->Snd BizStep list

Numbered callouts indicate the following steps:

- 1: Click the "Modify" button in the BizPackage list.
- 2: Click the "BizStep List" button in the BizStep Selection dialog.
- 3: Select the desired BizStep ID from the dropdown menu.
- 4: Click the "Save" button in the BizStep Selection dialog.

Part 1: Introduction to Graphical Design Screen

Part 2: Generate/Modify BizPackage

▶ **Part 3: Generate/Modify BizStep**

Part 4: Modify Object Type

Part 5: Modify System Type

Generate a new BIU



The screenshot shows the SAP BIiSN Tools interface in a web browser. On the left, a tree view displays several BIU objects, with the 'New' button for 'biu.Z.XXX.02B1SO' circled in red and labeled with a '1'. The main area is a dialog box titled 'SAP BIiSN Tools - Generate/Copy BIU -- Webpage Dialog'. The 'Action' dropdown is set to 'Generate new BIU'. The 'Name of new BIU' field contains 'biu.Z.XXX.B1DN2B1GR'. The 'Sender SysType' is 'B1.2007' and the 'Receiver SysType' is 'B1.2007'. The 'Sender ObjectType' is 'B1.2007_DELV' and the 'Receiver ObjectType' is 'B1.2007_GR'. The 'Generate' button is circled in red and labeled with a '2'. Below the dialog, an 'Explanation' section states: 'Here you can generate a BIU consisting out of the following documents: - BIU/BIUMETA - BIU/Main.bfd'.

Selection Criteria [localhost:8080]	
Action	Generate new BIU
Name of new BIU	biu.Z.XXX.B1DN2B1GR
Copy from BIU	
Sender SysType	B1.2007
Receiver SysType	B1.2007
Sender ObjectType	B1.2007_DELV
Receiver ObjectType	B1.2007_GR
Actions	Generate Close Reset

Explanation

Here you can generate a BIU consisting out of the following documents:

- BIU/BIUMETA
- BIU/Main.bfd

Modify BIU



1

2

SAP B1iSN Tools - Add a BIUMETA document -- Webpage Dialog
Modify of a BIUMETA document

Selection Criteria [localhost:8080]

BizStep Identifier	biu.Z.XXX.B1PO2B1SO
BIUMETA	BIUMETA.B1.2007_B1.2007.xml
Sender SysType	B1.2007
Receiver SysType	B1.2007
Sender ObjectType	Z.B1.2007_MyPO
Receiver ObjectType	B1.2007_SO
Receiver ResponseObjectType	
Task Filter	N (No Taskfilter)
Actions	<input type="button" value="Save"/> <input type="button" value="Close"/> <input type="button" value="Reset"/>

Explanation

Part 1: Introduction to Graphical Design Screen

Part 2: Generate/Modify BizPackage

Part 3: Generate/Modify BizStep

▶ **Part 4: Modify Object Type**

Part 5: Modify System Type

Modify Object Type



The image shows two overlapping windows from the SAP B1iSN Tools. The top window is the 'B1iSN Graphical Design Environment for Integration Scenarios', which displays a diagram of data flow between systems. A circled '1' highlights the 'Modify' button for the 'Sender ObjectType' (Z.B1.2007_MyPO). The bottom window is the 'SAP B1iSN Tools - Generate ObjectType -- Webpage Dialog', which contains a form for defining the object type. A circled '2' highlights the 'SysType' field, which is set to 'B1.2007'. The dialog also includes fields for Object Id, Local Object Id, ObjectTypeId, PubObjectId, ValueMapping, ValueMappingID, ValueMappingFields, Criteria Fields, KeyPolicy, KeyPath, KeyPath (temp), Schema, and Status. The Status field indicates 'ObjectType exists in the B1iSN repository'. The 'Actions' bar at the bottom of the dialog includes buttons for ValueMapping, CriteriaFields, Copy, 0 - Load, 1 - Save, 2 - Generate, 3 - Check, 4 - Activate, Close, and Reset.

B1iSN Graphical Design Environment for Integration Scenarios

SAP B1iSN Tools - Generate ObjectType -- Webpage Dialog

Generation of ObjectType, PublicationObjectType and ValueMapping

Selection Criteria [localhost:8080]	
SysType	B1.2007
Object Id	MyPO
Local Object Id	22
ObjectTypeId	Z.B1.2007_MyPO
PubObjectId	Z.PubOT_MyPO
ValueMapping	no ValueMapping
ValueMappingID	
ValueMappingFields	0
Criteria Fields	1
KeyPolicy	2 - Open System (Pick up a value from the sender message and hand it over as a primary key to the receiver system)
KeyPath	BOM/BO/Documents/row/DocEntry
KeyPath (temp)	
Schema	
Status	ObjectType exists in the B1iSN repository
Actions	ValueMapping CriteriaFields Copy 0 - Load 1 - Save 2 - Generate 3 - Check 4 - Activate Close Reset

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Create Ext SysType - Properties(1): (Documents Reference: B1iSN Guide - 03 Extensibility => 2.1 SysType: Add Properties)



SAP B1iSN Tools - Extensibility SysType - Add Properties -- Webpage Dialog

http://localhost:8080/B1iXcellerator/exec/dummy/com.sap.b1i.system.cc/bfd/Selector.bfd?defdoc=.././com.sap.b1i.datasync

Maintenance of SysType specific Extensibility (AddProperties)

Selection Criteria [localhost:8080]

Activity	Create a new Extensibility Definition
Extensibility Definition	SysTypeProperties_B1.2007
Number of Properties	2
Actions	<input type="button" value="Define Properties"/> <input type="button" value="Save"/> <input type="button" value="Delete"/> <input type="button" value="Close"/> <input type="button" value="Reset"/>

- 1 Create a new Extensibility Definition
- 2 SysType: B1.2007
- 3 Number of Properties: 2
- 4 [Define]
- 5 [Save]

Create Ext SysType - Properties(2): Customer & Vendor number parameters



The screenshot shows the X-Edit interface for configuring system type properties. The top window displays the configuration for 'SysTypeProperties' with two properties defined. The 'Save' button is highlighted with a red circle. The bottom window shows a success message: 'Success in saving document ... was saved back successfully to the BizStore!' with an 'Ok' button highlighted by a red circle.

PropertyList	
Property	
Value	Subsidiary
Key	Sub Customer Number In HQ
isEditable	yes
isMandatory	no
Property	
Value	Headquarter
Key	HQ Vendor Number In Sub
isEditable	yes
isMandatory	no

1
Key:
Sub Customer Number in HQ

Default value:
Subsidiary

2
Key:
HQ Vendor Number In Sub

Default value:
Headquarter

3
[Save]

4
[OK]

Create Ext SysType - Properties(3): Save



SAP B1iSN Tools - Extensibility SysType - Add Properties -- Webpage Dialog

http://localhost:8080/B1iXcellerator/exec/dummy/com.sap.b1ip.system.cc/bfd/Selector.bfd?!defdoc=.../com.sap.b1i.datasys

Maintenance of SysType specific Extensibility (AddProperties)

Selection Criteria [localhost:8080]

Activity	Maintain an existing Extensibility Definition
Extensibility Definition	SysTypeProperties_B1.2007
Number of Properties	2
Actions	Define Properties Save Delete Close Reset

Explanation

Allows to maintain the AddProperties definition
This functionality allows you to extend the st

The following functionality is supported

- Create a new extensibility definition for an
- Modify an existing extensibility definition for
- Delete an existing extensibility definition for an existing SysType

To create a new extensibility definition, please select *Create a new Extensibility Definition* as the Activity. In the *Extensibility Definition*, please select the SysType which you wan to extend
To modify an existing extensibility definition, please select *Maintain an existing Extensibility Definition* as the Activity. In the *Extensibility Definition*, please select the definition you want to modify