

SAP Business One: System Form Changes



Applies to:

SAP Business One system form changes for upgrades such as SAP Business One 2007A as well as previous versions of SAP Business One such as SAP Business One 2005A and SAP Business One 2005A SP01, etc.

Summary

This article discusses the SAP Business One UI changes documentation that is published with each SAP Business One major release by SAP Business One Development. This document will discuss where the documentation is located and how to use the SAP Business One UI changes document by showing a simple example of changes made between SAP Business One 2005A SP01 and SAP Business One 2007A.

Author: Eddy Neveux

Company: SAP

Created on: 13 May 2009

Table of Contents

SAP Business One System Form Changes	3
Using the XML file	4
Other methods to look at the XML UI system form changes	8
Using the “ResourceData” object to obtain system form information	10
Copyright.....	11

SAP Business One System Form Changes

SAP, with each release of SAP Business One, releases useful information and tools for the development partner who uses the SAP Business One SDK to create add-ons or solutions that integrate with SAP Business One. Some of these tools can be seen on the Software Developers Network (SDN) on the SAP Business One main page listed under the "Download" area.

<https://www.sdn.sap.com/irj/scn/businessone-tools>

Here you can find tools to assist with development and testing developed by the Sap Solution Architects group that follow best practices for developing solutions that integrate with SAP Business One.

Little known is that SAP development publishes a list of database changes for each major release of SAP Business One. This document will list changes in the database schema from version to version of SAP Business One such as when upgrading from SAP Business One 2005A to SAP Business One 2005A SP01 or to SAP Business One 2007A. Documentation that lists changes to the database schema is available for download on SDN. The Business One Development Environment Tools (B1DE) as well as the Business One Test Environment (B1TE) tools has, as part of their functionality, a graphical utility that will help you in identifying the database schema changes between major SAP Business One releases also.

This explanation leads us to an even less known publication that is useful to solution partners for SAP Business One and that is what we will focus on, the SAP Business One GUI Changes List. SAP creates a list of the changes to the SAP Business One UI for each major release of SAP Business One such as for SAP Business One 2005A, SAP Business One 2005A SP01 and SAP Business One 2007A. This list can be useful as it lists any additions, deletions and/or changes to the SAP Business One user interface. The document lists changes to Business One forms as well as the individual elements or items on Business One forms. The SAP Business One GUI Changes List is published as an XML document and can be located on the Software Developer Network. The link to the document is:

<https://www.sdn.sap.com/irj/sdn/index?rid=/webcontent/uuid/263295d7-0b01-0010-0f8c-857392425956>

From this link you can scroll down the page to the "Articles" heading and then either open or download the "SAP Business One 2005 A SP01 GUI changes list". Again, if you choose to download the file, the file format is XML. (Fig. 1.0)

Note: As of the writing of this document, you can access the SAP Business One 2005A and SAP Business One 2005A database and user interface changes lists on SDN. The SAP Business One 2007A database and user interface changes list will be posted on SDN when the SAP Business One 2007A product is released for General Availability. Regardless of the user interface change list version, the steps outlined in this document will still hold true.

Fig.1.0

The screenshot shows a web browser window with the URL <https://www.sdn.sap.com/irj/tdn/developerareas/businessone?rid=/webcontent/luid/263295d7-0b01-0010-0f8c-857392425956>. The page title is "SAP Business One 2005 A SP01 Patch 02". On the left is a navigation menu with categories like Consumer Products, xApp Analytics, Supply Chain Management, Skills and Education, Enterprise SOA, IT Practices and IT Scenarios, SAP NetWeaver, Platform and Operations, Security, Portal, Knowledge Management, Business Intelligence, Exchange Infrastructure, Application Server, Mobile, Master Data Management, Composite Application Framework, SAP Business One, SAP xApps, Emerging Technologies, and Partners and ISVs. The main content area is titled "SAP Business One User Interface API (UI API)" and contains several sections: "DI Server", "DI Java Connector", and "Articles". The "Articles" section lists several documents, with the link "SAP Business One 2005 A SP01 GUI changes list (XML 453.1KB)" circled in red. Other links include "License Guide for SAP Business One 2005 A SP01 (PDF 319.4KB)", "New features in 2005 / 2005 A SP01 overview (PDF 326.9KB)", "SAP Business One and SDK 2005 A SP01 and SDK 2005 B Compatibility with Add-Ons (PDF 58.9KB)", "Changes in the SAP Business One Application and SDK 2005 that Affect Add-ons Compatibility (PDF 43.7KB)", and "SAP Business One 2005 A SP01 Database changes list (XML 157KB)".

Using the XML file

Once you have the SAP Business One GUI changes list file, you have a variety of tools available to open and look at the contents of the file. Some tools make the file easier to look at and decipher than others. If you open the file using the Microsoft Internet Explorer, you will see something like Fig. 1.5 below:

```

- <Form>
  <Instance FormType='134' Description='Business Partner Master Data' />
- <New>
  <Item>10001007</Item>
  <Item>10001008</Item>
  <Item>10001009</Item>
  <Item>10001010</Item>
  <Item>10001015</Item>
  <Item>10001016</Item>
  <Item>10001017</Item>
  <Item>10001018</Item>
  <Item>10001019</Item>
  <Item>1002</Item>
  <Item>1003</Item>
  <Item>1004</Item>
  <Item>1005</Item>
  <Item>1006</Item>
  <Item>150000433</Item>
  <Item>150000434</Item>
</New>
- <Modified>
- <Item UID='1'>
  - <Change Type='Location'>
    <Attrib Name='Top' NewVal='375' OldVal='341' />
    <Attrib Name='Right' NewVal='71' OldVal='' />
    <Attrib Name='Left' NewVal='6' OldVal='' />
    <Attrib Name='Bottom' NewVal='395' OldVal='361' />
  </Change>
</Item>
- <Item UID='10'>
  - <Change Type='Location'>
    <Attrib Name='Right' NewVal='511' OldVal='' />
    <Attrib Name='Left' NewVal='437' OldVal='' />
  </Change>
</Item>
- <Item UID='101'>
  - <Change Type='Location'>
    <Attrib Name='Bottom' NewVal='230' OldVal='216' />
  </Change>
</Item>
- <Item UID='102'>
  - <Change Type='Location'>
    <Attrib Name='Right' NewVal='282' OldVal='277' />
  </Change>
</Item>
- <Item UID='103'>
  - <Change Type='Location'>
    <Attrib Name='Top' NewVal='376' OldVal='342' />
    <Attrib Name='Right' NewVal='490' OldVal='471' />
    <Attrib Name='Left' NewVal='424' OldVal='406' />
    <Attrib Name='Bottom' NewVal='396' OldVal='361' />
  </Change>

```

As you can see, the file format is not necessarily the most user-friendly, but can be navigated or searched fairly easily if you know what you are looking for. In the case of figure 1.5 above, you are looking at the contents/changes for SAP Business One 2007A UI change list document. If you were, for example, looking for changes that may or may not have occurred for the Business Partner Master Data form, because your solution affects the Business Partner Master form, you can scroll through the file until you find the Business Partner Master Data description in the XML file or you can also search for the <Instance FormType = 134...> by using your browser's (or other tools) search function to look for the instance of "134" and/or "Business Partner Master Data". In this example you may find that locations or positions on the Business Partner Master Data form of items have changed such as the example from the SAP Business One 2007A GUI list shows highlighted in blue in fig. 1.10. You will also note that there are not only "changes" which are listed under the <Modified> tag, but there are listings for <New> items added to the SAP Business One UI for this version as well as the <Deleted> tag for those items that have been removed with this version of the SAP Business One UI. An example as in fig. 1.15, shows items deleted from the "Password Administration" form.

Fig. 1.10

```

- <Form>
  <Instance FormType="134" Description="Business Partner Master Data" />
- <New>
  <Item>10001007</Item>
  <Item>10001008</Item>
  <Item>10001009</Item>
  <Item>10001010</Item>
  <Item>10001015</Item>
  <Item>10001016</Item>
  <Item>10001017</Item>
  <Item>10001018</Item>
  <Item>10001019</Item>
  <Item>1002</Item>
  <Item>1003</Item>
  <Item>1004</Item>
  <Item>1005</Item>
  <Item>1006</Item>
  <Item>15000433</Item>
  <Item>15000434</Item>
</New>
- <Modified>
- <Item UID="1">
  - <Change Type="Location">
    <Attrib Name="Top" NewVal="375" OldVal="341" />
    <Attrib Name="Right" NewVal="71" OldVal="" />
    <Attrib Name="Left" NewVal="6" OldVal="" />
    <Attrib Name="Bottom" NewVal="395" OldVal="361" />
  </Change>
</Item>
- <Item UID="10">
  - <Change Type="Location">
    <Attrib Name="Right" NewVal="511" OldVal="" />
    <Attrib Name="Left" NewVal="437" OldVal="" />
  </Change>
</Item>
- <Item UID="101">
  - <Change Type="Location">
    <Attrib Name="Bottom" NewVal="230" OldVal="216" />
  </Change>
</Item>
- <Item UID="102">
  - <Change Type="Location">
    <Attrib Name="Right" NewVal="282" OldVal="277" />
  </Change>
</Item>
- <Item UID="103">
  - <Change Type="Location">
    <Attrib Name="Top" NewVal="376" OldVal="342" />
    <Attrib Name="Right" NewVal="490" OldVal="471" />
    <Attrib Name="Left" NewVal="424" OldVal="406" />
    <Attrib Name="Bottom" NewVal="396" OldVal="361" />
  </Change>

```

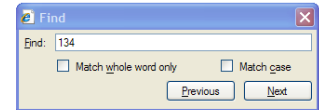
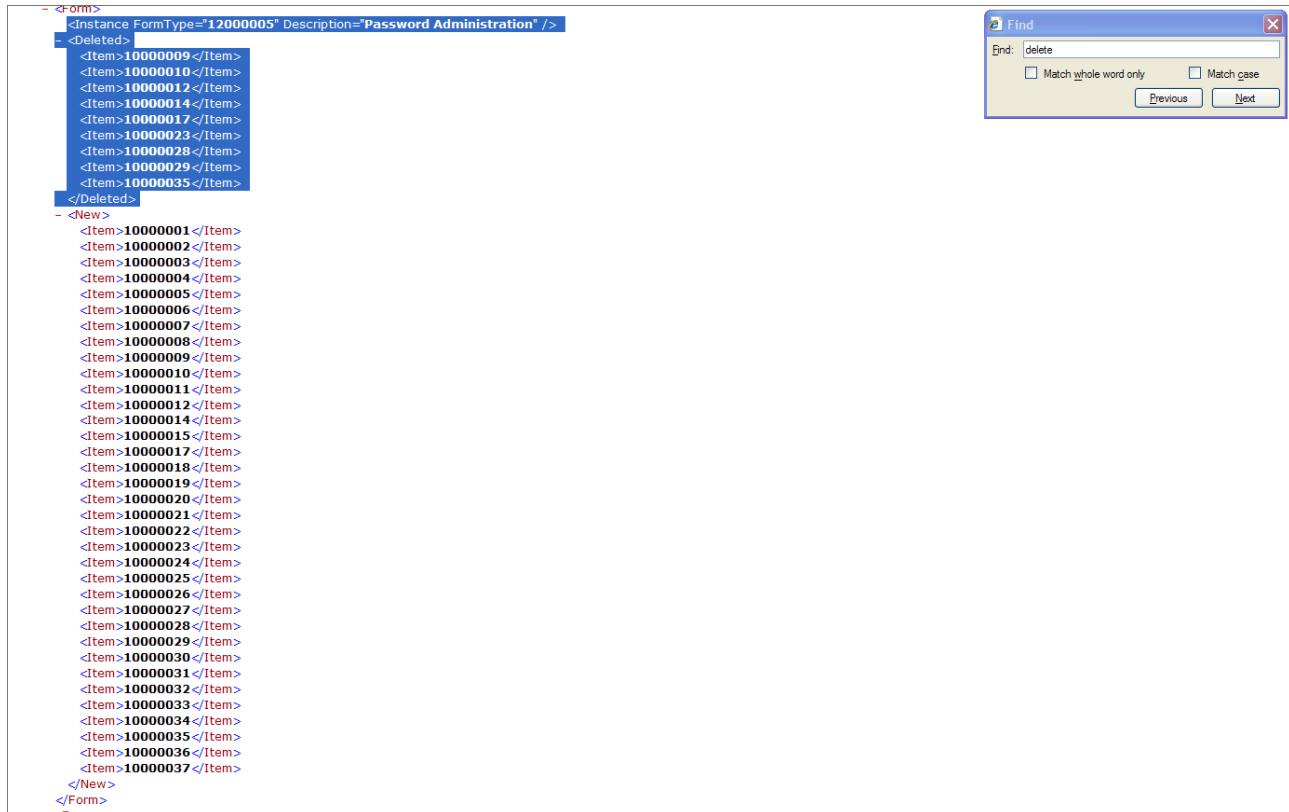


Fig. 1.15

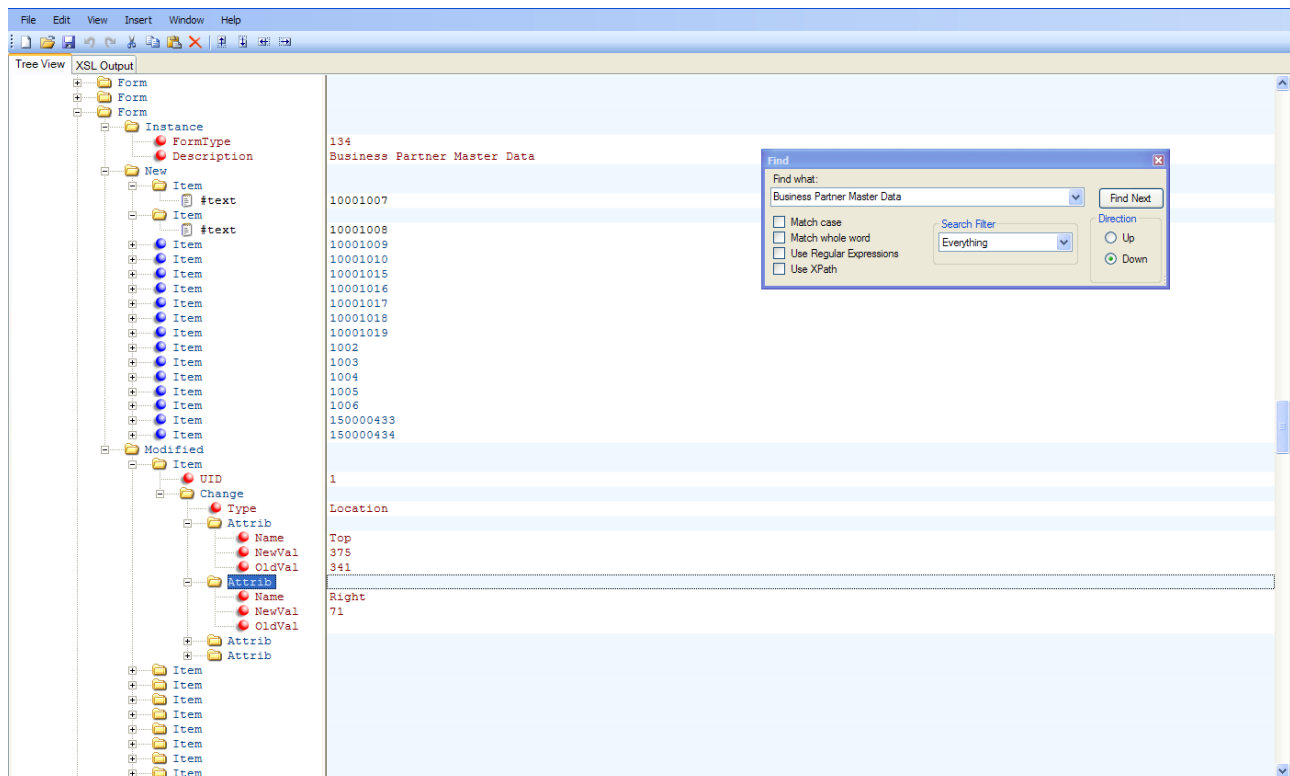


While the method I have outlined above is pretty straight forward, it will require the solution partner to open the UI change file and then look/search for the UI components that they have interest in based on their solution(s).

Other methods to look at the XML UI system form changes

As we have discussed above, you can open the change list document in simple tools such as Notepad or your browser. You may, however, also wish to use other tools to view the XML that will make it easier to read and parse as well as use tools to compare the changes from one version of SAP Business One to another, such as comparing the UI changes between SAP Business One 2005A and SAP Business One 2005A SP01 and soon with SAP Business One 2007A. There are many tools that you may be familiar with to do this, such as Microsoft's XML Notepad tool that you can download for free from MSDN. A helpful feature of this tool (and others probably) is a "compare" feature built in that allows you to compare two XML files and get the differences between them. This can be helpful to note only the changes between versions of the SAP Business One UI and a quicker way to see if your solution for SAP Business One is affected. In the example below, I am opening the SAP Business One 2007A UI change list file. Fig. 1.20. Here you can search for the "Business Partner Master Data" form and then expand the "New" items as well as the "Modified" items.

Fig. 1.20



When the compare is run on the two files, the tool will color code the differences as in figure 1.25 below. As you can see in the XMLDiff tool, the legend at the top of the compare output between the SAP Business One 2005A SP01 and SAP Business One 2007A UI lists by color what has been added, removed, changed, moved from and moved to.

Fig. 1.25

Legend: added remove changed moved from moved to ignored

File in editor : B1_2005A_SP01_UI_Changes.xml

```
<?xml version="1.0" encoding="UTF-16" ?>
<GUI>
  <New>
    <Form>
      <Instance FormType="999999"
        Description="About"/>
    </Form>
  </Form>
  <Form>
    <Instance FormType="805"
      Description="G/L Account Details"/>
  </Form>
  <Form>
    <Instance Instance="10060554"
      Instance="You have new add-ons to install"/>
  </Form>
  <Form>
    <Instance FormType="10065066"
      Description="Backorder Report"/>
  </Form>
  <Form>
    <Instance Instance="10065065"
      Instance="Backorder Report - Selection Criteria"/>
  </Form>
  <Form>
    <Instance FormType="167"
      Description="Trial Balance"/>
    <Instance FormType="164"
      Description="Profit and Loss Statement"/>
  </Form>
  <Form>
    <Instance Instance="420"
      Instance="Profit and Loss Statement - Selection Criteria"/>
    <Instance FormType="164"
      Description="Balance Sheet - Selection Criteria"/>
  </Form>
  <Form>
    <Instance Instance="40005"
      Instance="Calendar"/>
  </Form>

```

File to compare : B1_2007A_UI_Changes.xml

```
<?xml version="1.0" encoding="UTF-16" ?>
<GUI>
  <New>
    <Form>
      <Instance FormType="999999"
        Description="About"/>
    </Form>
  </Form>
  <Form>
    <Instance Description="Tax Codes"
      FormType="82105"/>
  </Form>
  <Form>
    <Instance Instance="83003"
      Instance="List of Tax Parameters"/>
  </Form>
  <Form>
    <Instance Description="Tax Type Combination"
      FormType="83000"/>
  </Form>
  <Form>
    <Instance Instance="83002"
      Instance="Tax Formula"/>
  </Form>
  <Form>
    <Instance Description="Tax Parameter"
      FormType="80090"/>
  </Form>
  <Form>
    <Instance Instance="820060807"
      Instance="Applied Transactions"/>
  </Form>
  <Form>
    <Instance Instance="80104"
      Instance="Approval Status Report - Selection Criteria"/>
  </Form>

```

Using the “ResourceData” object to obtain system form information

As of SAP Business One 2005A SP01 SDK, you also can get information about a system form(s) and the items on that form without actually having to open the form. The ResourceData object allows you to retrieve:

- Form title and type
- Alias name of the database field connected to an item

This is an example of sample code for VB to obtain system form information:

[Visual Basic]

```
Private WithEvents SBO_Application As SAPbouiCOM.Application
Public Sub TestInfo()
    'Get Resource Data
    Dim resource As SAPbouiCOM.ResourceData
    resource = SBO_Application.ResourceData
    Dim oFormType As String = "149"

    'Get FormInfo
    Dim oFormInfo As SAPbouiCOM.FormInfo
    oFormInfo = resource .GetFormInfo(oFormType)

    'Get properties from FormInfo
    Dim title As String = oFormInfo.Title

    'Get ItemInfo
    Dim itemUid As String = "38"
    Dim colUID As String = "3"
    Dim oItemInfo As SAPbouiCOM.ItemInfo = oFormInfo.GetItemInfo(itemUid, colUID)

    'Get ItemInfo property
    Dim oAlias As String = oItemInfo.Alias
End Sub
```

Restrictions to use this object are:

- You can get resource information only for system forms and items.
- You get resource information only in the language in which the application is set.

Related Contents

For more information, visit the [Business One homepage](#)

Copyright

© Copyright 2006 SAP AG. 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.

Microsoft, Windows, Outlook, and PowerPoint are registered trademarks of Microsoft Corporation.

IBM, DB2, DB2 Universal Database, OS/2, Parallel Sysplex, MVS/ESA, AIX, S/390, AS/400, OS/390, OS/400, iSeries, pSeries, xSeries, zSeries, z/OS, AFP, Intelligent Miner, WebSphere, Netfinity, Tivoli, Informix, i5/OS, POWER, POWER5, OpenPower and PowerPC are trademarks or registered trademarks of IBM Corporation.

Adobe, the Adobe logo, Acrobat, PostScript, and Reader are either trademarks or registered trademarks of Adobe Systems Incorporated in the United States and/or other countries.

Oracle is a registered trademark of Oracle Corporation.

UNIX, X/Open, OSF/1, and Motif are registered trademarks of the Open Group.

Citrix, ICA, Program Neighborhood, MetaFrame, WinFrame, VideoFrame, and MultiWin are trademarks or registered trademarks of Citrix Systems, Inc.

HTML, XML, XHTML and W3C are trademarks or registered trademarks of W3C®, World Wide Web Consortium, Massachusetts Institute of Technology.

Java is a registered trademark of Sun Microsystems, Inc.

JavaScript is a registered trademark of Sun Microsystems, Inc., used under license for technology invented and implemented by Netscape.

MaxDB is a trademark of MySQL AB, Sweden.

SAP, R/3, mySAP, mySAP.com, xApps, xApp, SAP NetWeaver, 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 in several other countries all over the world. All other product and service names mentioned are the trademarks of their respective companies. Data contained in this document serves informational purposes only. National product specifications may vary.

These materials are subject to change without notice. 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.

These materials are provided "as is" without a warranty of any kind, either express or implied, including but not limited to, the implied warranties of merchantability, fitness for a particular purpose, or non-infringement.

SAP shall not be liable for damages of any kind including without limitation direct, special, indirect, or consequential damages that may result from the use of these materials.

SAP does not warrant the accuracy or completeness of the information, text, graphics, links or other items contained within these materials. SAP has no control over the information that you may access through the use of hot links contained in these materials and does not endorse your use of third party web pages nor provide any warranty whatsoever relating to third party web pages.

Any software coding and/or code lines/strings ("Code") included in this documentation are only examples and are not intended to be used in a productive system environment. The Code is only intended better explain and visualize the syntax and phrasing rules of certain coding. SAP does not warrant the correctness and completeness of the Code given herein, and SAP shall not be liable for errors or damages caused by the usage of the Code, except if such damages were caused by SAP intentionally or grossly negligent.