

[Home](#) x [Database Functions](#) x [Definitions](#) x [Error handling](#) x [Events handling](#) x [Methods](#) x
[Find](#) x [GetChunk](#) x [Objects](#) x [Module](#) x [Properties](#) x [On \(control event\)](#) x
[On \(database event\)](#) x [On \(dialog event\)](#) x [On \(form event\)](#) x [ProcBodyLine](#) x [ProcCountLines](#) x
[ProcOfLine](#) x [ProcStartLine](#) x [Shortcuts](#) x [Snippets of Code](#) x [Module example](#) x
[On control event example](#) x [On dialog event example](#) x [On form event example](#) x [Special controls](#) x
[Tutorial](#) x [DLookupSamples](#) x [Object Model](#) x [Standalone Forms](#) x [User's Guide](#) x [Install](#) x

Install

Depending on the office suite you are using and its version, the installation instructions may vary.

tags:
NoTag

For LIBREOFFICE users only

The *Access2Base* library is included in LibreOffice as from its version 4.2. If you run that or a later version, then **Access2Base is already installed** on your device. As such ... skip the installation of the extension and go to the **Start using the library** paragraph below.

If you are using Access2Base with LibreOffice in a version earlier than 4.2, then REMOVE the Access2Base extension before installing LibreOffice 4.2 or later.

LibreOffice version	Embedded Access2Base version	Installation / upgrade instructions
<= 4.1	None	See <u>Install Access2Base as an extension</u> below.
4.2	1.0.0	Go to <u>Start using the library</u> below.
4.3	1.1.0	
4.4	1.2.0	
5.0	1.3.0	
5.1	1.4.0	
5.2	1.5.0	
5.3	1.6.0	
5.4	1.7.0	
6.0	1.8.0	
6.1	1.9.0	
<p>If you would like to benefit from the latest version of Access2Base (typically 1.9.0) but, for any reason, want to stay in an older version of LibreOffice (typically 6.0), then you might decide anyway to download and install the extension as described below.</p> <p>This option is available only as from <u>LibreOffice 4.2.6</u>.</p> <p>However, before upgrading later on LibreOffice to a newer major release (typically 6.1), first <u>REMOVE the Access2Base extension</u>.</p>		

Install Access2Base as an extension

Download Access2Base either from the

- [OpenOffice extensions repository](#)
- [LibreOffice extensions center](#)

The downloaded contents are identical if their version numbers are identical too.

Install the Access2Base extension

The name of the downloaded file is Access2Base.ext. Select preferably the last proposed version.

Note: some browsers might download the extension as a .zip file; if this happens rename the downloaded file from .zip to .ext

Install the extension as any other extension. To know more, follow the instructions in [Installing an extension \(AOO\)](#) or in [Installing an extension \(LibO\)](#)

The Basic IDE ...
... has now 2 more options:

1. The **Tools + Add-Ons + Access2Base Console ...** menu item opens the Access2Base console (see the **Error Handler**).
2. The **Help + Access2Base Online Help** menu item opens the current Help file in your preferred browser.

Start using the library

To be able to invoke the *Access2Base* API from a AOO/LibO ".odb" file (the usual suffix for the front-end part of database documents) you have to

- Have a minimal knowledge of the Basic IDE and of the Basic programming language.
- Open in the main AOO/LibO Base window the ".odb" file (the database document) on which you would like to apply Access2Base functions.
- With **Tools + Macros + Organize Macros + OpenOffice/LibreOffice Basic...** open the Basic IDE and create a Basic module in the Standard library of the database document itself. The module should contain as a minimum next code:

```
Sub DBOpen(Optional poEvent As Object)
    If GlobalScope.BasicLibraries.hasByName("Access2Base") Then
        GlobalScope.BasicLibraries.loadLibrary("Access2Base")
    End If
    Call Application.OpenConnection(ThisDatabaseDocument)
End Sub
```

- Assign in the main Base window with menu items **Tools + Customize...** (**Events** tab) the above Sub ("DBOpen" in the example but use the name of your choice) to the *OpenDocument* event. Save in the ".odb" file itself.
- *Close* and *re-open* the ".odb" file. This will trigger the *OpenDocument* event.
- Optionally associate next code with the "*View is going to be closed*" document event.

```
Sub DBClose(Optional poEvent As Object)
    Call CloseConnection()
End Sub
```

- Start programming macro's. Associate them with *form* or *control events* if relevant.

Caution: the procedure is different for **Standalone Forms**.

If no database connection ...

Before the execution of the *OpenConnection* verb, of if its execution failed, or after a *CloseConnection* verb execution, next methods are nevertheless available:

Method	Description
DebugPrint	All error handling routines.
TraceConsole	
TraceError	
TraceLevel	
TraceLog	
TempVars	The collection of TempVar objects to share and pass values among documents.
AllDialogs	Access to the collection of dialogs, the Dialog objects and their Controls .
AllModules	Access to the collection of Basic modules and the Module objects.
CurrentDb	Returns <i>Nothing</i> if no database connection available.
CurrentUser	Context information.
ProductCode	

Version	(When applied to Application).
OpenDatabase	Access to external database.
CommandBars	Manage menu-, status- and toolbars.
SysCmd	Status bar, progress meter handling.
GetHiddenAttribute	Window handling when no forms, queries, tables, reports implied.
Maximize	
Minimize	
MoveSize	
SelectObject	
SetHiddenAttribute	
RunApp	External commands calls.
RunCommand	

See also

OpenConnection
Standalone Forms

Releases History

Release	Date	Description	Embedded in ...
1.9.0	07/2018	Base forms may contain more than 1 root form, all belonging to a forms collection, each of them having its own data source (NB: MSAccess does not have that feature). It is now supported by Access2Base A translation in german is provided (thanks to Gisbert Friege).	LibreOffice 6.1
1.8.0	01/2018	Database document and dialog events can be dynamically got and updated with the new On database events and On dialog events .	LibreOffice 6.0
1.7.0	07/2017	Form, subform and control events can be dynamically got and updated with the new On form events and On control events properties. The new module object class and its properties and methods makes it easy to navigate through the Basic libraries attached to the current file or application.	LibreOffice 5.4
1.6.0	01/2017	The CopyObject action may copy tables (structure and data) from one database to another. As an experimental feature involved tables may even reside in different database systems. The <i>database</i> class has received new properties: Name , Connect and Version . Additionally, a spanish translation is provided (thanks to Iñigo Zuluaga).	LibreOffice 5.3
1.5.0	08/2016	More flexible management of (long) binary fields in databases with the addition of the GetChunk and AppendChunk methods to the field object . Addition of the Picture property for <i>ImageControl</i> controls.	LibreOffice 5.2
1.4.0	01/2016	The OutputTo action has been significantly enhanced. Output in one single Basic statement the content of a table or of a SELECT query into - an html file. The data table can be embedded in a template file. Examples of table styling to make the output more attractive are available in this tutorial ; - a Calc spreadsheet - a text/csv file The OpenQuery action is now applicable to action queries.	LibreOffice 5.1
1.3.0	07/2015	New CommandBars collection of CommandBar objects: Easily show/hide menu bar, status bar, toolbars and toolbar elements.	LibreOffice 5.0
1.2.0	01/2015	All the methods which can meaningfully be used without a database connection (error handling, dialogs manipulations, status bar and window handling, commands launch, ...) have been reviewed and documented as acceptable before	LibreOffice 4.4

		<p>any <i>OpenConnection</i> call.</p> <p>A CloseConnection method has been added to allow freeing resources.</p> <p>To pass values from one open document to another, use the TempVars collection of TempVar objects.</p> <p>New properties for forms and subforms: OrderBy and OrderByOn.</p> <p>Additionally the new ApplyFilter and SetOrderBy actions are applicable on table or query datasheets, and on forms or subforms as well. Also the GoToRecord action has been extended to table and query datasheets.</p> <p>Bug fixes and internal redesigns.</p>	
1.1.0	07/2014	<p>The Access2Base library can be run to access a database defined in any form defined in any AOO/LibO document. Now the CurrentDb method may be associated with a form object, not only with the root class.</p> <p>The OpenDatabase method allows any AOO/LibO document or any Basic macro to get access to tables stored in any database.</p> <p>The CopyObject (new) action copies query definitions and/or table definitions and data.</p> <p>Creation of table and fields without SQL with the CreateTableDef, CreateField and Add methods.</p> <p>The new GetRows method loads a given number of records from a recordset in a Basic array.</p> <p>RunSQL, OpenSQL, database functions have been extended to be run from a database object, not only as a command.</p> <p>New GetHiddenAttribute and SetHiddenAttribute actions hide or show any AOO/LibO document or <i>Base</i> object. SelectObject scope has been extended accordingly.</p> <p>The Description property of a <i>TableDef</i> is writable.</p> <p>Addition of the SelStart, SelLength and SelText properties for text controls.</p>	LibreOffice 4.3
1.0.0	12/2013	<p>Inclusion of Access2Base code into the LibreOffice 4.2 build.</p> <p>Code stabilisation, robustness improvements (naming collisions risks, error handler, ...)</p> <p>Toggle sidebar in RunCommand</p> <p>Support of LibreOffice 4.2 new internal format for Time fields (compatibility with OpenOffice and older versions of LibreOffice is ensured).</p>	LibreOffice 4.2
0.9.5	08/2013	<p>Framework for database access:</p> <p>TableDefs, QueryDefs, Recordsets and Fields collections.</p> <p>TableDef, QueryDef, Recordset and Field objects.</p> <p>Addition of the CurrentRecord and Recordset properties for <i>forms</i> and <i>subforms</i>.</p> <p>Introspection improved with the Item property for <i>Collections</i>.</p> <p>RunSQL and OpenSQL support <i>pass-through</i> mode of operation.</p>	
0.9.1	04/2013	<p>Bug fixing.</p> <p>Performance improvement when processing very large (1000+ items) listboxes.</p> <p>Workaround implemented to survive the LibreOffice 4.0 bug described in BugZilla.</p> <p>Finalization of the Application object.</p> <p>Implementation of the SysCmd method for the management of the status bars.</p> <p>Redocumentation of the object model.</p> <p>Addition of the Dialog object.</p> <p>The Format property may be set programmatically for date and time controls.</p> <p>Addition of the OpenSQL action.</p>	
0.9.0	01/2013	<p>Complete internal redesign of code to allow more object-oriented syntaxes for property settings and method invocations.</p> <p>E.g.</p> <pre>form.height = 100 form.move(100,200)</pre> <p>Old syntax still supported.</p> <p>Consolidation of the object model with the Parent, Source and ObjectType properties.</p> <p>Addition of a Close method to the <i>Form</i> object.</p> <p>Several bugs corrections.</p>	

0.8.9	10/2012	Localization: - of the 2 dialog forms - of all strings (mainly error messages) used in the API A french translation is provided. For other languages, contributions are welcome. See Contact .	
0.8.6	09/2012	Maintenance release.	
0.8.5	08/2012	Introduction of new commands: OutputTo for storing a form document as a PDF, DOC, ... file. SendObject to send a form after transformation to PDF, DOC, ... by mail. RunApp to start an external application.	
0.8.2	08/2012	API implementation identical to 0.8.1 "Check for Updates ..." functionality of AAO/LibO now detects Access2Base new versions.	
0.8.1	08/2012	Maintenance release (bug in setValue method).	
0.8.0	07/2012	Full support of standalone (Writer) forms . RadioButtons order is now determined by their X-Y coordinates on the screen. Bug fixing in checkboxes controls when linked to a database field. Support of "Currency" datatype in arguments to the API. Useful for controls of currency type. Converted to Double in internal processing.	
0.7.5	05/2012	Support of Listboxes with a separate column for bound fields. Introduction of the Bookmark property of Form pseudo-objects. New actions: ShowAllRecords and GoToControl . New methods for managing Listboxes content (with the <i>ValueList</i> rowsource type): AddItem and RemoveItem . The RunSQL command accepts square brackets to surround field or table names.	
0.7.1	04/2012	Correction of URL of online help. Clickable from Help menu in the Basic IDE.	
0.7.0	04/2012	Bugs fixing in the SelectObject action (abort when help file open). Extension of the scope of the SelectObject action. Introduction of the RunCommand action. Documentation updated.	
0.6.0	04/2012	New actions SelectObject , Minimize , Maximize and MoveSize "Access2Base Help" menu command in IDE opens Online help on www.access2base.com .	
0.5.1	03/2012	"Out of array range" error message added for collections (i.o. "Invalid parameter").	
0.5.0	03/2012	First public release.	

Bookmark this page » » [Install](#)