



LibreOffice
The Document Foundation



ROME
CONFERENCE

Migrating LibreOffice to Organizations

□ What's Still Needed?

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LibreOffice/ODF Adoption In Taiwan – Where are we now?

Website of National Palace Museum

回首頁 > 常見問答

常見問答

請選擇類別：全部 關鍵字：請輸入關鍵字

Q 請問要如何開啟ODF格式(ex. odt、ods)的檔案？

A 建議可採用ODF開放式軟體 LibreOffice 開啟檔案。
下載網址：<https://zh-tw.libreoffice.org/download/libreoffice-still/> (另開新視窗)
註：Windows 用戶也可使用MS Office2007(含)以上版本開啟，但是部份計算公式或項目符號等功能仍會有問題。

Q 故宮位於何處？地址是？

Q 故宮的開放時間為何？是否有特定休館日？

Q 故宮的參觀票價為何？有無優待票或團體票？

Q 如何利用大眾交通工具前往故宮？

**The first Question in FAQ: How to open ODF file format?
A: LibreOffice is suggested. Download link is provided.**

Provide ODF/PDF Files

The screenshot shows a web browser window with the URL <https://www.npm.gov.tw/zh-TW/Article.aspx?sNo=03006234>. The page is titled "預算及決算書" (Budget and Financial Statements) and is part of the "博物館行政" (Museum Administration) section. The left sidebar contains the National Palace Museum logo and navigation links for "行政服務" (Administrative Services), "捐助者名錄" (Donor List), and "政府資訊公開" (Government Information Disclosure). The main content area features a peacock illustration and a list of budget documents from 2013 to 2017. Below the list, there are icons for printing, sharing, and font size adjustment.

回首頁 > 博物館行政 > 政府資訊公開

預算及決算書

博物館行政

行政服務

捐助者名錄

政府資訊公開

* 如何開啟ODF格式(ex. odt、ods)的檔案？

國立故宮博物院單位預算

- ◆107年度 (PDF檔、ODS檔、ODT檔)
- ◆106年度 (PDF檔、ODS檔、ODT檔)
- ◆105年度 (PDF檔、ODS檔、ODT檔)
- ◆104年度 (PDF檔、EXCEL檔、WORD檔)
- ◆103年度 (PDF檔)

Budget of 2018, made in 2017
Budget of 2017, made in 2016
Budget of 2016, made in 2015
Budget of 2015, made in 2014

Made by LibreOffice 5.0.x

The screenshot shows a web browser window with the URL `https://www.npm.gov.tw/Article.aspx?sNo=03006234`. The browser's address bar and tabs are visible. The website content includes a navigation menu with links like "回首頁", "博物館行政", and "政府資訊公開". The main content area features a large heading "博物館行政" and a sub-heading "預算及決算書". Below this, there are sections for "行政服務", "捐助者名錄", and "政府資訊公開". A sidebar on the right contains a list of links for "國立故宮博物院單位預算" for the years 104, 105, 106, and 107, with file formats like PDF, ODS, and EXCEL mentioned.

Overlaid on the right side of the browser window is a terminal window titled "106 : bash — Konsole". The terminal shows the output of the command `more meta.xml`, displaying XML metadata for an ODF document. The metadata includes information such as the document title "第2款 行政", the creator "立法院", the creation date "2017-08-12T16:20:00", and the LibreOffice version "5.0.6.3".

```
inflating: meta.xml
inflating: settings.xml
extracting: Thumbnails/thumbnaill.png
inflating: layout-cache
inflating: META-INF/manifest.xml
inflating: styles.xml
inflating: content.xml
franklin@ezgo13:~/libreoffice/ODF實驗室/museum/106$ more meta.xml
<?xml version="1.0" encoding="UTF-8"?>
<office:document-meta xmlns:office="urn:oasis:names:tc:opendocu
:1.0" xmlns:xlink="http://www.w3.org/1999/xlink" xmlns:dc="http
ements/1.1/" xmlns:meta="urn:oasis:names:tc:opendocument:xmlns:
oo="http://openoffice.org/2004/office" xmlns:grddl="http://www.
a-view#" office:version="1.2"><office:meta><dc:title>第2款 行政
><meta:initial-creator>立法院</meta:initial-creator><meta:creat
01T17:39:00</meta:creation-date><dc:creator>teng</dc:creator><d
T17:41:00</dc:date><meta:print-date>2017-08-12T16:20:00</meta:p
diting-cycles>3</meta:editing-cycles><meta:editing-duration>PT5
uration><meta:generator>LibreOffice/5.0.6.3$Windows_x86 LibreOf
c03b25318460cfc54456516ea2519c11d1aa</meta:generator><meta:docu
ta:table-count="1" meta:image-count="0" meta:object-count="0" m
5" meta:paragraph-count="564" meta:word-count="46475" meta:char
1" meta:non-whitespace-character-count="49482"/></office:meta>
franklin@ezgo13:~/libreoffice/ODF實驗室/museum/106$
```

www.gov.tw



相關檔案

- 表單下載 [doc\(77 KB\)](#) | [odt\(20.51 KB\)](#) | [pdf\(528.71 KB\)](#) | [pdf\(528.71 KB\)](#)
- 申請流程 [doc\(30 KB\)](#) | [odt\(14.55 KB\)](#) | [pdf\(41.45 KB\)](#)
- 填寫範例 [doc\(30 KB\)](#) | [odt\(14.55 KB\)](#) | [pdf\(41.45 KB\)](#)

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open

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[線上申辦](#) [生活情報](#) [機關分類](#) [銀髮館](#) [福利專區](#) [我的收藏](#) [國發會](#) [網站導覽](#)

Provide doc/odt/PDF files for people to download.

Of course I gave it a check...

The screenshot shows a web browser window with a terminal window open. The terminal window displays the following text:

```
extracting: Thumbnails/thumbnail.png
inflating: layout-cache
inflating: META-INF/manifest.xml
inflating: content.xml
franklin@ezgo13:~/libreoffice/ODF實驗室/www.gov.tw$ l
configurations2/ layout-cache META-INF/ mimetype styles.xml
content.xml manifest.rdf meta.xml settings.xml Thumbnails/
franklin@ezgo13:~/libreoffice/ODF實驗室/www.gov.tw$ more meta.xml
<?xml version="1.0" encoding="UTF-8"?>
<office:document-meta xmlns:office="urn:oasis:names:tc:opendocument:xmlns:office:1.0" xmlns:xlink="http://www.w3.org/1999/xlink" xmlns:dc="http://purl.org/dc/elements/1.1/" xmlns:meta="urn:oasis:names:tc:opendocument:xmlns:meta:1.0" xmlns:ooo="http://openoffice.org/2004/office" xmlns:grddl="http://www.w3.org/2003/g/data-view#" office:version="1.2"><office:meta><dc:title>入山及入園申請書</dc:title><meta:initial-creator>andiel226</meta:initial-creator><meta:creation-date>2012-07-19T09:46:00</meta:creation-date><dc:creator>黃麗珠</dc:creator><dc:date>2015-02-13T10:31:00</dc:date><meta:print-date>2015-02-13T10:30:00</meta:print-date><meta:editing-cycles>20</meta:editing-cycles><meta:editing-duration>PT58M</meta:editing-duration><meta:document-statistic meta:table-count="2" meta:image-count="0" meta:object-count="0" meta:page-count="3" meta:paragraph-count="75" meta:word-count="992" meta:character-count="1298" meta:non-whitespace-character-count="1152"/></office:meta></office:document-meta>
franklin@ezgo13:~/libreoffice/ODF實驗室/www.gov.tw$
```

The webpage in the background has a green header with navigation tabs: 申辦服務, 資訊發布, 機關導覽, 分眾導覽, 焦點議題. Below the terminal window, there are three orange buttons: 回上一頁, 回最上面, 回首頁. At the bottom of the page, there is a grid of links: 我的專區, 互動管道, 關於本站, 關注議題, 聯絡本站, 認識本站, 我的收藏, 國發會, 網站導覽.

The screenshot shows the website www.edu.tw with a navigation menu and a list of news items. The navigation menu includes: 重要政策, 教育資料, 認識教育部, 師生園地, 電子辭典, 認證檢定及留考, 便民服務, 訊息公告.

The news list includes:

最新消息	即時新聞	爭議訊息澄清專區	電子布告欄	資料下載
103學年度至105學年度私立一般大學校院教授及副... .xlsx .pdf .ods				106-10-05
106年敬師電子賀卡				106-09-22
內政部區域計畫委員會提案資料				106-09-07
106年度教育部暨部屬機關學校總務人員財產管理研習班(106...				106-08-30
107年度教育部補助高級中等以下學校校園美感環境再造計畫				106-08-23
研修補習及進修教育法公聽會會議手冊				106-08-18
				+ 更多

At the bottom, there is a banner for the 106th National Education Conference (106年教育研討會) with the date 8/17 and a link to the controversy clarification zone (爭議訊息澄清專區).

ODS file is made by...

The screenshot shows a web browser window with a terminal window open. The terminal displays the following XML metadata for an ODF document:

```
extracting: Thumbnails/thumbnail.png
inflating: content.xml
inflating: settings.xml
inflating: META-INF/manifest.xml
franklin@ezgo13:~/libreoffice/ODF實驗室/www.edu.tw$ more meta.xml
<?xml version="1.0" encoding="UTF-8"?>
<office:document-meta xmlns:office="urn:oasis:names:tc:opendocument:xmlns:office:1.0" xmlns:xlink="http://www.w3.org/1999/xlink" xmlns:dc="http://purl.org/dc/elements/1.1/" xmlns:meta="urn:oasis:names:tc:opendocument:xmlns:meta:1.0" xmlns:ooo="http://openoffice.org/2004/office" xmlns:grddl="http://www.w3.org/2003/g/data-view#" office:version="1.2"><office:meta><meta:initial-creator>moejsmpc</meta:initial-creator><dc:creator>moejsmpc</dc:creator><meta:print-date>2017-10-05T05:06:59</meta:print-date><meta:creation-date>2017-10-05T02:09:01</meta:creation-date><dc:date>2017-10-05T06:40:31</dc:date><meta:generator>LibreOffice/5.1.2.2$Windows_x86 LibreOffice project/d3bf12ecb743fc0d20e0be0c58ca359301eb705f</meta:generator><meta:document-statistic meta:table-count="1" meta:cell-count="38" meta:object-count="0"/><meta:user-defined meta:name="AppVersion">15.0300</meta:user-defined><meta:user-defined meta:name="DocSecurity" meta:value-type="float">0</meta:user-defined><meta:user-defined meta:name="HyperlinksChanged" meta:value-type="boolean">false</meta:user-defined><meta:user-defined meta:name="LinksUpToDate" meta:value-type="boolean">false</meta:user-defined><meta:user-defined meta:name="ScaleCrop" meta:value-type="boolean">false</meta:user-defined><meta:user-defined meta:name="ShareDoc" meta:value-type="boolean">false</meta:user-defined></office:meta></office:document-meta>
franklin@ezgo13:~/libreoffice/ODF實驗室/www.edu.tw$
```

The sidebar on the right shows a list of dates:

- 106-10-05
- 106-09-22
- 106-09-07
- 106-08-30
- 106-08-23
- 106-08-18
- + 更多

Below the list, there are two buttons: "106年教育部鼓勵出國..." and "爭議訊息澄清專區".

Positive Signs

- More and more files provided by public administrations are in ODF/PDF format.
- In 2016, most of these files were problematic because of...
- I even saw a department uploading an rar file which contained only one doc file.
- Since 2017 I found that, more and more files were generated by AOO / LibreOffice

Before Coming to Rome...

國家發展委員會
ODF 文件應用工具導入流程說明會(台北場)簽到表

丁王方

服務機關及單位	姓名	職稱	簽名	備註
1 國軍退除役官兵輔導委員會			丁	
2 臺北市政府捷運工程局東區工程處			丁	
3 臺北市教師研習中心總務組			方	
4 國立基隆女中			方	
5 新北市議會			王	
6 國立中正紀念堂管理處			王	
臺北自來水事業處工程總隊			王	
中華郵政股份有限公司			王	
臺灣桃園地方法院檢察署			王	
1 新北市萬里區公所			王	
1 經濟部中央地質調查所			王	
12 國立教育廣播電臺			王	
13 經濟部智慧財產局			王	
14 金門縣議會			王	
15 新北市議會			王	
16 內政部警政署保安警察第三總隊			王	

姓名後方標記有 (*) 者，若需研習時數，請於備註欄填入身份證字號，謝謝！

1/25

國家發展委員會
ODF 文件應用工具導入流程說明會(台北場)簽到表

服務機關及單位	姓名	職稱	簽名	備註
雲林縣虎尾鎮公所				
疾治管判署			劉	
經濟部專研中心			王	
金門航空站			翁	
北投戶政				
經濟部專研中心				楊
新北內政部區公所				黃
台大醫院竹東				李
宜蘭國中				蔡
勞動部勞動力發展署桃園分署				
新北市政府教育局				林

姓名後方標記有 (*) 者，若需研習時數，請於備註欄填入身份證字號，謝謝！

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9 Big ODF Sessions

- **National Development Council (NDC)**
Taiwan asked us to hold 8 ODF communication sessions, 2 for north Taiwan, 2 for middle, 2 for south and 2 for east. Then NDC added 1 more to the south.
- Each session limited the number of attendees from 70 (East) to 300 (North)
- 4 had been held, with each session full (actually overflow).

How Many Migration Projects?

- No, I can't count it.
- Or you can say one – the whole Taiwan government.
- In 2017 Users and authorities in governments **become a lot more active** for this, because they started to realize that...

We (and NDC) ARE SERIOUS!!



**So the future is
so bright.....?**

Certification Interview in Taipei



"What do you think we still need when migrating LibreOffice to organizations?"

Mostly Asked Questions

"Do you have any email client that can replace Outlook?"

Outlook

- Bound to Microsoft Office Suite
- The License Fee would be much more expensive if buying Outlook only

E-mail Client Alternatives

- Plenty of FOSS E-mail clients
 - Thunderbird
 - Sylpheed
 - KMail
- All of the above are easy to replace Outlook, as long as...

No
Active Directory

And/Or
Exchange

Successful Example

- Yi-Lan County
 - They didn't want to be bound to AD from the very beginning
 - The Information Administration Department recommended Thunderbird for users

Failed Example

- A (Very) Big Enterprise in Taiwan
 - Active Directory
 - Exchange IMAP
 - Thunderbird addon for Exchange IMAP is not free (and actually doesn't work either)
- Current solution
 - Keep using Outlook
 - Replacing the mail service to web-based

What's Still Needed?

- I don't think that the LibreOffice suite needs to contain an e-mail client
- However we need a basic recommended / suggested solution
 - A (globally) suggested solution working with AD / Exchange
 - Frontend / Backend Integration

Backend

- Extend from LibreOffice to Open Source Solution for enterprises/organizations
 - Coordinated with open source SI (global even better)
 - Not only mail service, but also other ERP/HR/Accounting services, at least not Windows/IE only

Frontend

- If the backend services can be friendly, cross-platform / cross-browser, frontend applications will not be problems
- Even desktop environment can be replaced
 - Solve XP problems for governments/schools/enterprises

LibreOffice Migration Professionals

- Maybe LMPs can form a group to provide a basic open source total solutions, including PIM like Mail, Calendar, Groupware, ... etc.
 - Either compatible with AD / Exchange
 - Or develop a statement to "persuade" customers gradually change their infrastructures without being vendor locked in, and can be accessible to all OS / browsers

Others

- Python API/Macro modules/components
 - StarBasic used only for simple action recording
(Is it still under development?)
- Modules creating reports / forms in ODF
 - Many reports / forms in organizations were generated by Crystal Reports
 - HTML-based MS format?!
 - Document Liberation Project

Thanks. Any Question?

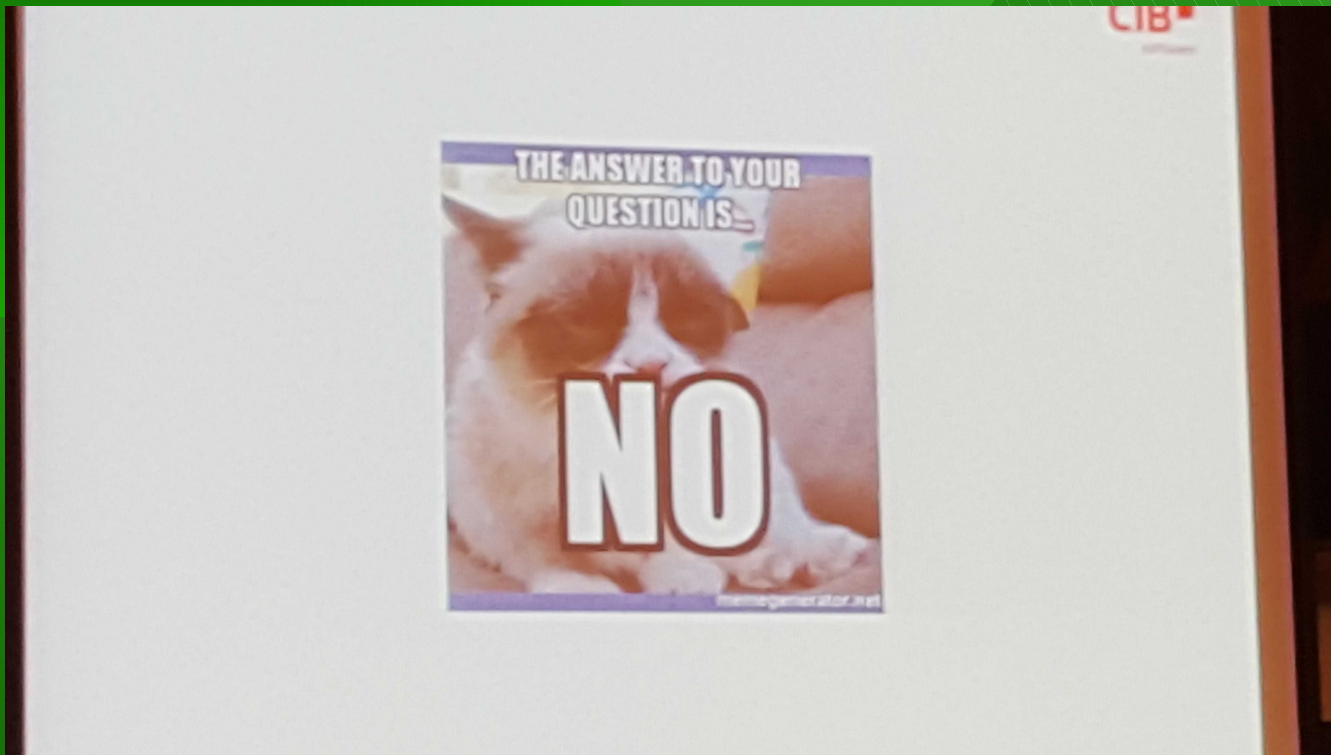
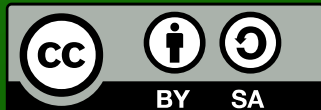


Photo taken by me, slide from Katarina Behrens in her talk "The Power of Mentoring"



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