# Morpho - Bug #4059

## Using the new Morpho Guide to repalce one

05/11/2009 02:08 PM - Jing Tao

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| **Status:** | Resolved | | **Start date:** | 05/11/2009 |
| **Priority:** | Normal | | **Due date:** | |
| **Assignee:** | Jing Tao | | **% Done:** | 0% |
| **Category:** | morpho - general | | **Estimated time:** | 0.00 hour |
| **Target version:** | 1.7 | | **Spent time:** | 0.00 hour |
| **Bugzilla-Id:** | 4059 | | | |

**Description**

Hi Jing,

I wanted to mention that you should include Kirsten's new Morpho User
Guide in the Morpho release, as it is both more accurate and more
readable that the original guide. ï¿½This may cause some issues with the
help system, and you'll need a way to display it as a pdf file.
Kepler has a way of opening PDF files from within Java, so we should
be able to do it in Morpho. ï¿½Any thoughts on what impact this might
have on the help system?

Thanks
Matt

Ben pointed out we may use Jpedal library to display the pdf file. Jpedal has a version of GPL. However, the GPL version only has
the source file and no build tool. I will put the source file into the lib dir and write a target in morpho build.xml to build a jar file.

## History

**#1 - 05/14/2009 06:22 PM - Jing Tao**

Jpedal couldn't clearly display the images. So I tried Adobe Viewer Java Bean.
But this is pretty old software and has a commercial license.

So I chose the PDFRenderer which is open source project and has LGPL license. It can display the image better.

**#2 - 05/15/2009 02:41 PM - Jing Tao**

PDFRenderer is still not good. I talked with jim and he suggested to use the default pdf viewer in OS.

So we come up with the solution:
1. First try to open the pdf file by default os application.
2. If the process failed, we use PDFRenderer as backup.

Any suggestions and comments will be appreciated.

**#3 - 05/15/2009 02:47 PM - Matt Jones**

Jing, I htink using the default OS pdf viewer is the safest approach. Using PDF Renderer as a backup is a good idea. We've been using the OS pdf
viewer in Kepler for the various guides, and it works quite well. As we don't need really tight integration with the PDF file in this case, and given that
the java pdf renderers still seem to have issues, I think opening it in a dedicated external app is the best approach.

**#4 - 05/15/2009 03:04 PM - Jing Tao**

Thanks, matt!

I will use the default OS pdf viewer to open it. Just in real bad case to open it by PDFRenderer (I don't expect this will happen).

Would you please point out where I can find those code in kepler? Did they use something like "Runtime.getRuntime().exec()"?

**#5 - 05/18/2009 03:42 PM - Jing Tao**

Both Jim and I tested the new code, it works. The os we tested includes mac, linux, windows xp and windows vista.

**#6 - 08/12/2009 03:54 PM - Jing Tao**

move to 1.7

**#7 - 03/27/2013 02:25 PM - Redmine Admin**

Original Bugzilla ID was 4059