

## DROID

<http://sourceforge.net/projects/droid/>

<http://www.nationalarchives.gov.uk/information-management/our-services/dc-file-profiling-tool.htm>

Developed by the UK National Archives, DROID is used for file format identification purposes; it can also be used to create checksums. Not all files will be identified, however the information gathered is still useful in determining what file formats are in the collection and what files might be at risk when thinking about long-term digital preservation. (More detailed information can be found on the UK National Archives webpage listed above.)

To Run DROID in a Windows Environment you can follow the instructions below.

### *Start Up:*

- run the droid.bat file or the droid.jar file [one or both might work]
  - o Windows XP try droid.jar 6.0
  - o Windows 7 try droid.jar 6.1

### *Choose Your Settings:*

- Under the Tools Menu, Choose Preferences.
- If you want DROID to calculate MD5 hash values, click the box.
- Adjust other settings as desired.

### *Add Folders/Files to Analyze:*

- Add the folder you wish to identify by clicking the green plus/Add button
  - o Navigate to the folder
  - o Make sure the “Include Subfolder” box is checked
  - o Click OK

### *Save the Profile:* [this will allow the reports that are created later to include the accession name]

- Click the Disk/Save button.
- Rename the file with the accession name and/or number.
- Save the file (to a location that you can find easily – i.e. desktop)
- *NOTE: At the time of the creation of this document, if you are using V6.1 or a Windows 7 machine you will need to **Close the file, and then reopen the file with the open button in DROID before continuing.** (see explanation at end of document)*

### *Run Droid:* (start the process) [Continue with files or open the saved profile – see note above]

- Click the blue Play/Start button
- Wait for it to complete (status bar at the bottom)

### *Results:*

- Displayed in table form
- Can be exported
- Reports can be created on certain properties

The screenshot shows the DROID v6.1 interface with a table of results. The table has columns for Resource, Extension, Size, Last modified, Ids, Format, Version, Mime type, PUID, Method, and Hash. Three rows of PDF files are visible, each with a unique PUID and hash.

| Resource | Extension | Size     | Last modif...   | Ids | Format          | Version | Mime type       | PUID                   | Method    | Hash          |
|----------|-----------|----------|-----------------|-----|-----------------|---------|-----------------|------------------------|-----------|---------------|
| C:\Us... | pdf       | 219.2 KB | 12/11/12 1:0... |     | Acrobat PDF ... | 1.5     | application/pdf | <a href="#">fmt/19</a> | Signature | 43149f665b... |
| C:\Us... | pdf       | 25.8 KB  | 12/19/12 7:3... |     | Acrobat PDF ... | 1.4     | application/pdf | <a href="#">fmt/18</a> | Signature | f96b1ec8ae... |
| C:\Us... | pdf       | 33.9 KB  | 12/11/12 7:5... |     | Acrobat PDF ... | 1.4     | application/pdf | <a href="#">fmt/18</a> | Signature | d2f6d000ec... |

Results View

*Export Results:* Shows details for each file as identified by DROID (Profile Report)

- Click the Export button
- Select the profile to export
- Select One Row Per File
- Click Export Profiles
- Save with appropriate file name in appropriate location
- Click OK

*Create Reports:* Various reports can be created under the Report Icon. One is documented below.

*File Format Extension Report*

- o Click the Report Icon
- o Select the profile to run the report on
- o Select the File Count and Sizes by File Extension Report from the drop down list
- o Click Report on Profiles button
- o A report will be generated
- o To save the report, click Export
- o Name the Report, Save to appropriate location

Re-Save Profile:

- If you would like to reuse the same profile again, remember to save it.

**IMPORTANT INFORMATION ON VERSIONS AND FUNCTIONALITY:** State Archives has two versions of Droid V6.01 and V6.1. There have been issues along the way with both of them. Current exploration reveals the following: V6.01 works on Windows XP machines and V6.1 on both Windows XP and 7 machines. V6.01 does not work on Windows 7. When using V6.1 you MUST first save the profile after loading the content in, close the profile, open it back up, and then run the file identification and reports. If you save the file, run the identification

process, and try to run a report, it will not work. You will need to close the profile, open it back up and create and save the report.

**Other Resources Available for DROID:**

- <http://vimeo.com/24718678> (online video from the UK National Archives)
- <http://www.nationalarchives.gov.uk/documents/information-management/droid-how-to-use-it-and-interpret-results.pdf> (UK National Archives Documentation)
- <http://e-records.chrisprom.com/using-droid-for-appraisal/>
- <http://e-records.chrisprom.com/more-on-using-droid-for-appraisal/>