Fun with File Formats in FRDR

@Risk North 3 - November 21, 2024
Amanda Tomé, Preservation Coordinator, Digital Research Alliance of Canada

Digital Research Alliance of Canada | Alliance de recherche numérique du Canada

FRDR Federated Research Data Repository | DFDR Dépôt fédéré de données de recherche

Background

- Federated Research Data Repository (FRDR) is a general purpose, bilingual repository
- Accept datasets from all research domains
- Wide range of file formats
- ~400 file formats unknown or misidentified

File Format Work

- Development of file format signatures
- File format signatures can be external or internal

Hex editor example for rawacf format

Community

- Submission of format signatures to PRONOM
- Reach wider digital preservation community
- Reach a variety of tools and software
- PRONOM Drop-Ins increase collaboration

Details for: MATLAB Script File   💾 Save as... XML | CSV   🖨 Print

Go to: **Summary** | **Documentation** ❯ | **Signatures** ❯ | **Compression** ❯ | **Character encoding** ❯ | **Rights** ❯ | **Reference files** ❯ **Properties** ❯

Summary

Name	MATLAB Script File
Version	
Other names	
Identifiers	PUID: fmt/1678
Family	
Classification	Text (Structured)
Disclosure	
Description	MATLAB (an abbreviation of MATrix LABoratory) software and language enables the user to undertake numerical computation and visualization, programme and analyze data, develop algorithms, and create models. Files with extension m are the source code that executes MATLAB commands. A single MATLAB simulation can contain multiple .m files, each one performing a different function.
Orientation	
Byte order	
Related file formats	None.
Technical Environment	
Released	
Supported until	
Format Risk	
Developed by	None.
Supported by	ⓘ MathWorks / MathWorks
Source	ⓘ Technische Informationsbibliothek (TIB) Hannover / Technische Informationsbibliothek (TIB) Hannover
Source date	28 Apr 2022
Source description	
Last updated	28 Apr 2022
Note	

PRONOM Interface

Next Steps

- Create documentation about unknown formats
- Share documentation with the Alliance's Network of Experts
- Share with larger digital preservation community

Digital Research Alliance of Canada | Alliance de recherche numérique du Canada

alliancecan.ca 𝕏 @Alliance_Can in /AllianceCan ✉ amanda.tome@alliancecan.ca