



**Personal data file structures, known as “80 series”**. Author Colin Howard April 2022, issue 1.0

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## **1 Conditions of use**

Collaborators will be granted an unlimited and no cost licence to the use of 80 series on registration of their interest, and an undertaking to comply with the terms, confirmation of their support of the personal data file concept, plus their technical and financial capability to progress it. Whilst the licence is free the project is intended to be revenue generating for participants and licensees are encouraged to seek commercial exploitation, plus enhance the specification.

## **2 Basic premise**

The belief is that every individual should in future be in direct control of their own personal data with no alternative claims to any part of their life. That requires a new common architecture to allow the essential connectivity and interactions of commercial and social life so that a transfer, from centralised control to distributed control, can be achieved without any restriction or loss of functionality.

## **3 Simplicity**

As such the structure has to be totally simple, not only to design and deploy, but also for the user to understand and manage, since it is intended that they will be both the administrators and controllers of their own files. Thus the plan is to have fields that have the same meaning and purpose in the same location, regardless of language, with simple and predictable navigation.

## **4 Terms of use**

- 1 It is intended that the developer community be encouraged to contribute to, update and enhance all aspects of this specification but it will at all times be subject to the discipline and control of MDL Ltd.
- 2 Licensees will apply for registration for their free exploitation and will be requested to confirm their acceptance of these and any subsequent terms, together with a commitment to contribute to the development of both the specification and its introduction to the market.
- 3 It is both expected and intended that licensees will create their own market ideas for the benefit of the data owners and it will be the intention to ensure that any bone fide organisation be allowed to exploit the licence for any future service. However it is also intended that it will be a restricted privilege to those with the genuine capability to create revenue for themselves through their commercial and financial competence as well as serving the interest of the data file owner. Thus only those who provide an essential aspect of the architecture will retain the free use. Where a corporate requires a simple consent connector to acquire information, they will have to work through a licensee.
- 4 Those granted that privilege must undertake to provide free and open support to any aspect of the specification and confirm that they will never place any restraints on access to data files through any element of their design and programming. The intent is that any interconnect traffic must flow entirely freely and that any and all charges are paid by third party beneficiaries, not the users, nor any part of the transmission



structure. That condition applies to interconnect traffic, it is not intended to restrict a licensee from charging for an optional service to the data file owner, but no charge can be made for a routine consent access even if it is from a third party.

- 5 All licensees undertake to provide mutual and total cooperation to each other, except in the event of a contravention of these terms. If a license is withdrawn as a consequence then they undertake to comply with the instructions of MDL Ltd as regards future management. Please note that licenses will be withdrawn if they are not exploited.
- 6 Each individual and their data file will be findable on the Internet as an identified web page, for which IPV6 will be an essential tool. Licensees undertake to ensure that this capability is provided as a service.
- 7 All licensees undertake to retain a copy of any developed and shared code and keep it secure as protection against any misuse of any aspect of another licensees business. All and any recovery protocols will be a continuous subject for cooperation and subsequently published freely.
- 8 MDL Ltd reserves the right to apply additional terms without notice.

## 5 Release levels

### Level 1

At this early stage of application adoption we are more concerned with principles than absolutes, so Level 1 should be regarded as a form of place marker that has as its main purpose the creation of the individual data identity on the Internet, rather than extensive population of the files themselves. Thus we create a simple holding page and volume considerations dictate the use of IPV6 as an identifier, but even that might be only reserved for at the earliest stage of creating a product. The important thing is that all licensees agree to create the same file position for their data as within the inserted appendix which over time will grow considerably, but retaining consistency at all times. It may be that some users will never seek to exploit the potential, and if that is the case then no additional cost should be placed on the developer. For those who do there should be a clear path forwards. (Headings available as a spreadsheet.)

### Level 2

Will be making the data file owner aware that they have a unique facility, personal to them, and enabling their initial access and control, with an IPV6 address giving them access to a very basic webpage that is intended for their administrative use only, it is not perceived that it will be discoverable by others in this form, but an options page could be provided as a separate and chargeable service. This level gives them access to instructions on how to navigate, populate and use their data fields, plus giving them the opportunity to move to higher levels.

### Level 3

Subject to considerable extra work and development, this level will be the actual exploitation of the data and its provision for the use of third party applications to replace the corporate holding of personal information. The design concepts will be as per the further notes below and licensees must agree common standards through MDL Ltd so as to ensure total compatibility. These standards will be published as further releases of the licence and all the terms will apply.



## **6 File navigation**

Files will be set out within a simple tree structure whose content can be physically moved through and viewed by a data owner in administration mode, thus requiring no specialist skills. Clicking on a field will bring up their options, such as to enter data, edit data, delete data, encrypt data and grant access consent to an identified party to that field. This can be pre-empted, that is granting consent in advance, or as a response to a consent request – either on a one time basis, or until withdrawn. Based on the original title start point further files can be created so as to accommodate all future growth but (with the exception of user ‘note’ files) any extension of the navigation has to be notified and included within the standard specification. Generally speaking this will be set by the first developer group to create the file requirement, but once set then duplication elsewhere will not be acceptable in order to keep a common standard.

## **7 File types**

For security purposes the default position for all files will be an encrypted state, the exceptions being where the owner sets a page area to “public view” which may be relevant to certain applications, or alternatively where specific consent has been granted to an identified applicant. Public view might be used for advertising articles for sale or product that is being searched for, in which case the application of key words should allow a return from specific subject matter that the user requires.

## **8 Consent connectors**

These will be expanded upon in a further release that will cover the functionality and security considerations.

## **9 Certification connectors**

Similarly the relationship with certification bodies that can dynamically confirm the authenticity and currency of any qualification or dated right.

## **10 Language**

It will be intended to add the option to create the structure in any language, but the first initial establishment will be in UK English.

## **11 Third party data**

It is not the intention to be the exclusive provider of data services, indeed it may be against the interests of suppliers to duplicate the capacity of organisations such as YouTube, but we will wish to ensure that personal data is not lost in an alternative location by providing links to it.

## **12 Security**

Clearly security is a massive subject in the context of the provision of personal data holding resources, especially where managed access is a functional prerequisite. It will be a subject that must be continuously addressed and monitored, but the fundamental security will come from the files being encrypted, plus creating an isolation between restricted pages and public view pages, so that the former are only ever in an Intranet environment where log files and additional



authentication can be applied to any interaction. The subject is covered also under the Security tab on the mydatalife.com website.

### **13 Backup**

Once again this will become an emerging science with experience and is likely to be a service offered by the prime data source provider. Users will be encouraged to take their own, occasional offsite data copy.

### **14 Recovery of Account**

Please note that this is a heading within the file structure and is intended to be an area where a user can instruct a trusted third party with information that would allow them access to and control of their data file in various pre-determined circumstances, one of which could be death or incapacity. To ensure the integrity of the system any and all terms of a recovery contract must be agreed with MDL Ltd.

### **15 Registration**

To register the involvement of your organisation please email [info@mydatalife.com](mailto:info@mydatalife.com) in the first instance.



## Appendix

### MDL Personal file structure

MDL ID/IPV6

I am...

Name

Address

Age

Place of birth

Passport Expiry

Driving Licence Expiry

Next of Kin

Telephone numbers

National Insurance number

Health Service number

Company/Employer

Email

DBS

Vehicle information

Qualifications

Previous names

Known as

Alias

KYC

AML

Social Media

Recovery of account

Consents

MFA

Education

Health record

Key numbers

Key names

Wallet data

Bank data

Data storage locations

Web address details

Probate authority

Web based relationships

Family

Legal

Accountancy

Health



Religion  
Messaging  
Employment  
Travel  
Third party data links