

Shared MIME-info Database

X Desktop Group (<http://www.freedesktop.org>)

Thomas Leonard

tal197 at users.sf.net

1. Introduction

1.1. Version

This is version 0.16 of the Shared MIME-info Database specification, last updated 25 January 2008.

1.2. What is this spec?

Many programs and desktops use the MIME system[MIME] to represent the types of files. Frequently, it is necessary to work out the correct MIME type for a file. This is generally done by examining the file's name or contents, and looking up the correct MIME type in a database.

It is also useful to store information about each type, such as a textual description of it, or a list of applications that can be used to view or edit files of that type.

For interoperability, it is useful for different programs to use the same database so that different programs agree on the type of a file and information is not duplicated. It is also helpful for application authors to only have to install new information in one place.

This specification attempts to unify the MIME database systems currently in use by GNOME[GNOME], KDE[KDE] and ROX[ROX], and provide room for future extensibility.

The MIME database does NOT store user preferences (such as a user's preferred application for handling files of a particular type). It may be used to store static information, such as that files of a certain type may be viewed with a particular application.

1.3. Language used in this specification

The key words "MUST", "MUST NOT", "REQUIRED", "SHALL", "SHALL NOT", "SHOULD", "SHOULD NOT", "RECOMMENDED", "MAY", and "OPTIONAL" in this document are to be interpreted as described in RFC 2119[RFC-2119].

2. Unified system

In discussions about the previous systems used by GNOME, KDE and ROX (see the "History and related systems" document), it was clear that the differences between the databases were simply a result of them being separate, and not due to any fundamental disagreements between developers. Everyone is keen to see them merged.

This specification proposes:

- A standard way for applications to install new MIME related information.
- A standard way of getting the MIME type for a file.
- A standard way of getting information about a MIME type.
- Standard locations for all the files, and methods of resolving conflicts.

Further, the existing databases have been merged into a single package [SharedMIME].

2.1. Directory layout

There are two important requirements for the way the MIME database is stored:

- Applications must be able to extend the database in any way when they are installed, to add both new rules for determining type, and new information about specific types.
- It must be possible to install applications in /usr, /usr/local and the user's home directory (in the normal Unix way) and have the MIME information used.

This specification uses the XDG Base Directory Specification[BaseDir] to define the prefixes below which the database is stored. In the rest of this document, paths shown with the prefix <MIME> indicate the files should be loaded from the mime subdirectory of every directory in XDG_DATA_HOME:XDG_DATA_DIRS.

For example, when using the default paths, "Load all the <MIME>/text/html.xml files" means to load /usr/share/mime/text/html.xml, /usr/local/share/mime/text/html.xml, and ~/.local/share/mime/text/html.xml (if they exist).

Each application that wishes to contribute to the MIME database will install a single XML file, named after the application, into one of the three `<MIME>/packages/` directories (depending on where the user requested the application be installed). After installing, uninstalling or modifying this file, the application **MUST** run the **update-mime-database** command, which is provided by the freedesktop.org shared database[SharedMIME].

update-mime-database is passed the `mime` directory containing the `packages` subdirectory which was modified as its only argument. It scans all the XML files in the `packages` subdirectory, combines the information in them, and creates a number of output files.

Where the information from these files is conflicting, information from directories lower in the list takes precedence. Any file named `Override.xml` takes precedence over all other files in the same `packages` directory. This can be used by tools which let the user edit the database to ensure that the user's changes take effect.

The files created by **update-mime-database** are:

- `<MIME>/globs` (contains a mapping from names to MIME types) [deprecated for `glob2`]
- `<MIME>/globs2` (contains a mapping from names to MIME types and glob weight)
- `<MIME>/magic` (contains a mapping from file contents to MIME types)
- `<MIME>/subclasses` (contains a mapping from MIME types to types they inherit from)
- `<MIME>/aliases` (contains a mapping from aliases to MIME types)
- `<MIME>/icons` (contains a mapping from MIME types to icons)
- `<MIME>/generic-icons` (contains a mapping from MIME types to generic icons)
- `<MIME>/XMLnamespaces` (contains a mapping from XML (namespaceURI, localName) pairs to MIME types)
- `<MIME>/MEDIA/SUBTYPE.xml` (one file for each MIME type, giving details about the type, including comment, icon and generic-icon)
- `<MIME>/mime.cache` (contains the same information as the `globs2`, `magic`, `subclasses`, `aliases`, `icons`, `generic-icons` and `XMLnamespaces` files, in a binary, mmappable format)

The format of these generated files and the source files in `packages` are explained in the following sections. This step serves several purposes. First, it allows applications to quickly get the data they need without parsing all the source XML files (the base package alone is over 700K). Second, it allows the database to be used for other purposes (such as creating the `/etc/mime.types` file if desired). Third, it allows validation to be performed on the input data, and removes the need for other applications to carefully check the input for errors themselves.

2.2. The source XML files

Each application provides only a single XML source file, which is installed in the `packages` directory as described above. This file is an XML file whose document element is named **mime-info** and whose

namespace URI is <http://www.freedesktop.org/standards/shared-mime-info>. All elements described in this specification **MUST** have this namespace too.

The document element may contain zero or more **mime-type** child nodes, in any order, each describing a single MIME type. Each element has a **type** attribute giving the MIME type that it describes.

Each **mime-type** node may contain any combination of the following elements, and in any order:

- **glob** elements have a **pattern** attribute. Any file whose name matches this pattern will be given this MIME type (subject to conflicting rules in other files, of course). There is also an optional **weight** attribute which is used when resolving conflicts with other glob matches. The default weight value is 50, and the maximum is 100.

KDE's glob system replaces GNOME's and ROX's ext/regex fields, since it is trivial to detect a pattern in the form '*.ext' and store it in an extension hash table internally. The full power of regular expressions was not being used by either desktop, and glob patterns are more suitable for filename matching anyway.

- **magic** elements contain a list of **match** elements, any of which may match, and an optional **priority** attribute for all of the contained rules. Low numbers should be used for more generic types (such as 'gzip compressed data') and higher values for specific subtypes (such as a word processor format that happens to use gzip to compress the file). The default priority value is 50, and the maximum is 100.

Each **match** element has a number of attributes:

Attribute	Required?	Value
type	Yes	string, host16, host32, big16, big32, little16, little32 or byte.
offset	Yes	The byte offset(s) in the file to check. This may be a single number or a range in the form 'start:end', indicating that all offsets in the range should be checked. The range is inclusive.
value	Yes	The value to compare the file contents with, in the format indicated by the type attribute.
mask	No	The number to AND the value in the file with before comparing it to 'value'. Masks for numerical types can be any number, while masks for strings must be in base 16, and start with 0x.

Each element corresponds to one line of file(1)'s `magic.mime` file. They can be nested in the same way to provide the equivalent of continuation lines. That is, `<a><c/>` means 'a and (b or c)'.

- **alias** elements indicate that the type is also sometimes known by another name, given by the **type** attribute. For example, **audio/midi** has an alias of **audio/x-midi**. Note that there should not be a **mime-type** element defining each alias; a single element defines the canonical name for the type and lists all its aliases.
- **sub-class-of** elements indicate that any data of this type is also some other type, given by the **type** attribute. See Section 2.10.
- **comment** elements give a human-readable textual description of the MIME type, usually composed of an acronym of the file name extension and a short description, like "ODS spreadsheet". There may be many of these elements with different **xml:lang** attributes to provide the text in multiple languages.
- **acronym** elements give experienced users a terse idea of the document contents. for example "ODS", "GEDCOM", "JPEG" and "XML". There may be many of these elements with different **xml:lang** attributes to provide the text in multiple languages, although these should only be used if absolutely necessary.
- **expanded-acronym** elements are the expanded versions of the acronym elements, for example "OpenDocument Spreadsheet", "GENealogical Data COMMunication", and "eXtensible Markup Language". The purpose of these elements is to provide users a way to look up information on various MIME types or file formats in third-party resources. There may be many of these elements with different **xml:lang** attributes to provide the text in multiple languages, although these should only be used if absolutely necessary.
- **icon** elements specify the icon to be used for this particular mime-type, given by the **name** attribute. Generally the icon used for a mimetype is created based on the mime-type by mapping "/" characters to "-", but users can override this by using the **icon** element to customize the icon for a particular mimetype. This element is not used in the system database, but only used in the user overridden database. Only one **icon** element is allowed.
- **generic-icon** elements specify the icon to use as a generic icon for this particular mime-type, given by the **name** attribute. This is used if there is no specific icon (see **icon** for how these are found). These are used for categories of similar types (like spreadsheets or archives) that can use a common icon. The Icon Naming Specification lists a set of such icon names. If this element is not specified then the mimetype is used to generate the generic icon by using the top-level media type (e.g. "video" in "video/ogg") and appending "-x-generic" (i.e. "video-x-generic" in the previous example). Only one **generic-icon** element is allowed.
- **root-XML** elements have **namespaceURI** and **localName** attributes. If a file is identified as being an XML file, these rules allow a more specific MIME type to be chosen based on the namespace and localname of the document element.

If **localName** is present but empty then the document element may have any name, but the namespace must still match.

Applications may also define their own elements, provided they are namespaced to prevent collisions. Unknown elements are copied directly to the output XML files like **comment** elements. A typical use for this would be to indicate the default handler application for a particular desktop ("Galeon is the GNOME

default text/html browser"). Note that this doesn't indicate the user's preferred application, only the (fixed) default.

Here is an example source file, named `diff.xml`:

```
<?xml version="1.0"?>
<mime-info xmlns='http://www.freedesktop.org/standards/shared-mime-info'>
  <mime-type type="text/x-diff">
    <comment>Differences between files</comment>
    <comment xml:lang="af">verskille tussen lêers</comment>
    ...
    <magic priority="50">
      <match type="string" offset="0" value="diff\t"/>
      <match type="string" offset="0" value="***\t"/>
      <match type="string" offset="0" value="Common subdirectories: "/>
    </magic>
    <glob pattern="*.diff"/>
    <glob pattern="*.patch"/>
  </mime-type>
</mime-info>
```

In practice, common types such as `text/x-diff` are provided by the freedesktop.org shared database. Also, only new information needs to be provided, since this information will be merged with other information about the same type.

2.3. The MEDIA/SUBTYPE.xml files

These files have a **mime-type** element as the root node. The format is as described above. They are created by merging all the **mime-type** elements from the source files and creating one output file per MIME type. Each file may contain information from multiple source files. The **magic**, **glob** and **root-XML** elements will have been removed.

The example source file given above would (on its own) create an output file called

`<MIME>/text/x-diff.xml` containing the following:

```
<?xml version="1.0" encoding="utf-8"?>
<mime-type xmlns="http://www.freedesktop.org/standards/shared-mime-info" type="text/x-diff"
<!--Created automatically by update-mime-database. DO NOT EDIT!-->
  <comment>Differences between files</comment>
  <comment xml:lang="af">verskille tussen lêers</comment>
  ...
</mime-type>
```

2.4. The glob files

The glob2 file is a simple list of lines containing weight, MIME type and pattern, separated by a colon. The lines are ordered by glob weight. For example:

```
# This file was automatically generated by the
# update-mime-database command. DO NOT EDIT!
...
55:text/x-diff:*.patch
50:text/x-diff:*.diff
...
```

The glob file is a simple list of lines containing a MIME type and pattern, separated by a colon. It is deprecated in favour of the glob2 file which also lists the weight of the glob rule. The lines are ordered by glob weight. For example:

```
# This file was automatically generated by the
# update-mime-database command. DO NOT EDIT!
...
text/x-diff:*.patch
text/x-diff:*.diff
...
```

Applications **MUST** first try a case-sensitive match, then try again with the filename converted to lower-case if that fails. This is so that `main.C` will be seen as a C++ file, but `IMAGE.GIF` will still use the `*.gif` pattern.

If several patterns match then the longest pattern **SHOULD** be used. In particular, files with multiple extensions (such as `Data.tar.gz`) **MUST** match the longest sequence of extensions (eg `*.tar.gz` in preference to `*.gz`). Literal patterns (eg, `'Makefile'`) must be matched before all others. It is suggested that patterns beginning with `*.` and containing no other special characters (`*?[]`) should be placed in a hash table for efficient lookup, since this covers the majority of the patterns. Thus, patterns of this form should be matched before other wildcarded patterns.

If a matching pattern is provided by two or more MIME types, applications **SHOULD** not rely on one of them. They are instead supposed to use magic data (see below) to detect the actual MIME type. This is for instance required to deal with container formats like Ogg or AVI, that map various video and/or audio-encoded data to one extension.

There may be several rules mapping to the same type. They should all be merged. If the same pattern is defined twice, then they **MUST** be ordered by the directory the rule came from, as described above.

Lines beginning with '#' are comments and should be ignored. Everything from the ':' character to the newline is part of the pattern; spaces should not be stripped. The file is in the UTF-8 encoding. The format of the glob pattern is as for `fnmatch(3)`. The format does not allow a pattern to contain a literal newline character, but this is not expected to be a problem.

Common types (such as MS Word Documents) will be provided in the X Desktop Group's package, which **MUST** be required by all applications using this specification. Since each application will then only be providing information about its own types, conflicts should be rare.

2.5. The magic files

The magic data is stored in a binary format for ease of parsing. The old magic database had complex escaping rules; these are now handled by **update-mime-database**.

The file starts with the magic string "MIME-Magic\0\n". There is no version number in the file. Incompatible changes will be handled by creating both the current 'magic' file and a newer 'magic2' in the new format. Where possible, compatible changes only will be made. All numbers are big-endian, so need to be byte-swapped on little-endian machines.

The rest of the file is made up of a sequence of small sections. Each section is introduced by giving the priority and type in brackets, followed by a newline character. Higher priority entries come first.

Example:

```
[50:text/x-diff]\n
```

Each line in the section takes the form:

```
[ indent ] ">" start-offset "=" value
[ "&" mask ] [ "~" word-size ] [ "+" range-length ] "\n"
```

Part	Example	Meaning
indent	1	The nesting depth of the rule, corresponding to the number of '>' characters in the traditional file format.
">" start-offset	>4	The offset into the file to look for a match.
"=" value	=\0x0\0x2\0x55\0x40	Two bytes giving the (big-endian) length of the value, followed by the value itself.
"&" mask	&\0xff\0xf0	The mask, which (if present) is exactly the same length as the value.

Part	Example	Meaning
"~" word-size	~2	On little-endian machines, the size of each group to byte-swap.
"+" range-length	+8	The length of the region in the file to check.

Note that the value, value length and mask are all binary, whereas everything else is textual. Each of the elements begins with a single character to identify it, except for the indent level.

The word size is used for byte-swapping. Little-endian systems should reverse the order of groups of bytes in the value and mask if this is greater than one. This only affects 'host' matches ('big32' entries still have a word size of 1, for example, because no swapping is necessary, whereas 'host32' has a word size of 4).

The indent, range-length, word-size and mask components are optional. If missing, indent defaults to 0, range-length to 1, the word-size to 1, and the mask to all 'one' bits.

Indent corresponds to the nesting depth of the rule. Top-level rules have an indent of zero. The parent of an entry is the preceding entry with an indent one less than the entry.

If an unknown character is found where a newline is expected then the whole line should be ignored (there will be no binary data after the new character, so the next line starts after the next "\n" character). This is for future extensions.

The text/x-diff above example would (on its own) create this magic file:

```
00000000 4d 49 4d 45 2d 4d 61 67 69 63 00 0a 5b 35 30 3a |MIME-Magic..[50:|
00000010 74 65 78 74 2f 78 2d 64 69 66 66 5d 0a 3e 30 3d |text/x-diff].>0=|
00000020 00 05 64 69 66 66 09 0a 3e 30 3d 00 04 2a 2a 2a |..diff..>0=..***|
00000030 09 0a 3e 30 3d 00 17 43 6f 6d 6d 6f 6e 20 73 75 |..>0=..Common su|
00000040 62 64 69 72 65 63 74 6f 72 69 65 73 3a 20 0a |bdirectories: .|
```

2.6. The XMLnamespaces files

Each XMLnamespaces file is a list of lines in the form:

```
namespaceURI " " localName " " MIME-Type "\n"
```

For example:

```
http://www.w3.org/1999/xhtml html application/xhtml+xml
```

The lines are sorted (using strcmp in the C locale) and there are no lines with the same namespaceURI and localName in one file. If the localName was empty then there will be two spaces following the namespaceURI.

2.7. The icon files

The icons and generic-icons files are list of lines in the form:

```
MIME-Type ":" icon-name "\n"
```

For example:

```
application/msword:x-office-document
```

2.8. The mime.cache files

The mime.cache files contain the same information as the globs2, magic, subclasses, aliases and XMLnamespaces files, in a binary, mmappable format:

Header:

```
2 CARD16 MAJOR_VERSION 1
2 CARD16 MINOR_VERSION 1
4 CARD32 ALIAS_LIST_OFFSET
4 CARD32 PARENT_LIST_OFFSET
4 CARD32 LITERAL_LIST_OFFSET
4 CARD32 REVERSE_SUFFIX_TREE_OFFSET
4 CARD32 GLOB_LIST_OFFSET
4 CARD32 MAGIC_LIST_OFFSET
4 CARD32 NAMESPACE_LIST_OFFSET
4 CARD32 ICONS_LIST_OFFSET
4 CARD32 GENERIC_ICONS_LIST_OFFSET
```

AliasList:

```
4 CARD32 N_ALIASES
8*N_ALIASES AliasListEntry
```

AliasListEntry:

```
4 CARD32 ALIAS_OFFSET
4 CARD32 MIME_TYPE_OFFSET
```

ParentList:

```
4 CARD32 N_ENTRIES
8*N_ENTRIES ParentListEntry
```

ParentListEntry:

```

4   CARD32  MIME_TYPE_OFFSET
4   CARD32  PARENTS_OFFSET

```

Parents:

```

4   CARD32  N_PARENTS
4*N_PARENTS CARD32  MIME_TYPE_OFFSET

```

LiteralList:

```

4   CARD32  N_LITERALS
8*N_LITERALS LiteralEntry

```

LiteralEntry:

```

4   CARD32  LITERAL_OFFSET
4   CARD32  MIME_TYPE_OFFSET
4   CARD32  WEIGHT

```

GlobList:

```

4   CARD32  N_GLOBS
8*N_GLOBS  GlobEntry

```

GlobEntry:

```

4   CARD32  GLOB_OFFSET
4   CARD32  MIME_TYPE_OFFSET
4   CARD32  WEIGHT

```

ReverseSuffixTree:

```

4   CARD32  N_ROOTS
4   CARD32  FIRST_ROOT_OFFSET

```

ReverseSuffixTreeNode:

```

4   CARD32  CHARACTER
4   CARD32  MIME_TYPE_OFFSET
4   CARD32  N_CHILDREN
4   CARD32  FIRST_CHILD_OFFSET
4   CARD32  WEIGHT

```

MagicList:

```

4   CARD32  N_MATCHES
4   CARD32  MAX_EXTENT
4   CARD32  FIRST_MATCH_OFFSET

```

Match:

```

4   CARD32  PRIORITY
4   CARD32  MIME_TYPE_OFFSET
4   CARD32  N_MATCHLETS
4   CARD32  FIRST_MATCHLET_OFFSET

```

Matchlet:

```

4   CARD32  RANGE_START
4   CARD32  RANGE_LENGTH
4   CARD32  WORD_SIZE
4   CARD32  VALUE_LENGTH
4   CARD32  VALUE

```

```

4  CARD32  MASK
4  CARD32  N_CHILDREN
4  CARD32  FIRST_CHILD_OFFSET

NamespaceList:
4  CARD32  N_NAMESPACES
12*N_NAMESPACES  NamespaceEntry

NamespaceEntry:
4  CARD32  NAMESPACE_URI_OFFSET
4  CARD32  LOCAL_NAME_OFFSET
4  CARD32  MIME_TYPE_OFFSET

GenericIconsList:
IconsList:
4  CARD32  N_ICONS
8*N_ICONS  IconListEntry

IconListEntry:
4  CARD32  MIME_TYPE_OFFSET
4  CARD32  ICON_NAME_OFFSET

```

Lists in the file are sorted, to enable binary searching. The list of aliases is sorted by alias, the list of literal globs is sorted by the literal. The SuffixTreeNode siblings are sorted by character. The list of namespaces is sorted by namespace uri. The list of icons is sorted by mimetype.

Identical globs are stored in the suffix tree by appending suffix tree nodes with '\0' as character.

All offsets are in bytes from the beginning of the file.

Strings are zero-terminated.

All numbers are in network (big-endian) order. This is necessary because the data will be stored in arch-independent directories like `/usr/share/mime` or even in user's home directories.

Cache files have to be written atomically - write to a temporary name, then move over the old file - so that clients that have the old cache file open and mmap'ed won't get corrupt data.

2.9. Storing the MIME type using Extended Attributes

An implementation MAY also get a file's MIME type from the `user.mime_type` extended attribute. The type given here should normally be used in preference to any guessed type, since the user is able to set it explicitly. Applications MAY choose to set the type when saving files. Since many applications and filesystems do not support extended attributes, implementations MUST NOT rely on this method being available.

2.10. Subclassing

A type is a subclass of another type if any instance of the first type is also an instance of the second. For example, all image/svg files are also text/xml, text/plain and application/octet-stream files. Subclassing is about the format, rather than the category of the data (for example, there is no 'generic spreadsheet' class that all spreadsheets inherit from).

Some subclass rules are implicit:

- All text/* types are subclasses of text/plain.
- All streamable types (ie, everything except the inode/* types) are subclasses of application/octet-stream.

In addition to these rules, explicit subclass information may be given using the **sub-class-of** element.

Note that some file formats are also compressed files (application/x-jar files are also application/zip files). However, this is different to a case such as a compressed postscript file, which is not a valid postscript file itself (so application/x-gzpostscript does not inherit from application/postscript, because an application that can handle the latter may not cope with the former).

Some types may or may not be instances of other types. For example, a spreadsheet file may be compressed or not. It is a valid spreadsheet file either way, but only inherits from application/x-gzip in one case. This information cannot be represented statically; instead an application interested in this information should run all of the magic rules, and use the list of types returned as the subclasses.

2.11. Recommended checking order

Because different applications have different requirements, they may choose to use the various methods provided by this specification in any order. However, the RECOMMENDED order to perform the checks is:

- If a MIME type is provided explicitly (eg, by a ContentType HTTP header, a MIME email attachment, an extended attribute or some other means) then that should be used instead of guessing.
- Otherwise, start by doing a glob match of the filename. If one or more glob matches, and all the matching globs result in the same mimetype, use that mimetype as the result.
- If the glob matching fails or results in multiple conflicting mimetypes, read the contents of the file and do magic sniffing on it. If no magic rule matches the data (or if the content is not available), use the default type of application/octet-stream for binary data, or text/plain for textual data. If there was no glob match the magic match as the result.

Note: Checking the first 32 bytes of the file for ASCII control characters is a good way to guess whether a file is binary or text, but note that files with high-bit-set characters should still be treated as text since these can appear in UTF-8 text, unlike control characters.

- If any of the mimetypes resulting from a glob match is equal to or a subclass of the result from the magic sniffing, use this as the result. This allows us for example to distinguish text files called "foo.doc" from MS-Word files with the same name, as the magic match for the MS-Word file would be application/x-ole-storage which the MS-Word type inherits.
- Otherwise use the result of the glob match that has the highest weight.

There are several reasons for checking the glob patterns before the magic. First of all doing magic sniffing is very expensive as reading the contents of the files causes a lot of seeks, which is very expensive. Secondly, some applications don't check the magic at all (sometimes the content is not available or too slow to read), and this makes it more likely that both will get the same type.

Also, users can easily understand why calling their text file `README.mp3` makes the system think it's an MP3, whereas they have trouble understanding why their computer thinks `README.txt` is a PostScript file. If the system guesses wrongly, the user can often rename the file to fix the problem.

2.12. Non-regular files

Sometimes it is useful to assign MIME types to other objects in the filesystem, such as directories, sockets and device files. This could be useful when looking up an icon for a type, or for providing a textual description of one of these objects. The media type 'inode' is provided for this purpose, with the following types corresponding to the standard types of object found in a Unix filesystem:

```
inode/blockdevice
inode/chardevice
inode/directory
inode/fifo
inode/mount-point
inode/socket
inode/symlink
```

An inode/mount-point is a subclass of inode/directory. It can be useful when adding extra actions for these directories, such as 'mount' or 'eject'. Mounted directories can be detected by comparing the 'st_dev' of a directory with that of its parent. If they differ, they are from different devices and the directory is a mount point.

2.13. Security implications

The system described in this document is intended to allow different programs to see the same file as having the same type. This is to help interoperability. The type determined in this way is only a guess, and an application **MUST NOT** trust a file based simply on its MIME type. For example, a downloader should not pass a file directly to a launcher application without confirmation simply because the type

looks 'harmless' (eg, text/plain).

Do not rely on two applications getting the same type for the same file, even if they both use this system. The spec allows some leeway in implementation, and in any case the programs may be following different versions of the spec.

2.14. User modification

The MIME database is NOT intended to store user preferences. Users should never edit the database. If they wish to make corrections or provide MIME entries for software that doesn't provide these itself, they should do so by means of the Override.xml mentioned in Section 2.1. Information such as "text/html files need to be opened with Mozilla" should NOT go in the database.

3. Contributors

Thomas Leonard <tal197 at users.sf.net>
 David Faure <david at mandrakesoft.com>
 Alex Larsson <alex1 at redhat.com>
 Seth Nickell <snickell at stanford.edu>
 Keith Packard <keithp at keithp.com>
 Filip Van Raemdonck <mechanix at debian.org>
 Christos Zoulas <christos at zoulas.com>
 Matthias Clasen <mclasen at redhat.com>

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DesktopEntries*Desktop Entry Specification*,
<http://www.freedesktop.org/standards/desktop-entry-spec.html>

SharedMIME*Shared MIME-info Database*, <http://www.freedesktop.org/standards/shared-mime-info.html>

RFC-2119 *Key words for use in RFCs to Indicate Requirement Levels*,
<http://www.ietf.org/rfc/rfc2119.txt?number=2119>

BaseDir *XDG Base Directory Specification*
<http://www.freedesktop.org/standards/basedir/draft/basedir-spec/basedir-spec.html>

ACAP *ACAP Media Type Dataset Class* <ftp://ftp.ietf.org/internet-drafts/draft-ietf-acap-mediatype-01.txt>