

Integration of MDFS into a Linux operating system

Location of files

Root directory

The default location for the root directory is */system*. The applications, which are part of the MDFS, are detecting the directory in this way:

- from a command line parameter, named *--system*
- from an environment variable, *MDFS*
- fallback to default value of */system*

Binaries and path

The binaries or at least the links to them are in the *bin* directory. All the public binaries used in the MDFS are prefixed with the “*mdfs.*” prefix (with dot). The executable search path variable, *PATH*, could be set to contain this *bin* directory only for some users - it does not need to be set system wide (unless you run parts of the MDFS e.g. in *cron*). To setup the MDFS for one user, add these two lines to the *~/.bashrc* file:

```
export PATH=/system/bin:$PATH
export MDFS=/system
```

PHP integration

A lot of code generated by MDFS requires that your PHP interpreter will search for classes also in the *php* located in the root of MDFS. This requires only one modification to your *php.ini* file:

```
include_path=".:system/php:/usr/lib/php"
```

Managing MDFS

There are few actions which can be called management of the system. All the utilities will give a help screen on *-h* or *--help* command line parameter.

Generator switching

We have a tool to switch between the generated generator and the minimal one:

```
mdfs.release-config [ -l | -c | name ]
-l, --list
-c, --current
```

Whole system rebuilding

To rebuild the whole system - not the user projects, but the system of generators, converters, dimensions and everything what is needed for generation and compilation of source code, you can use:

```
mdfs.regenerate
-a, --activate
```

Repository validation

You check the files in the repository. Now it works as check for well formed xml, but later we'll make validation based upon schemas. The command is:

```
mdfs.validate
```

Schema documentation generation

If you use the schema documentation, you can regenerate the statically served files by:

```
mdfs.schema-docs
```