

Medli OS

v0.10

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1 Namespace Index

1.1 Packages

Here are the packages with brief descriptions (if available):

Medli	3
Medli.Applications	4
Medli.System	4

2 Hierarchical Index

2.1 Class Hierarchy

This inheritance list is sorted roughly, but not completely, alphabetically:

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3 Class Index

3.1 Class List

Here are the classes, structs, unions and interfaces with brief descriptions:

Medli.ErrorHandler.BlueScreen	4
Medli.Applications.Cowsay	
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Medli.OSVars	21
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4 Namespace Documentation

4.1 Medli Namespace Reference

Namespaces

Classes

- class [ErrorHandler](#)

- class [FSfunc](#)
- class [getHelp](#)
Help class, called by mshell
- class [Installer](#)
Class for the [Medli](#) installer
- class [Kernel](#)
- class [OSVars](#)
- class [Shell](#)
- class [Sysfunc](#)

4.2 Medli.Applications Namespace Reference

Classes

- class [Cowsay](#)
A must-have for any command line operating system Doesn't have the other characters from the actual cowsay, but it'll do for now :P
- class [cpedit](#)
Cocoapad Editor class contains methods needed for the editor to function
- class [cpview](#)
- class [mdscript](#)
Class for Medliscrypt (mdscript), a simple scripting language for the [Medli](#) command line shell
- class [MIV](#)
- class [mshell](#)
- class [Tests](#)

4.3 Medli.System Namespace Reference

Classes

- class [machineinfo](#)

5 Class Documentation

5.1 Medli.ErrorHandler.BlueScreen Class Reference

Static Public Member Functions

- static void [Init](#) (int errlvl, string errdsc, string err)
Initializes the BSoD equivalent, getting the error level, error description and the error itself

Static Public Attributes

- static string [Msg](#)
BSoD equivalent message, when users see this, then they know it truly is an 'O shit' situation

5.1.1 Detailed Description

Definition at line 12 of file ErrorHandler.cs.

5.1.2 Member Function Documentation

5.1.2.1 Init()

```
static void Medli.ErrorHandler.BlueScreen.Init (
    int errlvl,
    string errdsc,
    string err ) [static]
```

Initializes the BSoD equivalent, getting the error level, error description and the error itself

Parameters

<i>errlvl</i>	
<i>errdsc</i>	
<i>err</i>	

Definition at line 33 of file ErrorHandler.cs.

5.1.3 Member Data Documentation

5.1.3.1 Msg

```
string Medli.ErrorHandler.BlueScreen.Msg [static]
```

Initial value:

$$= @''$$

What's happened now?! "

BSoD equivalent message, when users see this, then they know it truly is an 'O shit' situation

Definition at line 17 of file ErrorHandler.cs.

The documentation for this class was generated from the following file:

- Medli2/Kernel/ErrorHandler.cs

5.2 Medli.Applications.Cowsay Class Reference

A must-have for any command line operating system Doesn't have the other characters from the actual cowsay, but it'll do for now :P

Static Public Member Functions

- static void [print](#) (string args)
Prints the argument passed to 'cowsay' into the speech bubble said by the cow
- static void [Main](#) (string args)
Main method for [Medli](#) cowsay, standard feature :P This basically prints the cow onto the screen, then calls '[print\(\)](#)' to render the message

5.2.1 Detailed Description

A must-have for any command line operating system Doesn't have the other characters from the actual cowsay, but it'll do for now :P

Definition at line 12 of file cowsay.cs.

5.2.2 Member Function Documentation

5.2.2.1 Main()

```
static void Medli.Applications.Cowsay.Main (
    string args ) [static]
```

Main method for [Medli](#) cowsay, standard feature :P This basically prints the cow onto the screen, then calls '[print\(\)](#)' to render the message

Parameters

args	
----------------------	--

Definition at line 33 of file cowsay.cs.

5.2.2.2 print()

```
static void Medli.Applications.Cowsay.print (
    string args ) [static]
```

Prints the argument passed to 'cowsay' into the speech bubble said by the cow

Parameters

<code>args</code>	
-------------------	--

Definition at line 19 of file cowsay.cs.

The documentation for this class was generated from the following file:

- Medli2/Applications/cowsay.cs

5.3 Medli.Applications.cedit Class Reference

Cocoapad Editor class contains methods needed for the editor to function

Static Public Member Functions

- static void `Run` (string file)
Main method for the Cocoapad edit Originally from Chocolate OS (pre-Medli) but won't rename this application

Static Public Attributes

- static string `text` = ""
The current text inside the editor is stored in a string It gets transferred to the 'savedtext' string when saved.
- static string `savedtext` = ""
Saved text is stored in a string
- static bool `running` = true
Boolean to see whether Cocoapad is running or not

5.3.1 Detailed Description

Cocoapad Editor class contains methods needed for the editor to function

Definition at line 14 of file cocoaedit.cs.

5.3.2 Member Function Documentation

5.3.2.1 `Run()`

```
static void Medli.Applications.cedit.Run (
    string file ) [static]
```

Main method for the Cocoapad edit Originally from Chocolate OS (pre-Medli) but won't rename this application

Parameters

<i>file</i>	
-------------	--

Definition at line 34 of file cocoaedit.cs.

5.3.3 Member Data Documentation

5.3.3.1 running

```
bool Medli.Applications.cpedit.running = true [static]
```

Boolean to see whether Cocoapad is running or not

Definition at line 28 of file cocoaedit.cs.

5.3.3.2 savedtext

```
string Medli.Applications.cpedit.savedtext = "" [static]
```

Saved text is stored in a string

Definition at line 24 of file cocoaedit.cs.

5.3.3.3 text

```
string Medli.Applications.cpedit.text = "" [static]
```

The current text inside the editor is stored in a string It gets transferred to the 'savedtext' string when saved.

Definition at line 20 of file cocoaedit.cs.

The documentation for this class was generated from the following file:

- Medli2/Applications/cocoaedit.cs

5.4 Medli.Applications.cview Class Reference

Static Public Member Functions

- static void **Run** ()
- static void **ViewFile** (string file)

5.4.1 Detailed Description

Definition at line 10 of file cocoaview.cs.

The documentation for this class was generated from the following file:

- Medli2/Applications/cocoaview.cs

5.5 Medli.ErrorHandler Class Reference

Classes

- class [BlueScreen](#)

Static Public Member Functions

- static void [Init](#) (int errlvl, string errdsc, bool critical, string err)
Initializes the error reporter, works as an error handler for exceptions inside applications

5.5.1 Detailed Description

Definition at line 10 of file ErrorHandler.cs.

5.5.2 Member Function Documentation

5.5.2.1 Init()

```
static void Medli.ErrorHandler.Init (  
    int errlvl,  
    string errdsc,  
    bool critical,  
    string err ) [static]
```

Initializes the error reporter, works as an error handler for exceptions inside applications

Parameters

<i>errlvl</i>	
<i>errdsc</i>	
<i>critical</i>	
<i>err</i>	

Definition at line 54 of file ErrorHandler.cs.

The documentation for this class was generated from the following file:

- Medli2/Kernel/ErrorHandler.cs

5.6 Medli.FSfunc Class Reference

Static Public Member Functions

- static void `dir` ()
`dir()` lists the contents of the current working directory Lists directories first with the tag <Directory>, then lists files by extension
- static void `mkdir` (string dirname)
Creates a directory with the parameter being 'dirname' 'dirname' is passed as an argument with it being the desired directory name to be created in the current working directory
- static void `cd` (string input)
Changes the current working directory to 'input' Passing '..' as a directory name will change the current working directory to it's parent, unless already at the root
- static void `deldir` (string dirname)
Deletes a directory, with the chosen directory name passed as 'dirname'
- static void `delfile` (string filename)
Deletes a file, with the chosen filename passed as 'filename'

Static Public Attributes

- static Sys.FileSystem.CosmosVFS `fs`
Declares the variable 'fs' to be the Virtual Filesystem Required assignment due to this class containing the file system functions

5.6.1 Detailed Description

Definition at line 11 of file fsfunc.cs.

5.6.2 Member Function Documentation

5.6.2.1 `cd()`

```
static void Medli.FSfunc.cd (
    string input ) [static]
```

Changes the current working directory to 'input' Passing '..' as a directory name will change the current working directory to it's parent, unless already at the root

Parameters

<code>input</code>	
--------------------	--

Definition at line 90 of file fsfunc.cs.

5.6.2.2 deldir()

```
static void Medli.FSfunc.deldir (
    string dirname ) [static]
```

Deletes a directory, with the chosen directory name passed as 'dirname'

Parameters

<i>dirname</i>	
----------------	--

Definition at line 111 of file fsfunc.cs.

5.6.2.3 delfile()

```
static void Medli.FSfunc.delfile (
    string filename ) [static]
```

Deletes a file, with the chosen filename passed as 'filename'

Parameters

<i>filename</i>	
-----------------	--

Definition at line 120 of file fsfunc.cs.

5.6.2.4 dir()

```
static void Medli.FSfunc.dir ( ) [static]
```

[dir\(\)](#) lists the contents of the current working directory Lists directories first with the tag <Directory>, then lists files by extension

Definition at line 24 of file fsfunc.cs.

5.6.2.5 mkdir()

```
static void Medli.FSfunc.mkdir (
    string dirname ) [static]
```

Creates a directory with the parameter being 'dirname' 'dirname' is passed as an argument with it being the desired directory name to be created in the current working directory

Parameters

<i>dirname</i>	
----------------	--

Definition at line 68 of file fsfunc.cs.

5.6.3 Member Data Documentation

5.6.3.1 fs

```
Sys.FileSystem.CosmosVFS Medli.FSfunc.fs [static]
```

Declares the variable 'fs' to be the Virtual Filesystem Required assignment due to this class containing the file system functions

Definition at line 17 of file fsfunc.cs.

The documentation for this class was generated from the following file:

- Medli2/System/fsfunc.cs

5.7 Medli.getHelp Class Reference

Help class, called by mshell

Static Public Member Functions

- static void [pages](#) (int pageno)
Creates multiple pages of 'help' so its not listed out in one go, makes for easier reading of available commands
- static void [full](#) ()
prints out all help pages after each other
- static void [specific](#) (string topic)
Gets the detailed help for a specific command given to the method

5.7.1 Detailed Description

Help class, called by mshell

Definition at line 12 of file getHelp.cs.

5.7.2 Member Function Documentation

5.7.2.1 full()

```
static void Medli.getHelp.full ( ) [static]
```

prints out all help pages after each other

Definition at line 68 of file getHelp.cs.

5.7.2.2 pages()

```
static void Medli.getHelp.pages (
    int pageno ) [static]
```

Creates multiple pages of 'help' so its not listed out in one go, makes for easier reading of available commands

Parameters

<i>pageno</i>	
---------------	--

Definition at line 24 of file getHelp.cs.

5.7.2.3 specific()

```
static void Medli.getHelp.specific (
    string topic ) [static]
```

Gets the detailed help for a specific command given to the method

Parameters

<i>topic</i>	
--------------	--

Definition at line 78 of file getHelp.cs.

The documentation for this class was generated from the following file:

- Medli2/Kernel/getHelp.cs

5.8 Medli.Installer Class Reference

Class for the [Medli](#) installer

Static Public Member Functions

- static void [InstallerWrite](#) (string text)
Custom Write method for the installer console, sets the cursor position
- static void [InstallerWriteLine](#) (string text)
Custom WriteLine method for the installer console, sets the cursor position
- static void [PAKTC](#) ()
Simple Press Any Key To Continue method.
- static void [MInit](#) ()
Initializes the installer and allows the user to choose a machine name Sets the machine name as a variable and writes it to the disk
- static void [InitScreen](#) (ConsoleColor color)
Initializes the [Medli](#) installer console screen by setting the default colour, the title and cursor position
- static void [Run](#) ()
Main installer method, choose colour of installer, choose desired username and reports if a FAT error occurs

Static Public Attributes

- static ConsoleColor [defaultcol](#) = ConsoleColor.Black
The default colour for the console
- static ConsoleColor [color](#)
Defines the ConsoleColor color so it can be changed as a variable
- static string [username](#)
Defines the username string but leaves it as NULL until set by the user in the installer

5.8.1 Detailed Description

Class for the [Medli](#) installer

Definition at line 13 of file Installer.cs.

5.8.2 Member Function Documentation

5.8.2.1 InitScreen()

```
static void Medli.Installer.InitScreen (  
    ConsoleColor color ) [static]
```

Initializes the [Medli](#) installer console screen by setting the default colour, the title and cursor position

Parameters

<i>color</i>	
--------------	--

Definition at line 104 of file Installer.cs.

5.8.2.2 InstallerWrite()

```
static void Medli.Installer.InstallerWrite (  
    string text ) [static]
```

Custom Write method for the installer console, sets the cursor position

Parameters

<i>text</i>	
-------------	--

Definition at line 19 of file Installer.cs.

5.8.2.3 InstallerWriteLine()

```
static void Medli.Installer.InstallerWriteLine (
    string text ) [static]
```

Custom WriteLine method for the installer console, sets the cursor position

Parameters

<i>text</i>	
-------------	--

Definition at line 28 of file Installer.cs.

5.8.2.4 MInit()

```
static void Medli.Installer.MInit ( ) [static]
```

Initializes the installer and allows the user to choose a machine name Sets the machine name as a variable and writes it to the disk

Definition at line 58 of file Installer.cs.

5.8.2.5 PAKTC()

```
static void Medli.Installer.PAKTC ( ) [static]
```

Simple Press Any Key To Continue method.

Definition at line 36 of file Installer.cs.

5.8.2.6 Run()

```
static void Medli.Installer.Run ( ) [static]
```

Main installer method, choose colour of installer, choose desired username and reports if a FAT error occurs

Definition at line 119 of file Installer.cs.

5.8.3 Member Data Documentation

5.8.3.1 color

```
ConsoleColor Medli.Installer.color [static]
```

Defines the ConsoleColor color so it can be changed as a variable

Definition at line 48 of file Installer.cs.

5.8.3.2 defaultcol

```
ConsoleColor Medli.Installer.defaultcol = ConsoleColor.Black [static]
```

The default colour for the console

Definition at line 44 of file Installer.cs.

5.8.3.3 username

```
string Medli.Installer.username [static]
```

Defines the username string but leaves it as NULL until set by the user in the installer

Definition at line 53 of file Installer.cs.

The documentation for this class was generated from the following file:

- Medli2/Installer/Installer.cs

5.9 Medli.Kernel Class Reference

Inherits Kernel.

Static Public Member Functions

- static void [PreInit](#) ()
Runs necessary checks to see if computer is running an existing installation

Static Public Attributes

- static string [current_dir](#) = "0:\\"
Sets the filesystems current directory to its initial value i.e. the root of the storage device, same initial value but keeps them separate
- static string [root_dir](#) = "0:\\"
Defines the root directory's value, same as current_dir's initial value but keeps them separate

Protected Member Functions

- override void [BeforeRun](#) ()
Initial kernel method, overrides the built-in Cosmos BeforeRun method
- override void [Run](#) ()
Main kernel method that runs in a loop - Overrides the built-in Cosmos [Run\(\)](#) method Calls the mshell.prompt() method that starts the user command line prompt.

Private Attributes

- Sys.FileSystem.CosmosVFS [fs](#)
Creates a new instance of the virtual filesystem called fs

5.9.1 Detailed Description

Definition at line 18 of file Kernel.cs.

5.9.2 Member Function Documentation

5.9.2.1 BeforeRun()

```
override void Medli.Kernel.BeforeRun ( ) [protected]
```

Initial kernel method, overrides the built-in Cosmos BeforeRun method

Definition at line 36 of file Kernel.cs.

5.9.2.2 PreInit()

```
static void Medli.Kernel.PreInit ( ) [static]
```

Runs necessary checks to see if computer is running an existing installation

Definition at line 75 of file Kernel.cs.

5.9.2.3 Run()

```
override void Medli.Kernel.Run ( ) [protected]
```

Main kernel method that runs in a loop - Overrides the built-in Cosmos [Run\(\)](#) method Calls the mshell.prompt() method that starts the user command line prompt.

Definition at line 68 of file Kernel.cs.

5.9.3 Member Data Documentation

5.9.3.1 current_dir

```
string Medli.Kernel.current_dir = "0:\\\" [static]
```

Sets the filesystems current directory to its initial value i.e. the root of the storage device, same initial value but keeps them separate

Definition at line 24 of file Kernel.cs.

5.9.3.2 fs

```
Sys.FileSystem.CosmosVFS Medli.Kernel.fs [private]
```

Creates a new instance of the virtual filesystem called fs

Definition at line 32 of file Kernel.cs.

5.9.3.3 root_dir

```
string Medli.Kernel.root_dir = "0:\\\" [static]
```

Defines the root directory's value, same as current_dir's initial value but keeps them separate

Definition at line 28 of file Kernel.cs.

The documentation for this class was generated from the following file:

- Medli2/Kernel/Kernel.cs

5.10 Medli.System.machineinfo Class Reference

Static Public Member Functions

- static uint **getRam** ()
- static void **reboot** ()
- static void **shutdown** ()
- static void **enableACPI** ()

5.10.1 Detailed Description

Definition at line 10 of file machine.cs.

The documentation for this class was generated from the following file:

- Medli.System/machine.cs

5.11 Medli.Applications.mdscript Class Reference

Class for Medlscript (mdscript), a simple scripting language for the [Medli](#) command line shell

Static Public Member Functions

- static void [Execute](#) (string scriptname)

Executes a script passed to the application, parsing the commands listed in a valid text file that has the extension '.mds'

5.11.1 Detailed Description

Class for Medlscript (mdscript), a simple scripting language for the [Medli](#) command line shell

Definition at line 14 of file mdscript.cs.

5.11.2 Member Function Documentation

5.11.2.1 Execute()

```
static void Medli.Applications.mdscript.Execute (
    string scriptname ) [static]
```

Executes a script passed to the application, parsing the commands listed in a valid text file that has the extension '.mds'

Parameters

<i>scriptname</i>	
-------------------	--

Definition at line 22 of file mdscript.cs.

The documentation for this class was generated from the following file:

- Medli2/Applications/mdscript.cs

5.12 Medli.Applications.MIV Class Reference

Static Public Member Functions

- static void **printMIVStartScreen** ()
- static String **stringCopy** (String value)
- static void **printMIVScreen** (char[] chars, int pos, String infoBar, Boolean editMode)
- static String **miv** (String start)
- static bool **isForbiddenKey** (ConsoleKey key)
- static void **delay** (int time)
- static void **StartMIV** ()

Static Public Attributes

- static string **file**

5.12.1 Detailed Description

Definition at line 10 of file MIV.cs.

The documentation for this class was generated from the following file:

- Medli2/Applications/MIV.cs

5.13 Medli.Applications.mshell Class Reference

Static Public Member Functions

- static void **invalidCommand** (string args, int errorlvl)
- static void **prompt** ()
- static void **cmd** (string input)

5.13.1 Detailed Description

Definition at line 8 of file mshell.cs.

The documentation for this class was generated from the following file:

- Medli2/Applications/mshell.cs

5.14 Medli.OSVars Class Reference

Static Public Member Functions

- static void **ver** ()
The welcome lines one and two (and three at a later stage) are printed onto the screen with different foreground colours.

Static Public Attributes

- static string **pcinfo** = **Kernel.root_dir** + "pcinfo.sys"
Defines where the PC information is stored as a file with it's location stored as a string
- static string **usrinfo** = **Kernel.root_dir** + "usrinfo.sys"
Defines where the user information is stored as a file, with it's location stored as a string
- static string **regname**
Won't be defined until registration is set up Left as null for now
- static string **pcname**
See 'Installer.MInit' for first declaration, shares the same value
- static string **username**
See 'Installer.username' - same string and value
- static double **version**
The Medli version is stored as a double
- static double **ver_no** = 0.9
The Medli version number is stored as a double Internal memo - why two?
- static string **logo**
The Medli logo is stored as an escaped string, required for the use of backslashes and newlines
- static string **wlcm1** = "Medli - Version " + OSVars.ver_no
Welcome line one - gets displayed on the welcome screen at first boot
- static string **wlcm2** = "Maintained by Arawn Davies under the MIT License"
Welcome line two - gets displayed after wlcm1 on the welcome screen at first boot

5.14.3.3 pcname

```
string Medli.OSVars.pcname [static]
```

See '[Installer.MInit](#)' for first declaration, shares the same value

- Redefined for global usage in [Medli](#)

Definition at line 34 of file OSVars.cs.

5.14.3.4 regname

```
string Medli.OSVars.regname [static]
```

Won't be defined until registration is set up Left as null for now

Definition at line 28 of file OSVars.cs.

5.14.3.5 username

```
string Medli.OSVars.username [static]
```

See '[Installer.username](#)' - same string and value

- Redefined for global usage in [Medli](#)

Definition at line 40 of file OSVars.cs.

5.14.3.6 usrinfo

```
string Medli.OSVars.usrinfo = Kernel.root\_dir + "usrinfo.sys" [static]
```

Defines where the user information is stored as a file, with it's location stored as a string

Definition at line 21 of file OSVars.cs.

5.14.3.7 ver_no

```
double Medli.OSVars.ver_no = 0.9 [static]
```

The [Medli](#) version number is stored as a double Internal memo - why two?

Definition at line 51 of file OSVars.cs.

5.14.3.8 version

```
double Medli.OSVars.version [static]
```

The [Medli](#) version is stored as a double

Definition at line 45 of file OSVars.cs.

5.14.3.9 wlcml

```
string Medli.OSVars.wlcml = "Medli - Version " + OSVars.ver_no [static]
```

Welcome line one - gets displayed on the welcome screen at first boot

Definition at line 70 of file OSVars.cs.

5.14.3.10 wlcml2

```
string Medli.OSVars.wlcml2 = "Maintained by Arawn Davies under the MIT License" [static]
```

Welcome line two - gets displayed after wlcml on the welcome screen at first boot

Definition at line 75 of file OSVars.cs.

The documentation for this class was generated from the following file:

- Medli2/System/OSVars.cs

5.15 Medli.Shell Class Reference

Static Public Member Functions

- static void **Run** ()

5.15.1 Detailed Description

Definition at line 11 of file Shell.cs.

The documentation for this class was generated from the following file:

- Medli2/System/Shell.cs

5.16 Medli.Sysfunc Class Reference

Static Public Member Functions

- static void **shutdown** ()
- static void **reboot** ()
- static void **clearScreen** ()
- static void **ram** ()
- static void **enableACPI** ()

Static Public Attributes

- static uint **getram** = machineinfo.getRam()

5.16.1 Detailed Description

Definition at line 12 of file sysfunc.cs.

The documentation for this class was generated from the following file:

- Medli2/System/sysfunc.cs

5.17 Medli.Applications.Tests Class Reference

Static Public Member Functions

- static void **Test** ()

Static Public Attributes

- static string **bsod**

5.17.1 Detailed Description

Definition at line 10 of file Tests.cs.

5.17.2 Member Data Documentation

5.17.2.1 bsod

```
string Medli.Applications.Tests.bsod [static]
```

Initial value:

```
= @"A problem has been detected and Windows has committed suicide to damage your computer.
The problem seems to be caused by the following file: POKEMON.SYS

LULZ_FAULT_IN_EASTEREGG_APP

If this is the first time you've seen this scary as f*** screen,
give up all hope. If this screen appears again, follow these steps:
Throw away this computer.
If this is a new installation, ask your hardware or software manufacturer
what's the point in buying Microsoft Windows products are.
If problems continue, don't bother using computers.
Get rid of memories such as who you are or your bank account PIN.
If you need to use a computer to look at dank memes,
press F8 on an imaginary keyboard to look like an absolute fool, and then select 'Why am I alive?'.
Not-so Technical information:
*** STOP: H4ck3rTlm3 (0xNeverGonnaGive,0xYouUp,0xNeverGonnaLet,0xYouDown)
*** POKEMON.SYS - Address lastase at FUCKm333, DateStamp DayAfterYesterday"
```

Definition at line 12 of file Tests.cs.

The documentation for this class was generated from the following file:

- Medli2/Applications/Tests.cs

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