

MyHD 2.x quick start

Asportal extension

Document version : **1.0**

Idesk is treated separately

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Installation

Get the APKG file from the Forum (in the future you can get it directly in AppCentral (I hope))

Install the APKG using Manual Install (in Manage tab of AppCentral) or directly if directly from AppCentral.

Fresh install take some time ...

Fresh install workflow :

APKG is near 1GBytes size ... so don't be afraid by time need to load it

APKG is installed then started, during this first start, **Ubuntu 20.04 L.T.S.** environment is installed, then **myHD** install in Asportal a "test" **myHD** application : **MH-test** that is displayed on HDMI screen.

Technical information :

ALL **MH-xxx** applications run in **Ubuntu 20.04** under a standard user named : **astr**

so NOT as **root** or **admin** like in Asportal / A.D.M. so with more security

Ubuntu 20.04 is started in a Namesoace using Ubuntu init and systemd, so not dependent of A.D.M. except that it share the network with A.D.M.

... so ALL port used by A.D.M. and APKG can't be used by myHD, I.P. is the same and host name is the same.

Ubuntu 20.04 don't have ANY visibility of A.D.M. share, so a first action to do is, after install, to define share also visible by myHD (see explain hereafter)

Ubuntu 20.04 users have their own home (in a separate folder for A.D.M. point of view) and it's NOT the HOME folder used by A.D.M.

Ubuntu 20.04 as any Ubuntu Linux require to be updated regularly, this is done using **apt** the default Ubuntu package manager.

NAS users don't need to have Ubuntu skills (even it's always a good idea (ex. For support on any Ubuntu support or how managing applications) BUT all can be do WITHOUT any skills.

Interface for managing myHD in NAS is :

myHD command line tool in a terminal connected as **root/your_admin_password** (not **admin**)

Basic WebUI (justa limited web interface to launch myHD command

FUTURE : new complete WebUI using script-server APKG.

TODO list after install :

1 a good idea is to update Ubuntu (this is to do regularly)

using : `myHD apt_upgrade_package` this can take some time, restart is some time necessary
`myHD restart`

2 Add share to be visible by myHD (ex. /share/Public or /share/Media etc.

this is done in 2 steps, 1 add share 2 restart to run myHD with it, you can redo for new share when you want, remove also, F.Y.I. temporary (up to next restart of myHD exist)

ex.

```
myHD add_include_folder /share/Public
```

```
myHD add_include_folder /share/Media
```

```
myHD restart
```

3 Install others MH-xxx applications (APKG) like MH-kodi19, etc. , this APKG are also in a private store

this is do using any method :

AppCentral

```
myHD install_App_from_store MH-xxx
```

or WebUI

4 Change keyboard layout if require

```
myHD set_new_keyboard_layout LAYOUT [VARIANT]
```

Enter in the Ubuntu environment :

Enter as root : `myHD_root` ... useful for any specific requirement

Enter as astr (user) : `myHD_astr` ... directly connected in the HOME `astr` folder where all settings are for this user (ex. : `.kodi`)

Same but using ssh exist `myHD_ssh_astr myHD_ssh_root` ... this is because enter in a namespace don't attach user to a terminal (so it's require in VERY RARE case), if you enter normally a script exist in myHD (Ubuntu) to create a tty dynamically :

```
/myHD_scripts/bin/addtty.py (open bash in a new tty, quit using exit)
```

```
/myHD_scripts/bin/addtty_exec_cmd.sh [Command] (same to execute only
```

one command)

REMEMBER in Linux case is sensitive ... so "No" is not "no"

myHD command list :

MyHD general :

=====

myHD start|stop|status

myHD stop_restore_asportal ... stop but disable Idesk and restore Asportal

myHD start_enabling_idesk ... start but enable Idesk if it is not

myHD restart|restart_rebuilt [idesk] ... if idesk restart not re-enable Asportal SET auto if Idesk up

myHD is_myHD_running ... run or not running response

myHD is_asportal_run ... run or not running response

myHD set_new_keyboard_layout LAYOUT [VARIANT] ... set configuration for new layout/variant and apply it

myHD show_actual_x_keyboard ... Xorg or myHD if run

myHD set_audio_engine [PULSE|ALSA] ... set default (if tested) audio engine (PULSE is default)

myHD show_audio_engine ... show actual engine used by default

=====

myHD list_all_installed_apkg list MH MH16 and MH18 installed APKG

myHD get_App_available ... list MH APKG available for installation in myHD from Father_Mande App. Store

myHD install_App_from_store [MH-xxx|MH16-xxx|MH18-xxx] VERSION ... install MHxxx APKG Version yy from Father_Mande App. Store

myHD apt_upgrade_package ... run apt-get update, upgrade and restart based on myHD.conf

=====

myHD set_use_jchroot ... use jchroot with bash (initial version)

myHD set_use_jinit ... use jchroot with systemd init (new approach)

myHD list_user_define ... list users already define in myHD (astr = admin)

myHD set_update_at_boot [on|off] ... set on or disable (off) update after start of myHD

myHD set_restart_if_update_require [on|off] ... set on or disable (off) restart after update of myHD

=====

myHD Idesk specific command :

=====

myHD set_use_idesk ... install, force jinit use Idesk / Openbox, etc. as FULL replacement of asportal (auto restart myHD)

myHD unset_use_idesk ... return to asportal usage (auto restart myHD)

myHD is_idesk_set ... response is set or unset

myHD idesk_mouse_config ... display button used in Idesk

===== ONLY if Idesk started

myHD restart_idesk ... restart Idesk only after change in desktop configuration

myHD restart_openbox ... restart openbox & Idesk only after change in desktop/openbox configuration

myHD restart_pulseaudio ... restart pulseaudio server in Idesk if some App kill it

myHD set_idesk_msg [zenity|whiptail] ... change method for interface senity or whiptail

myHD list_desktop_idesk ... NB of desktop and current desktop listed

myHD add_remove_idesk_desktop [add|remove] ... add or remove desktop for Idesk

myHD regenerate_snap_imag

myHD Autorun management :

=====

myHD list_available_app_for_autorun ... list MH-xxx MH16-xxx or MH18-xxx available for autorun in myHD

myHD list_my_autorun ... list MH APKG used for autorun in myHD

myHD set_my_autorun [MH-xxx|MH18-x| MHI-x|NONE] ... set myHD autorun to start MH?-xxxx companion application or NONE to cancel it

=====

myHD enter_as_root ... enter in myHD as root user

myHD enter_as_user USER_NAME ... enter in myHD as USER_NAME user

=====

myHD set_sshd_port PORT set the port use by dropbear for next myHD dropbear server start :
PORT is not verified take care

myHD restart_dropbear ... use it if you change port or keys of myHD dropbear server

myHD reset_ssh_keys ... recreate the ssh keys and install them in myHD user folder

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myHD share management (share is A.DM. Share) :

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myHD list_mounted_folder ... list all mounted folder (so also temporary)
myHD list_valid_folder ... list ALL valid folder able to be mounted in myHD and already selected
myHD add_include_folder [MOUNT_FOLDER_PATH_IN_myHD] ...(form : /share/xxxx)
permanent (at start) add folder to be mounted
myHD remove_include_folder FOLDER_PATH ... (like /share/xxx)
myHD list_include_folder ... list ALL folder permanently mounted in myHD
myHD list_temporary_mounted_folder ... list of temporary mounted folder
myHD mount_temporary_folder FOLDER ... mount temporary folder (/share/xxx)
myHD umount_temporary_folder FOLDER ... umount temporary folder (/share/xxx)

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myHD backup management :

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myHD clean_for_backup [full] ... clear man, doc and clean apt cache : full : add an auto-clean (so reduce drastically backup size)
----- auto-clean force to RE download packages when update / install ... so NO return to previous version NO some tools (tweek for ex.)
myHD backup_env [full] ... save snapshot of 2004 Ubuntu env. incremental or new full / home folder / scripts folder
myHD backup_home ... save ONLY the home folder (all users) to keep settings for applications ...
myHD set_backup_folder PATH_TO_FOLDER ... change the default or actual backup FOLDER (default is /usr/local/AppCentral/myHD/_snapshot/)
myHD list_backup_folder ... list the actual backup_fodler

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myHD WebUI (like v1.x) management :

===== changed in near future with new WebUI

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myHD enable_webui ... enable WebUI interface
myHD disable_webui ... disable WebUI interface ... so only command line can be used
myHD set_webui_lang LANG ... change WebUI language to LANG (ex. en, fr, xx, etc.)
myHD display_actual_webui_lang ... actual language in use
myHD list_available_lang_webui ... list all language available (complete or partial en is default for missing text)
myHD add_or_update_webui_user USER PASSWORD ... add if user don't exist or update password if user exist
myHD list_webui_user ... list ALL user define in password protected WebUI
myHD suppress_webui_user USER ... suppress a user of the list BUT no suppress possible if only ONE user is available

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myHD Uninstall **DANGEROUS** don't use it if you don't know EXACTLY what you do :

=====

----- DANGEROUS uninstall ... it's INTERACTIVE so wait for question and read carefully output text ...

myHD uninstall_myHD ... TOTAL REMOVE myHD INCLUDING ALL associated APKGs THEN ALL Ubuntu env. THEN myHD itself

myHD uninstall_all_myHD_APKG ... myHD remove ALL associated APKGs

myHD uninstall_Ubuntu_environment ... myHD remove ALL Ubuntu environment

=====

myHD list_ubuntu_env ... myHD list Ubuntu version used at this time

myHD switch_ubuntu_env 2004|1804|1604 ... myHD switch to new Ubuntu version or reverse

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