

**NAME**

tmosb – TheeMahn’s Operating System Builder (tmosb)

**SYNOPSIS**

**tmosb** --<COMMAND> [OPTION]

**DESCRIPTION**

**tmosb - Software suited for building Operating Systems from the ground up.**

**FEATURES**

TheeMahn’s Operating System builder will build one of 84 different Operating Systems with the simplicity of a single command dropped in the terminal. It is not limited to the production of Ultimate Edition, it too will build a Ubuntu based O/S’s from the ground up. Future versions could encapsulate Debian to do the same as an example.

**COMMAND SWITCH USAGE**

Every ‘flag’ option has a ‘no-flag’ counterpart with exception of help. Specifying no switch is the same as using the **--help** switch.

If an option or flag is marked as [XXX], it is optional. Options specified with <XXX> are required. They will only work in combination with the XXX option. Example: tmosb **--build**

Will not work because the format is <REQUIRED> <O/S TO BUILD> [OPTIONAL DE] in this case **--build** is the <REQUIRED> switch as per Synopsis above. No secondary <required> switch was provided. IE tmosb **--build ultimate-edition-3.4.iso** which is actually case insensitive the | separator signifies either, but not both. On the other hand tmosb **--extract** is just fine without providing a secondary switch. Please see OPTIONS section below.

tmosb as of version 1.7.7 has bash auto completion. This means you can enter tmosb -bu hit the tab key and it will change the output to tmosb **--build**.

**OPTIONS**

Build

**-b** , **--build** <O/S> [DE]

Specifying no Desktop Environment [DE] will build a standard O/S based on information provided, prompting first and displaying the output of what it is about to build for you.

TheeMahn O/S Builder (tmosb) 1.8.7, 08/14/2014

GNU tmosb (TheeMahn O/S Builder) home page: <<http://os-builder.com/>>.

E-mail bug reports to: <[TheeMahn@os-builder.com](mailto:TheeMahn@os-builder.com)>.

Be sure to include the word tmosb somewhere in the Subject: field.

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Usage build;

=====

⊞ tmosb -b <TARGET> ⊞

=====

Invokes tmosb to build <TARGET> from scratch. The format of the ISO must comply as follows:

<DISTRO>-<VERSION>-<ARCHITECTURE>-[LITE/GAMERS].[ISO] [DE]

Valid arguments are as follows:

Distro: ubuntu, ultimate-edition

Version: 12.04, 12.10, 13.04, 13.10, 14.04 for Ubuntu

Version: 3.4, 3.5, - , 4.5 for Ultimate Edition

Architecture: x86, x64, armel, armhf

Lite: lite

Gamers: gamers

Desktop Environment (DE): mate, kde, xfce, awesome, lxde, razorqt and / or gnome to add [OPTIONAL] Desktop Environment(s)

iso, lite, gamers and DE as per synopsis is [OPTIONAL]

=====

Example: tmosb **--build ultimate-edition-4.2-x64-lite.iso xfce**

Will build Ultimate Edition 4.2 64 bit Lite Operating System in ISO format.  
adding the optional XFCE DE **EXAMPLE:**

theemahn@JackHammer:~/wip3\$ tmosb --build ultimate-edition-4.4-x64-lite.iso

TheeMahn O/S Builder (tmosb) 1.8.7, 08/14/2014

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Operating System pre-build information for: ultimate-edition-4.4-x64-lite.iso

```
=====
E OPERATING SYSTEM VER  RELEASE BASE  ARCH  LTS TYPE      DE(s)
E Ultimate Edition      4.4    Utopic Unicorn  x64    NO  LITE      MATE
```

Is the above correct?

WARNING: this will take a long time and download vast quantities of data. (Y/N)?

**This is where most people fail in using this software it is best to copy and paste. If I get time I will enhance the software to make it smarter, maybe even a GUI to eliminate the chance for human error in typing one of the below verbatim.**

from the output of tmosb --build:

theemahn@JackHammer:~/wip3\$ tmosb --build

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Be sure to include the word tmosb somewhere in the Subject: field.

ERROR: Invalid switch. Generating valid switches:

```
=====
E OPERATING SYSTEM VERSION RELEASE BASE  ARCH  LTS DIST TYPE  DE(s)
=====
E Ultimate Edition 3.4  Precise Pangolin x86/x64 YES LITE/STANDARD MATE
=====
```

Default Build command(s):

tmosb --build ultimate-edition-3.4-x86-lite.iso

tmosb --build ultimate-edition-3.4-x64-lite.iso

tmosb --build ultimate-edition-3.4-x86-gamers.iso

tmosb --build ultimate-edition-3.4-x64-gamers.iso

tmosb --build ultimate-edition-3.4-x64.iso

tmosb --build ultimate-edition-3.4-x86.iso

```
=====
E OPERATING SYSTEM VERSION RELEASE BASE  ARCH  LTS DIST TYPE  DE(s)
=====
E Ultimate Edition 3.5  Precise Pangolin x86/x64 YES STANDARD  KDE
=====
```

Default Build command(s):

tmosb --build ultimate-edition-3.5-x86-lite.iso

tmosb --build ultimate-edition-3.5-x64-lite.iso

tmosb --build ultimate-edition-3.5-x86-gamers.iso

tmosb --build ultimate-edition-3.5-x64-gamers.iso

tmosb --build ultimate-edition-3.5-x64.iso

tmosb --build ultimate-edition-3.5-x86.iso

```
=====
E OPERATING SYSTEM VERSION RELEASE BASE  ARCH  LTS DIST TYPE  DE(s)
=====
E Ultimate Edition 3.6  Quantal Quetzal  x86/x64 NO  LITE/STANDARD MATE
=====
```

Default Build command(s):

tmosb --build ultimate-edition-3.6-x86-lite.iso

```

tmosb --build ultimate-edition-3.6-x64-lite.iso
tmosb --build ultimate-edition-3.6-x86-gamers.iso
tmosb --build ultimate-edition-3.6-x64-gamers.iso
tmosb --build ultimate-edition-3.6-x64.iso
tmosb --build ultimate-edition-3.6-x86.iso
=====
E OPERATING SYSTEM VERSION RELEASE BASE  ARCH  LTS DIST TYPE  DE(s)
=====
E Ultimate Edition 3.7  Quantal Quetzal x86/x64 NO STANDARD  KDE
=====
Default Build command(s):
tmosb --build ultimate-edition-3.7-x86-lite.iso
tmosb --build ultimate-edition-3.7-x64-lite.iso
tmosb --build ultimate-edition-3.7-x86-gamers.iso
tmosb --build ultimate-edition-3.7-x64-gamers.iso
tmosb --build ultimate-edition-3.7-x64.iso
tmosb --build ultimate-edition-3.7-x86.iso
=====
E OPERATING SYSTEM VERSION RELEASE BASE  ARCH  LTS DIST TYPE  DE(s)
=====
E Ultimate Edition 3.8  Raring Ringtail x86/x64 NO LITE/STANDARD MATE
=====
Default Build command(s):
tmosb --build ultimate-edition-3.8-x86-lite.iso
tmosb --build ultimate-edition-3.8-x64-lite.iso
tmosb --build ultimate-edition-3.8-x86-gamers.iso
tmosb --build ultimate-edition-3.8-x64-gamers.iso
tmosb --build ultimate-edition-3.8-x64.iso
tmosb --build ultimate-edition-3.8-x86.iso
=====
E OPERATING SYSTEM VERSION RELEASE BASE  ARCH  LTS DIST TYPE  DE(s)
=====
E Ultimate Edition 3.9  Raring Ringtail x86/x64 NO STANDARD  KDE
=====
Default Build command(s):
tmosb --build ultimate-edition-3.9-x86-lite.iso
tmosb --build ultimate-edition-3.9-x64-lite.iso
tmosb --build ultimate-edition-3.9-x86-gamers.iso
tmosb --build ultimate-edition-3.9-x64-gamers.iso
tmosb --build ultimate-edition-3.9-x64.iso
tmosb --build ultimate-edition-3.9-x86.iso
=====
E OPERATING SYSTEM VERSION RELEASE BASE  ARCH  LTS DIST TYPE  DE(s)
=====
E Ultimate Edition 4.0  Saucy Salamander x86/x64 NO LITE/STANDARD MATE
=====
Default Build command(s):
tmosb --build ultimate-edition-4.0-x86-lite.iso
tmosb --build ultimate-edition-4.0-x64-lite.iso
tmosb --build ultimate-edition-4.0-x86-gamers.iso
tmosb --build ultimate-edition-4.0-x64-gamers.iso
tmosb --build ultimate-edition-4.0-x64.iso
tmosb --build ultimate-edition-4.0-x86.iso
=====

```

```

Ξ OPERATING SYSTEM VERSION RELEASE BASE  ARCH  LTS DIST TYPE  DE(s)
=====
Ξ Ultimate Edition 4.1  Saucy Salamander x86/x64 NO STANDARD  KDE
=====
Default Build command(s):
tmosb --build ultimate-edition-4.1-x86-lite.iso
tmosb --build ultimate-edition-4.1-x64-lite.iso
tmosb --build ultimate-edition-4.1-x86-gamers.iso
tmosb --build ultimate-edition-4.1-x64-gamers.iso
tmosb --build ultimate-edition-4.1-x64.iso
tmosb --build ultimate-edition-4.1-x86.iso
=====
Ξ OPERATING SYSTEM VERSION RELEASE BASE  ARCH  LTS DIST TYPE  DE(s)
=====
Ξ Ultimate Edition 4.2  Trusty Tahr  x86/x64 YES LITE/STANDARD MATE
=====
Default Build command(s):
tmosb --build ultimate-edition-4.2-x86-lite.iso
tmosb --build ultimate-edition-4.2-x64-lite.iso
tmosb --build ultimate-edition-4.2-x86-gamers.iso
tmosb --build ultimate-edition-4.2-x64-gamers.iso
tmosb --build ultimate-edition-4.2-x64.iso
tmosb --build ultimate-edition-4.2-x86.iso
=====
Ξ OPERATING SYSTEM VERSION RELEASE BASE  ARCH  LTS DIST TYPE  DE(s)
=====
Ξ Ultimate Edition 4.3  Trusty Tahr  x86/x64 YES STANDARD  KDE
=====
Default Build command(s):
tmosb --build ultimate-edition-4.3-x86-lite.iso
tmosb --build ultimate-edition-4.3-x64-lite.iso
tmosb --build ultimate-edition-4.3-x86-gamers.iso
tmosb --build ultimate-edition-4.3-x64-gamers.iso
tmosb --build ultimate-edition-4.3-x64.iso
tmosb --build ultimate-edition-4.3-x86.iso
=====
Ξ OPERATING SYSTEM VERSION RELEASE BASE  ARCH  LTS DIST TYPE  DE(s)
=====
Ξ Ultimate Edition 4.4  Utopic Unicorn x86/x64 NO LITE/STANDARD MATE
=====
Default Build command(s):
tmosb --build ultimate-edition-4.4-x86-lite.iso
tmosb --build ultimate-edition-4.4-x64-lite.iso
tmosb --build ultimate-edition-4.4-x86-gamers.iso
tmosb --build ultimate-edition-4.4-x64-gamers.iso
tmosb --build ultimate-edition-4.4-x64.iso
tmosb --build ultimate-edition-4.4-x86.iso
=====
Ξ OPERATING SYSTEM VERSION RELEASE BASE  ARCH  LTS DIST TYPE  DE(s)
=====r =====
Ξ Ultimate Edition 4.5  Utopic Unicorn x86/x64 NO STANDARD  KDE
=====
Default Build command(s):
tmosb --build ultimate-edition-4.5-x86-lite.iso

```

```

tmosb --build ultimate-edition-4.5-x64-lite.iso
tmosb --build ultimate-edition-4.5-x86-gamers.iso
tmosb --build ultimate-edition-4.5-x64-gamers.iso
tmosb --build ultimate-edition-4.5-x64.iso
tmosb --build ultimate-edition-4.5-x86.iso
=====
DE OPERATING SYSTEM VERSION RELEASE BASE  ARCH  LTS DIST TYPE  DE(s)
=====
DE Ubuntu      12.04  Precise Pangolin x86/x64 YES LITE/STANDARD MATE
=====
Default Build command(s):
tmosb --build ubuntu-desktop-12.04-x86.iso
tmosb --build ubuntu-desktop-12.04-x64.iso
=====
DE OPERATING SYSTEM VERSION RELEASE BASE  ARCH  LTS DIST TYPE  DE(s)
=====
DE Ubuntu      12.10  Quantal Quetzal  x86/x64 NO  LITE/STANDARD MATE
=====
Default Build command(s):
tmosb --build ubuntu-desktop-12.10-x86.iso
tmosb --build ubuntu-desktop-12.10-x64.iso
=====
DE OPERATING SYSTEM VERSION RELEASE BASE  ARCH  LTS DIST TYPE  DE(s)
=====
DE Ubuntu      13.04  Raring Ringtail  x86/x64 NO  LITE/STANDARD MATE
=====
Default Build command(s):
tmosb --build ubuntu-desktop-13.04-x86.iso
tmosb --build ubuntu-desktop-13.04-x64.iso
=====
DE OPERATING SYSTEM VERSION RELEASE BASE  ARCH  LTS DIST TYPE  DE(s)
=====
DE Ubuntu      13.10  Saucy Salamander x86/x64 NO  LITE/STANDARD MATE
=====
Default Build command(s):
tmosb --build ubuntu-desktop-13.10-x86.iso
tmosb --build ubuntu-desktop-13.10-x64.iso
=====
DE OPERATING SYSTEM VERSION RELEASE BASE  ARCH  LTS DIST TYPE  DE(s)
=====
DE Ubuntu      14.04  Trusty Tahr      x86/x64 YES LITE/STANDARD MATE
=====
Default Build command(s):
tmosb --build ubuntu-desktop-14.04-x86.iso
tmosb --build ubuntu-desktop-14.04-x64.iso
=====
DE OPERATING SYSTEM VERSION RELEASE BASE  ARCH  LTS DIST TYPE  DE(s)
=====
DE Ubuntu      14.10  Utopic Unicorn   x86/x64 NO  LITE/STANDARD MATE
=====
Default Build command(s):
tmosb --build ubuntu-desktop-14.10-x86.iso
tmosb --build ubuntu-desktop-14.10-x64.iso
TheeMahn O/S Builder (tmosb) 1.8.7, 08/14/2014

```

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 E-mail bug reports to: <[TheeMahn@os-builder.com](mailto:TheeMahn@os-builder.com)>.  
 Be sure to include the word tmosb somewhere in the Subject: field.  
 theemahn@JackHammer:~/Documents/ultimate-edition-os-builder-1.8.7\_all/

## BuildISO

### **-B , --buildiso** [TARGETISO]

Invokes tmosb to build [TARGETISO] from a previous build. The format of the ISO must comply as follows: [TARGETISO] Valid arguments are as follows: Existant folder, is optional. It will otherwise look for information in .disk/info

Example: tmosb --buildiso ultimate-edition-4.2-x64-lite/

Will build Ultimate Edition 4.2 64 bit Lite Operating System in ISO format.

## Wipefolder

### **-W , --wipefolder** [FOLDER]

Will erase specified [FOLDER] ignoring permissions. *Warning: Specifying no folder name will erase all sub-folders in the current folder.* Please use care. tmosb will prompt you of folders to be effected.

## Extract

### **-e , --extract** [ISO]

Extracts specified [ISO]. Specifying no ISO filename will extract all ISO's in current directory; prompting which ISO'S will be extracted.

## Help

### **-h , --help** [COMMAND]

Display help for [COMMAND]

possible commands...

-b	--build	builds Operating System(s)
-B	--buildiso	builds ISO
-C	--clearcache	clears system cache
-c	--cacheinfo	displays various cache information
-e	--extract	extract ISO(s)
-h	--help	this help message
-p	--pull	pulls all source code to current folder
-t	--test	test ISO in virtual machine and exit
-u	--upgrade	distro upgrades existing Operating System(s)
-v	--versiondump	version info and exit

## Pull

### **-p , --pull**

Pulls all source code for customization of the construction of Operating systems.

## Test

### **-t , --test** <ISO>

Invokes a virtual machine to boot [ISO].

Example: tmosb --test ultimate-edition-4.2-x64.iso

## Upgrade

**-u , --upgrade** [ISO] Upgrades existing [ISO(s)]. If no ISO is specified will upgrade all detected operating systems in your currently executed folder.

## Version

### **-v , --version**

*~/gnome2/nautilus-scripts/tmosb*

GUI - yad (yet another dialog) based nautilus script front-end command switchable to tmosb.

*/etc/bash\_completion.d/tmosb*

Bash auto completion command interpreter

*/usr/share/bash\_completion/completions/tmosb*

Bash auto completion command interpreter

*/usr/share/ultimate\_edition/tmosb.pdf*

tmosb manual in pdf format.

*/usr/share/ultimate\_edition/tmosb.ps*

tmosb manual in postscript format.

## SEE ALSO

**gpg(1)**, **rsync(1)**, **ssh(1)**

The full documentation for this tool is maintained as a Tex-info manual. If tmosb and the info program are properly installed at your site, the command

info tmosb

should give you access to the complete manual including a menu structure and an index.

## COPYRIGHT

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## BUGS

GNU tmosb home page: <<http://www.os-builder.com/>>. E-mail bug reports to: <[theemahn@os-builder.com](mailto:theemahn@os-builder.com)>. Be sure to include the word tmosb somewhere in the Subject: field."

## AUTHOR

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