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- ### ############# ###### ## ##### ###### ### # ###### #####, ##(1)

4. ########## &

#####/
########## # #######:

```
% svn co http://svn.freebsd.org/base/user/cperciva/freebsd-update-build freebsd-update-server
```

######## # scripts/build.conf ## ##### ########. ### # ##### ####### ## ######### ##
##########.

build.conf ######, ### ###### ### ########## #### ## ####### ##
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```
# Main configuration file for FreeBSD Update builds.  The
# release-specific configuration data is lower down in
# the scripts tree.

# Location from which to fetch releases
export FTP=ftp://ftp2.freebsd.org/pub/FreeBSD/releases❶

# Host platform
export HOSTPLATFORM=`uname --m`

# Host name to use inside jails
export BUILDHOSTNAME=${HOSTPLATFORM}-builder.daemonology.net❷

# Location of SSH key
export SSHKEY=/root/.ssh/id_dsa❸

# SSH account into which files are uploaded
MASTERACCT=builder@wadham.daemonology.net❹

# Directory into which files are uploaded
MASTERDIR=update-master.freebsd.org❺
```

########### ### ##### ### ############:

❶ #### # # ##### ## #### ##### ###### ## ######### ### ####### ### (#### #### ###### fetchiso() ## scripts/build.subr). # ##### # ### ########### ### # ######## # #### ## ###. ######### ### ######### #### ########## #####(1) #### ### #####.

############## ## ###### ## fetchiso() ##### ### ###### ######## # ###### ###### build.subr #### # ##### ## ### ###### # ########### ########## scripts/RELEASE/ ARCHITECTURE/build.subr # ######### # #######.

❷ # #### ## ########## ### #### # ##########. #### ########## #### ####### ####### # ########### ### ########:

❸ # ##### ### #### ###### ## ######## #### # ######## ## ###########. # ### ## ###### #### ### ###### ######### ssh-keygen -t dsa. #### ######### # ########; # ############# ### ##### #### ##### #### ###### ## ############ ###### # ######## SSHKEY ### ####### ########.

##########(1) ### ########### #### ########## ##### # ### # ## ###### ########### #### ##### # #### ######.

❹ ##### #### ###### ## ######## #### # ######## ## ###########.

❺ ######### ## ######### ## ########### #### # #### ## ######## ##### ########.

build.conf ######, ########### ### # ##### ## #####################, #### ######### #### ######## # ###### #386 ## #######. # ###### ## ####### ##### #### ######## ## ######## ## ########### #### ###### ############, ## ######### ############ ### ########### #### # ########### ###64:

1. #### ## ######## ## ########## #### # ###64:

2. ##### # ####### build.conf #### # ######### ##### ######. ## ############# ## ########## #### # ####### 7.2######### ## ########### ###64 ##### ### ######### #:

```
# SHA256 hash of RELEASE disc1.iso image.
export RELH=1ea1f6f652d7c5f5eab7ef9f8edbed50cb664b08ed761850f95f48e86cc71ef5❶

# Components of the world, source, and kernels
export WORLDPARTS="base catpages dict doc games info manpages proflibs lib32"
export SOURCEPARTS="base bin contrib crypto etc games gnu include krb5 \
        lib libexec release rescue sbin secure share sys tools \
        ubin usbin cddl"
export KERNELPARTS="generic"

# EOL date
export EOL=1275289200❷
```

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❶ # ##### #### ###256(1) ## ###### ########, ### # ######### ## #######
######.

❷ #### ##### # ###### #### ## ##### (### ## ####) #### # build.conf, ########
##
#######. # ##### ## EOL #### ### ######## # ###### ## #### ####### ##
####, ###### # ########## ####(1), ### #######:

> % **date --j --f -'%Y%m%d-%H%M%S' -'20090401-000000' -'+%s'**

5. ########## #

scripts/make.sh. #### ### ######## ###### ########,
##########, # ##### ### ##### ## ########## ### ##### #### #######
###########. ##### #####, ### ##### ###### ### ######### #### ######## # #######
##########.

```
# sh scripts/make.sh
cc --O2 --fno-strict-aliasing --pipe   findstamps.c  --o findstamps
findstamps.c: In function -'usage':
findstamps.c:45: warning: incompatible implicit declaration of built-in function -'exit'
cc --O2 --fno-strict-aliasing --pipe   unstamp.c  --o unstamp
install findstamps -../bin
install unstamp -../bin
rm --f findstamps unstamp
Generating RSA private key, 4096 bit long modulus
...............................................................++
..................++
e is 65537 (0x10001)

Public key fingerprint:
27ef53e48dc869eea6c3136091cc6ab8589f967559824779e855d58a2294de9e

Encrypting signing key for root
enter aes-256-cbc encryption password:
Verifying -- enter aes-256-cbc encryption password:
```

> ####
>
> ##### # ######### ####### (##########) ## ##### ######. ###
> # ########## ## /etc/freebsd-update.conf #### ## ############ ##
> ########.

#####, ### ####### ####### #### # ##### ## ##########.

```
# cd -/usr/local/freebsd-update-server
# sh scripts/init.sh amd64 7.2-RELEASE
```

inicial.

```
# sh scripts/init.sh amd64 7.2-RELEASE
Mon Aug 24 16:04:36 PDT 2009 Starting fetch for FreeBSD/amd64 7.2-RELEASE
/usr/local/freebsd-update-server/work/7.2-RELE100% of 588 MB 359 kBps 00m00s
Mon Aug 24 16:32:38 PDT 2009 Verifying disc1 hash for FreeBSD/amd64 7.2-RELEASE
Mon Aug 24 16:32:44 PDT 2009 Extracting components for FreeBSD/amd64 7.2-RELEASE
Mon Aug 24 16:34:05 PDT 2009 Constructing world+src image for FreeBSD/amd64 7.2-RELEASE
Mon Aug 24 16:35:57 PDT 2009 Extracting world+src for FreeBSD/amd64 7.2-RELEASE
Mon Aug 24 23:36:24 UTC 2009 Building world for FreeBSD/amd64 7.2-RELEASE
Tue Aug 25 00:31:29 UTC 2009 Distributing world for FreeBSD/amd64 7.2-RELEASE
Tue Aug 25 00:32:36 UTC 2009 Building and distributing kernels for FreeBSD/amd64 7.2-RELEASE
Tue Aug 25 00:44:44 UTC 2009 Constructing world components for FreeBSD/amd64 7.2-RELEASE
Tue Aug 25 00:44:56 UTC 2009 Distributing source for FreeBSD/amd64 7.2-RELEASE
Mon Aug 24 17:46:18 PDT 2009 Moving components into staging area for FreeBSD/amd64 7.2-
RELEASE
Mon Aug 24 17:46:33 PDT 2009 Identifying extra documentation for FreeBSD/amd64 7.2-RELEASE
Mon Aug 24 17:47:13 PDT 2009 Extracting extra docs for FreeBSD/amd64 7.2-RELEASE
Mon Aug 24 17:47:18 PDT 2009 Indexing release for FreeBSD/amd64 7.2-RELEASE
Mon Aug 24 17:50:44 PDT 2009 Indexing world0 for FreeBSD/amd64 7.2-RELEASE


Files built but not released:
Files released but not built:
Files which differ by more than contents:
Files which differ between release and build:
kernel|generic|/GENERIC/hptrr.ko
kernel|generic|/GENERIC/kernel
src|sys|/sys/conf/newvers.sh
world|base|/boot/loader
world|base|/boot/pxeboot
world|base|/etc/mail/freebsd.cf
world|base|/etc/mail/freebsd.submit.cf
world|base|/etc/mail/sendmail.cf
world|base|/etc/mail/submit.cf
world|base|/lib/libcrypto.so.5
world|base|/usr/bin/ntpq
world|base|/usr/lib/libalias.a
world|base|/usr/lib/libalias_cuseeme.a
world|base|/usr/lib/libalias_dummy.a
world|base|/usr/lib/libalias_ftp.a
...
```

#######, # ########## ## #### ## ####### #### ##### #########, ### ## #######.
scripts/build.subr.

######## ### ####### ######## ##
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####### # ####### ###########, # ####### ## ####### ####
########, ####(8) #### #########. ## ###### ### #####
########, ##### ## ######### ####### ## #######, ##
##################### ####### ####### ########### ####
########### ## timestamps, ## ##### ### ########### ##
########, ## #### ### ##### ####### ##### ### #########
####
########## ##### ######## ######## ### ###########. ####
####### ### timestamp ######## ########## #### ###########
######### ### 400 #### # ########## ## ##########.#

Mon Aug 24 17:54:07 PDT 2009 Extracting world+src for FreeBSD/amd64 7.2-RELEASE
Wed Sep 29 00:54:34 UTC 2010 Building world for FreeBSD/amd64 7.2-RELEASE
Wed Sep 29 01:49:42 UTC 2010 Distributing world for FreeBSD/amd64 7.2-RELEASE
Wed Sep 29 01:50:50 UTC 2010 Building and distributing kernels for FreeBSD/amd64 7.2-RELEASE
Wed Sep 29 02:02:56 UTC 2010 Constructing world components for FreeBSD/amd64 7.2-RELEASE
Wed Sep 29 02:03:08 UTC 2010 Distributing source for FreeBSD/amd64 7.2-RELEASE
Tue Sep 28 19:04:31 PDT 2010 Moving components into staging area for FreeBSD/amd64 7.2-RELEASE
Mon Aug 24 19:04:46 PDT 2009 Extracting extra docs for FreeBSD/amd64 7.2-RELEASE
Mon Aug 24 19:04:51 PDT 2009 Indexing world1 for FreeBSD/amd64 7.2-RELEASE
Mon Aug 24 19:08:04 PDT 2009 Locating build stamps for FreeBSD/amd64 7.2-RELEASE
Mon Aug 24 19:10:19 PDT 2009 Cleaning staging area for FreeBSD/amd64 7.2-RELEASE
Mon Aug 24 19:10:19 PDT 2009 Preparing to copy files into staging area for FreeBSD/amd64 7.2-RELEASE
Mon Aug 24 19:10:20 PDT 2009 Copying data files into staging area for FreeBSD/amd64 7.2-RELEASE
Mon Aug 24 12:16:57 PDT 2009 Copying metadata files into staging area for FreeBSD/amd64 7.2-RELEASE
Mon Aug 24 12:16:59 PDT 2009 Constructing metadata index and tag for FreeBSD/amd64 7.2-RELEASE

Files found which include build stamps:
kernel|generic|/GENERIC/hptrr.ko
kernel|generic|/GENERIC/kernel
world|base|/boot/loader
world|base|/boot/pxeboot
world|base|/etc/mail/freebsd.cf
world|base|/etc/mail/freebsd.submit.cf
world|base|/etc/mail/sendmail.cf
world|base|/etc/mail/submit.cf
world|base|/lib/libcrypto.so.5
world|base|/usr/bin/ntpq
world|base|/usr/include/osreldate.h

```
world|base|/usr/lib/libalias.a
world|base|/usr/lib/libalias_cuseeme.a
world|base|/usr/lib/libalias_dummy.a
world|base|/usr/lib/libalias_ftp.a
...
```

##########, # ########## #######.

```
Values of build stamps, excluding library archive headers:
v1.2 (Aug 25 2009 00:40:36)
v1.2 (Aug 25 2009 00:38:22)
@(#)FreeBSD 7.2-RELEASE #0: Tue Aug 25 00:38:29 UTC 2009
FreeBSD 7.2-RELEASE #0: Tue Aug 25 00:38:29 UTC 2009
   root@server.myhost.com:/usr/obj/usr/src/sys/GENERIC
7.2-RELEASE
Mon Aug 24 23:55:25 UTC 2009
Mon Aug 24 23:55:25 UTC 2009
##### built by root@server.myhost.com on Tue Aug 25 00:16:15 UTC 2009
##### built by root@server.myhost.com on Tue Aug 25 00:16:15 UTC 2009
##### built by root@server.myhost.com on Tue Aug 25 00:16:15 UTC 2009
##### built by root@server.myhost.com on Tue Aug 25 00:16:15 UTC 2009
Mon Aug 24 23:46:47 UTC 2009
ntpq 4.2.4p5-a Mon Aug 24 23:55:53 UTC 2009 (1)
 * Copyright (c) 1992-2009 The FreeBSD Project.
Mon Aug 24 23:46:47 UTC 2009
Mon Aug 24 23:55:40 UTC 2009
Aug 25 2009
ntpd 4.2.4p5-a Mon Aug 24 23:55:52 UTC 2009 (1)
ntpdate 4.2.4p5-a Mon Aug 24 23:55:53 UTC 2009 (1)
ntpdc 4.2.4p5-a Mon Aug 24 23:55:53 UTC 2009 (1)
Tue Aug 25 00:21:21 UTC 2009
Tue Aug 25 00:21:21 UTC 2009
Tue Aug 25 00:21:21 UTC 2009
Mon Aug 24 23:46:47 UTC 2009

FreeBSD/amd64 7.2-RELEASE initialization build complete.  Please
review the list of build stamps printed above to confirm that
they look sensible, then run
# sh --e approve.sh amd64 7.2-RELEASE
to sign the release.
```

#######, ###### # ##########. ####### ########### #####
########## ## # ######## ######### ### ####### ##### ### ########### ## #######
####### USAGE, ########### ### # ###### #####. ####### # scripts/approve.sh. #### ###
####### # ######, # ##### ## #### ########### #### ### #### ## ####### ########
############.

```
# cd -/usr/local/freebsd-update-server
# sh scripts/mountkey.sh
```

```
# sh --e scripts/approve.sh amd64 7.2-RELEASE
```

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######## ### ####### ######## ##
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Wed Aug 26 12:50:06 PDT 2009 Signing build for FreeBSD/amd64 7.2-RELEASE
Wed Aug 26 12:50:06 PDT 2009 Copying files to patch source directories for FreeBSD/amd64 7.2-
RELEASE
Wed Aug 26 12:50:06 PDT 2009 Copying files to upload staging area for FreeBSD/amd64 7.2-
RELEASE
Wed Aug 26 12:50:07 PDT 2009 Updating databases for FreeBSD/amd64 7.2-RELEASE
Wed Aug 26 12:50:07 PDT 2009 Cleaning staging area for FreeBSD/amd64 7.2-RELEASE

##########, # ########
############# #### ### ########.

```
# cd -/usr/local/freebsd-update-server
# sh scripts/upload.sh amd64 7.2-RELEASE
```


###########
######### #### # ######## ## #############, #### ###### ###
############
#######
uploaded.

```
# cd -/usr/local/freebsd-update-server/pub/7.2-RELEASE/amd64
# touch --t 200801010101.01 uploaded
```

##
############ ##### ############. # ##### ############ ######### ## ########
#########. #### # ######## ### ######, ### #####, ######## #
############ ## ######## ###### ## ########.

######## # KeyPrint # # ServerName ## ####### /etc/freebsd-update.conf, # ###### ##
############ ## ###### ### ## ############# ######### ## ##### ########### ##
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7.2########, #### ########## ### #### ####### # #########

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> ## ######## ## ##### ## ####### #### # ### ######## ##
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##########, ##### ## ####### ## ### ######## ## ######## ## init.sh .

6. ########## ##

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#######, # ###### 7.1######### #### #####.

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- #### # ########## ####### ## 7.1########

/usr/local/freebsd-update-server/ patches/.

```
% mkdir --p -/usr/local/freebsd-update-server/patches/7.1-RELEASE/
% cd -/usr/local/freebsd-update-server/patches/7.1-RELEASE
```

#######, ##### # ##### #### # #####(8). #### # #####, ####### # ####### ########## ## ##### ## ######### ## #######. #### ########### ##### #### ########### ## ######, ##### ### ########### ## ######## ## #######.

#########, #### ##### # ####### ## SA-09:12.bind. ###### ## ##### # ######## ## #######, # ########## ########## #### # ##### ####### ## #####. # ########### ###### ########### ### ## ###### ######## ## ##### ## #######, ### # #### #### ### ######### ##########. #### #### ##########, ##### ###### # ####### ##### ## ####### # ######## ## p7. ######## # #######:

```
% cd -/usr/local/freebsd-update-server/patches/7.1-RELEASE/; mv bind.patch 7-SA-09:12.bind
```

> ####
>
> ## ######## ### ########## ## ##### ## #####, # ######## ###
> ## ####### ########## ####### ## ##### #####. ###### ###
> ########## ## ##### # #########, ### ### ####### ##### ##
> ####### ######## ## ######### ## #####.

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######### # ############# ## #### #####.

#####, ## *diff* #### ###### #### ### ##########. # ######## ########
######### ## # scripts/init.sh ### ######### ## ########## ###### ##### ## ######## #
########## ## ####.

```
# cd -/usr/local/freebsd-update-server
# sh scripts/diff.sh amd64 7.1-RELEASE 7
```

diferencial.

```
# sh --e scripts/diff.sh amd64 7.1-RELEASE 7
Wed Aug 26 10:09:59 PDT 2009 Extracting world+src for FreeBSD/amd64 7.1-RELEASE-p7
Wed Aug 26 17:10:25 UTC 2009 Building world for FreeBSD/amd64 7.1-RELEASE-p7
Wed Aug 26 18:05:11 UTC 2009 Distributing world for FreeBSD/amd64 7.1-RELEASE-p7
Wed Aug 26 18:06:16 UTC 2009 Building and distributing kernels for FreeBSD/amd64 7.1-RELEASE-
p7
Wed Aug 26 18:17:50 UTC 2009 Constructing world components for FreeBSD/amd64 7.1-RELEASE-
p7
Wed Aug 26 18:18:02 UTC 2009 Distributing source for FreeBSD/amd64 7.1-RELEASE-p7
Wed Aug 26 11:19:23 PDT 2009 Moving components into staging area for FreeBSD/amd64 7.1-
RELEASE-p7
Wed Aug 26 11:19:37 PDT 2009 Extracting extra docs for FreeBSD/amd64 7.1-RELEASE-p7
Wed Aug 26 11:19:42 PDT 2009 Indexing world0 for FreeBSD/amd64 7.1-RELEASE-p7
Wed Aug 26 11:23:02 PDT 2009 Extracting world+src for FreeBSD/amd64 7.1-RELEASE-p7
Thu Sep 30 18:23:29 UTC 2010 Building world for FreeBSD/amd64 7.1-RELEASE-p7
Thu Sep 30 19:18:15 UTC 2010 Distributing world for FreeBSD/amd64 7.1-RELEASE-p7
Thu Sep 30 19:19:18 UTC 2010 Building and distributing kernels for FreeBSD/amd64 7.1-RELEASE-
p7
Thu Sep 30 19:30:52 UTC 2010 Constructing world components for FreeBSD/amd64 7.1-RELEASE-p7
Thu Sep 30 19:31:03 UTC 2010 Distributing source for FreeBSD/amd64 7.1-RELEASE-p7
Thu Sep 30 12:32:25 PDT 2010 Moving components into staging area for FreeBSD/amd64 7.1-
RELEASE-p7
Wed Aug 26 12:32:39 PDT 2009 Extracting extra docs for FreeBSD/amd64 7.1-RELEASE-p7
Wed Aug 26 12:32:43 PDT 2009 Indexing world1 for FreeBSD/amd64 7.1-RELEASE-p7
Wed Aug 26 12:35:54 PDT 2009 Locating build stamps for FreeBSD/amd64 7.1-RELEASE-p7
Wed Aug 26 12:36:58 PDT 2009 Reverting changes due to build stamps for FreeBSD/amd64 7.1-
RELEASE-p7
Wed Aug 26 12:37:14 PDT 2009 Cleaning staging area for FreeBSD/amd64 7.1-RELEASE-p7
```

Wed Aug 26 12:37:14 PDT 2009 Preparing to copy files into staging area for FreeBSD/amd64 7.1-RELEASE-p7
Wed Aug 26 12:37:15 PDT 2009 Copying data files into staging area for FreeBSD/amd64 7.1-RELEASE-p7
Wed Aug 26 12:43:23 PDT 2009 Copying metadata files into staging area for FreeBSD/amd64 7.1-RELEASE-p7
Wed Aug 26 12:43:25 PDT 2009 Constructing metadata index and tag for FreeBSD/amd64 7.1-RELEASE-p7
...
Files found which include build stamps:
kernel|generic|/GENERIC/hptrr.ko
kernel|generic|/GENERIC/kernel
world|base|/boot/loader
world|base|/boot/pxeboot
world|base|/etc/mail/freebsd.cf
world|base|/etc/mail/freebsd.submit.cf
world|base|/etc/mail/sendmail.cf
world|base|/etc/mail/submit.cf
world|base|/lib/libcrypto.so.5
world|base|/usr/bin/ntpq
world|base|/usr/include/osreldate.h
world|base|/usr/lib/libalias.a
world|base|/usr/lib/libalias_cuseeme.a
world|base|/usr/lib/libalias_dummy.a
world|base|/usr/lib/libalias_ftp.a
...
Values of build stamps, excluding library archive headers:
v1.2 (Aug 26 2009 18:13:46)
v1.2 (Aug 26 2009 18:11:44)
@(#)FreeBSD 7.1-RELEASE-p7 #0: Wed Aug 26 18:11:50 UTC 2009
FreeBSD 7.1-RELEASE-p7 #0: Wed Aug 26 18:11:50 UTC 2009
   root@server.myhost.com:/usr/obj/usr/src/sys/GENERIC
7.1-RELEASE-p7
Wed Aug 26 17:29:15 UTC 2009
Wed Aug 26 17:29:15 UTC 2009
built by root@server.myhost.com on Wed Aug 26 17:49:58 UTC 2009
built by root@server.myhost.com on Wed Aug 26 17:49:58 UTC 2009
built by root@server.myhost.com on Wed Aug 26 17:49:58 UTC 2009
built by root@server.myhost.com on Wed Aug 26 17:49:58 UTC 2009
Wed Aug 26 17:20:39 UTC 2009
ntpq 4.2.4p5-a Wed Aug 26 17:29:42 UTC 2009 (1)
 * Copyright (c) 1992-2009 The FreeBSD Project.
Wed Aug 26 17:20:39 UTC 2009
Wed Aug 26 17:29:30 UTC 2009
Aug 26 2009
ntpd 4.2.4p5-a Wed Aug 26 17:29:41 UTC 2009 (1)
ntpdate 4.2.4p5-a Wed Aug 26 17:29:42 UTC 2009 (1)
ntpdc 4.2.4p5-a Wed Aug 26 17:29:42 UTC 2009 (1)
Wed Aug 26 17:55:02 UTC 2009
Wed Aug 26 17:55:02 UTC 2009
Wed Aug 26 17:55:02 UTC 2009
Wed Aug 26 17:20:39 UTC 2009
...

######## ### ####### ######## ##
########### ## #######

########, # ### ######### # ###########.

```
New updates:
kernel|generic|/GENERIC/kernel.symbols|f|0|0|0555|0|
7c8dc176763f96ced0a57fc04e7c1b8d793f27e006dd13e0b499e1474ac47e10|
kernel|generic|/GENERIC/kernel|f|0|0|0555|0|
33197e8cf15bbbac263d17f39c153c9d489348c2c534f7ca1120a1183dec67b1|
kernel|generic|/|d|0|0|0755|0||
src|base|/|d|0|0|0755|0||
src|bin|/|d|0|0|0755|0||
src|cddl|/|d|0|0|0755|0||
src|contrib|/contrib/bind9/bin/named/update.c|f|0|10000|0644|0|
4d434abf0983df9bc47435670d307fa882ef4b348ed8ca90928d250f42ea0757|
src|contrib|/contrib/bind9/lib/dns/opensldsa_link.c|f|0|10000|0644|0|
c6805c39f3da2a06dd3f163f26c314a4692d4cd9a2d929c0acc88d736324f550|
src|contrib|/contrib/bind9/lib/dns/opensslrsa_link.c|f|0|10000|0644|0|
fa0f7417ee9da42cc8d0fd96ad24e7a34125e05b5ae075bd6e3238f1c022a712|
...
FreeBSD/amd64 7.1-RELEASE update build complete.  Please review
the list of build stamps printed above and the list of updated
files to confirm that they look sensible, then run
# sh --e approve.sh amd64 7.1-RELEASE
to sign the build.
```

##########:

```
# sh --e scripts/approve.sh amd64 7.1-RELEASE
Wed Aug 26 12:50:06 PDT 2009 Signing build for FreeBSD/amd64 7.1-RELEASE
Wed Aug 26 12:50:06 PDT 2009 Copying files to patch source directories for FreeBSD/amd64 7.1-
RELEASE
Wed Aug 26 12:50:06 PDT 2009 Copying files to upload staging area for FreeBSD/amd64 7.1-
RELEASE
Wed Aug 26 12:50:07 PDT 2009 Updating databases for FreeBSD/amd64 7.1-RELEASE
Wed Aug 26 12:50:07 PDT 2009 Cleaning staging area for FreeBSD/amd64 7.1-RELEASE

The FreeBSD/amd64 7.1-RELEASE update build has been signed and is
ready to be uploaded.  Remember to run
# sh --e umountkey.sh
to unmount the decrypted key once you have finished signing all
the new builds.
```

##########, #### # ############# ## ######## #### #
#############:

```
# cd -/usr/local/freebsd-update-server
# sh scripts/upload.sh amd64 7.1-RELEASE
```

##########, ##### # ### ## ### ######## ######## ## diff.sh.

7.

- ## ### ###### ############## ##### #### ######### ###### # ############ ###### ## make release, # ###### ## ##################### ### ######### # ###### ## ### ######. ### #######, ### ###### ### # ##### ## ### # ############ #### ### ######### ########### ## ############### ########### ## ########### ## ############ findextradocs(), addextradocs() # ######### # ##### ## ######## ## fetchiso(), ################, ## scripts/build.subr. ## ## ###### #####, #### # #### ###256(1) ## build.conf ## ### ########## ###### # ########### # ##### #### #### ###### #### ######## ### ###### ##############.

```
# Compare ${WORKDIR}/release and ${WORKDIR}/$1, identify which parts
# of the world|doc subcomponent are missing from the latter, and
# build a tarball out of them.
findextradocs () {
}

# Add extra docs to ${WORKDIR}/$1
addextradocs () {
}
```

- ########### # ##### -j *NÚMERO* ### ###### buildworld # obj ## ###### scripts/build.subr #### ######### # ######## ########## ## ######## #####, ########## #### ### # ##########. #### #### ##### ## ###### ###### ### # ###########, #### #### ##### # ########## ##### ########.

```
#Build the world
log -"Building world"
cd -/usr/src &&
make --j 2 ${COMPATFLAGS} buildworld 2>&1

# Distribute the world
log -"Distributing world"
cd -/usr/src/release &&
make --j 2 obj &&
  make ${COMPATFLAGS} release.1 release.2 2>&1
```

- #### ### ####### ### ########## ## ### #### # ######## ## ###########, # ####### ###### ########## ### ##### ########. #### #### ####### ### ######## ### #### ######### # ##### ## ######## ## ########### ##### ###### ##########, ########## #### #### ### #### ########## # ##### ### #### ###### ###### ## ####### ##########.

```
 -
_http._tcp.update.myserver.com.          IN SRV   0 2 80  host1.myserver.com.
      SRV   0 1 80   host2.myserver.com.
      SRV   0 0 80   host3.myserver.com.
```