

Inventory:

uboot_nopwdchk.tgz – U-Boot image without password protection.

ubootpwd.tgz – Tarball with the U-Boot image and commands.

To change the password, invoke mts-ubpasswd. The C++ program /sbin/mts-hashpwd is used by the mts-ubpasswd script to determine the password (if not specified), and its hash.

Install tarball first (assuming it is in the root directory):

```
tar -C/ -xzf /home/root/ubootpwd.tgz
```

Try to change passwords

```
root@mtcdt:/# mts-ubpasswd
U-Boot does not support password protection.
```

This means that the u-boot that supports password protection is not installed, and the command has bailed out.

To install u-boot, you need to reboot:

This will be in the log:

```
Unmounting local filesystems...
Flashing /dev/mtd2 (u-boot) with /var/volatile/flash-upgrade/u-boot.bin...
Erasing 128 Kibyte @ 0 -- 0 % complete
Erasing 128 Kibyte @ 20000 -- 25 % complete
Erasing 128 Kibyte @ 40000 -- 50 % complete
Erasing 128 Kibyte @ 60000 -- 75 % complete
Erasing 128 Kibyte @ 60000 -- 100 % complete
```

Now you can set the password:

```
root@mtcdt:~# mts-ubpasswd -h

ubpasswd [-u] [-d] [-s salt] [password]

-u          means u-boot only (not UNIX password)
-s          salt is user supplied salt (optional)
-d          debug

password   is a user supplied password
```

A salt not supplied is generated.

If a password is not supplied, it is generated

```
root@mtcdt:~# mts-ubpasswd JAK12345
salt:
```

```
CuaDt4WnkyuD8DQ14/16+PhW7WP0d27GnJ0wrkPPpHyo+n3ORPnoTfH96oZ5brWBPgiHv+ns/8WfcwVTt7U
JoK+g7qHmSogAAviiDWMwoidPXo9wEOzetH5m6CzENoMs
uboot password hash:
"e82a5e7f8ed61addc71a4988c19f058ab8bef48216194c37fb67f09b6874a269"
setting root password to JAK12345
u-boot password is JAK12345
+ /usr/bin/u-boot setenv mtss
CuaDt4WnkyuD8DQ14/16+PhW7WP0d27GnJ0wrkPPpHyo+n3ORPnoTfH96oZ5brWBPgiHv+ns/8WfcwVTt7U
JoK+g7qHmSogAAviiDWMwoidPXo9wEOzetH5m6CzENoMs
+ /usr/bin/u-boot setenv mtsp
e82a5e7f8ed61addc71a4988c19f058ab8bef48216194c37fb67f09b6874a269
```

To use u-boot and the password:

```
Net:   macb0
```

```
Hit any key to stop autoboot:
```

```
Enter password : *****
```

```
U-Boot> boot
```

To set a password based on device-id and MAC address:

```
root@mtcdt:~# mts-ubpasswd
```

```
salt:
```

```
wVr1x9RPIiY90MuVuJkZ+3mSyT9mpatgP70RVJRrUsIGeUfOcCIoPzzhdZ/PGCagVrbaSOpEhjcjTgPLAja
HXFJjDwYxrLlqRrCyHxBD/m52wPXVqnEc5K5A+Cxra/8t
```

```
uboot password hash:
```

```
"fc56d1a11821a777e043551a46f70ff7c7bb71ba7b9f769b53a14be1520196a9"
```

```
setting root password to 7vQO3L1g
```

```
u-boot password is 7vQO3L1g
```

```
+ /usr/bin/u-boot setenv mtss
```

```
wVr1x9RPIiY90MuVuJkZ+3mSyT9mpatgP70RVJRrUsIGeUfOcCIoPzzhdZ/PGCagVrbaSOpEhjcjTgPLAja
HXFJjDwYxrLlqRrCyHxBD/m52wPXVqnEc5K5A+Cxra/8t
```

```
+ /usr/bin/u-boot setenv mtsp
```

```
fc56d1a11821a777e043551a46f70ff7c7bb71ba7b9f769b53a14be1520196a9
```

```
root@mtcdt:~#
```