

Section:	Internals/Security
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Although the data provided by OMNI are probably not of critical interest, various reasons motivate the use of security options:

- some configuration may contain password for the ftp server or for the Osiris interface
- since OMNI is highly scalable, it may manage stations belonging to independent networks, the security options allows to clearly separate stations
- in some situations, it may be useful to identify an administrator responsible for the configuration while regular users should access all the function that are not critical (i.e. The supervisor and data center)
- sfd

To enable the security option, the administrator must login on the OMNI PC using ssh or telnet depending on the hardware implementation. Login as user 'omni'. The default password for user 'omni' is 'omni'.

First the username of the administrator must be defined, let's suppose that this username is 'administrator'. The file `/home/omni/networks/admin` must contain this username. The following command does the job:

```
[omni-pc]$ echo administrator > /home/omni/networks/admin
```

Then define a password and run the following command on a computer where the program 'htpasswd' is available (most standard Linux distribution provide it).

```
[regular-pc]$ htpasswd -n administrator
```

Enter the password twice.

Then append the line answered by htpasswd to the file `/home/omni/password` on the OMNI PC:

```
[omni-pc]$ echo administrator:16co/I65QQ7CI >> /home/omni/password
```

The administrator is defined.

Then regular users must be added. The operation require the password to be defined and the station list to be created.

The password is defined using htpasswd:

```
[regular-pc]$ htpasswd -n username
```

then the line is added to `/home/omni/password`:

```
[omni-pc]$ echo username:..... >> /home/omni/password
```

For each user, a file named by the username must exists in the directory `/home/omni/networks`. The file simply contains the list of all the stations that the user can see. If the file does not exist, then the user will be able to see all the station, but the configurator will not be usable.