



Autostart

Raspberry Pi Autostart: Start the Program automatically

Again and again, it happens that you install Programs, but do not start them automatically when booting. In order to use the Raspberry Pi autostart, all you need to do is to store the information in the `/etc/rc.local` file in the Linux system.

This is, for example, the case with DNS service `noip2`. In the following I show how to start a program automatically without much effort, using `noip2` as an example.

Raspberry Pi Autostart Script

First of all, a Script has to be created in the Directory `/etc/init.d/` which starts the Program, so we create a Script (it must not necessarily have a file extension)

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Shell

```
1  #! /bin/sh
2  ### BEGIN INIT INFO
3  # Provides: noip
4  # Required-Start: $syslog
5  # Required-Stop: $syslog
6  # Default-Start: 2 3 4 5
7  # Default-Stop: 0 1 6
8  # Short-Description: noip server
9  # Description:
10 ### END INIT INFO
11
12 case "$1" in
13     start)
14         echo "noip is starting"
15         # Starting Programm
16         /usr/local/bin/noip2
17         ;;
18     stop)
19         echo "noip is ending"
20         # Ending Programm
21         killall noip2
22         ;;
23     *)
24         echo "Use: /etc/init.d/noip {start|stop}"
25         exit 1
26         ;;
27 esac
28
29 exit 0
```

Instead of noip2, of course, there can be any other Program installed, but be careful that no user interaction is waited (as the confirmation in apt-get), as if it comes to the worst case scenario, it will be waiting for the input at boot time and the Pi will not start.

Next, assign the required rights (Read & Write)

```
sudo chmod 755 /etc/init.d/NameOfTheScript
```

and test the script by starting it

```
sudo /etc/init.d/NameOfTheScript start
```

and stop right away:

```
sudo /etc/init.d/NameOfTheScript stop
```

So that the script is also accessed when booting, we do the following:

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```
sudo update-rc.d -f NameOfTheScript remove
```

If you want to know more about the topic, you can do it [here](#).

Raspberry Pi Autostart – more options

Another option to start a Script or Program is “Cron”. This makes it possible to start a command (which may be a call to a Program or similar) at a specific time. The time may either be set to e.g. the same time of the day or after the system is booted. Cron offers many customization options, which can be viewed [here](#).



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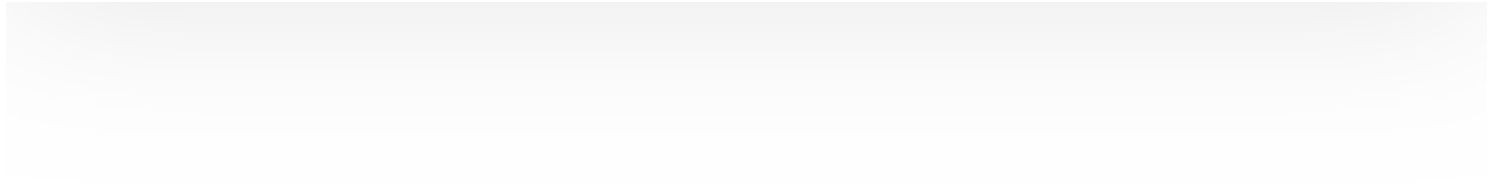
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