

proximity monitor. is a JSON-formatted file containing configuration information for the proximity monitoring daemon. C- and C++-style comments are allowed within the file.

The top-level of this file is a dictionary, with the keys indicating various configuration data. Five of these keys are optional dictionaries with device name-address information for various monitoring schemes. These dictionaries are named: (for ARP-based monitoring; see also which may optionally supplement this configuration file), and Device names may be reused between different device types. An optional key contains another 5 optional dictionaries, named as above but containing monitoring configuration parameters: Interval, in seconds, between polls for a device that is present. Time between polls when the device is away. Time between polls when device was recently present, but has not responded. Minimum number of missed polls before deciding device has departed. Minimum time, in seconds, before deciding a device has departed. A required dictionary defines a list of people whose presence is monitored, and details of their monitoring: A mandatory array listing list devices identifying the person. If there are multiple device types with the same name, all are considered identifiers. Optional arrays of commands to run when arrives (departs), substituting the text with the person's name prior to execution. These commands are first invoked shortly after startup, once the user's presence has been assessed. Finally, an optional dictionary defines actions applied to departures and arrivals. Its members are all optional: See for above. This array contains commands executed once after has assessed everybody's presence, substituting in each command with a list of users present. These commands executed on either departure or arrival; substitution applies. If nobody is present, the substitution will provide an empty list. The commands are first run shortly after startup, once presence has been assessed for all people. These arrays contains commands executed when transitioning from (to) 0 people present. The substitution applies. One set of commands is first performed shortly after startup, once everybody's presence has been assessed. Commands executed when everyone is present. The substitution applies. Commands executed when someone leaves after everyone having been present. The string is replaced by the empty list.

```
{
  "bluetooth": {
    "mobile-crapbox-6": "ac:ee:9e:d8:6b:00",
    "enchantoshackle-2": "64:c2:de:c5:39:ff",
  },
  "ethers": {
    "enchantoshackle-2": "0:25:0:4b:14:89",
    "luggable-3270": "0:1e:c2:16:78:f5",
  },
  "people": {
    "curly-joe": {
      "devices": ["mobile-crapbox-6", "luggable-3270"],
      "onArrival": ["spd-say \'Curly-Joe has left the building.\'"],
    },
    "shemp": {
      "devices": ["enchantoshackle-2"]
    }
  },
  "actions": {
    "onArrival": [
      "piano -U proximity -P proxpass autotune consider ${person}"
    ],
    "onDeparture": [
      "piano -U proximity -P proxpass autotune disregard ${person}"
    ],
    "onPresenceChange": [
      "date >> inoutlog",
      "echo \'Who is home: \' ${peoplepresent} >> inoutlog"
    ]
  },
  "config": {
    "bluetooth": {
      "pollInterval": 300
    }
  }
}
```

Perette Barella <perette@deviousfish.com>