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Features common to all processes

All Supervisor processes should have the following features:

Note: the new versions of **AOApp** and **Logger** will provide standard tools to implement them.

- Accept the **-h** switch (and provide help)

- Accept the **-i** *identity* switch to select the identity. Identity is a string which is used to compose the MsgD name of the process (together with either **-s** or **-m**, see below). The MsgD name is then used to select the config file and to determine the log file name. When the switch is not provided the process will use a default identity.

- Accept the **-s** *spec* switch to select an identity specification. It is a generic string. It is used to specify both the process name into MsgD and variable names into RTDB. E.g.: many processes of the FLAO Supervisor will be launched with either **-i L** or with **-i R** to manage the left or the right AO subsystem. When specification is not provided the process should either exit with error, or proceed with no specification, depending on the more sensible behaviour.

  Identity and Specification are used to compose the MsgD process name as: <identity>.<spec>

  E.g.: if the process *process* is launched as follows:

  ```
  process -i AOARB -s L
  ```

  it will have the name: **AOARB.L**.

- Optionally accept the **-m** switch. The switch will allow multiple versions of the process to attach to the MsgD, i.e.: if another MsgD client with the same name is already running, the process will automatically change its name to be able to connect.

  E.g.: if the process *process* is launched as follows:

  ```
  process -i AOGUI -m
  ```

  it will try to connect with the name **AOGUI.00**, then **AOGUI.01** until an availabe name is found.

- Accept the **-l** *logdir* switch to select the name of a directory where logfiles are stored. If the logdir is not specified the variable `ADOPT_LOG` is used as directory path. If the variable is not defined the log directory defaults to **/tmp**.

- Accept the **-c** *confdir* switch to select the name of a directory where configuration files are stored. If the confdir is not specified it defaults to `$ADOPT_ROOT/conf`

- At the beginning each process must call **SetVersion(VERSMAJ,VERSMIN)** (the version numbers must be properly updated when modifyng the code)

Selection of config file and log file names.

Each running process may have a configuration file and a log file associated. Their names are generated fron the Msgd Name as follows:

- Configuration file:

```
<confdir>/<MsgD Name>.conf
```

where `confdir` is the directory path specified with switch **-c**.

- Log file:

```
<logdir>/<MsgD Name>.log
```

where `logdir` is the directory path specified with switch **-l**.

- Telemetry file:

```
<logdir>/<MsgD Name>.tel
```

where `logdir` is the directory path specified with switch **-l**.

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