

Overview of Nanny

nanny ensures that all jobs needed for the successful function of Xpand are running.

- The nanny process is launched automatically by the system init process.
- The set of jobs to be run by nanny is initially configured via `/opt/clustrix/etc/nanny.conf`
- All jobs for which nanny is responsible are designed to run indefinitely.
- If any of nanny's monitored jobs stop for any reason, nanny will immediately attempt to restart it.
- nanny allows stopping and starting of the jobs it controls via the [clx utility](#) or the nanny port (2424) .

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Jobs Controlled by nanny

The following jobs are kept running by nanny:

Job Name	Description
krobix	Main Xpand process. <ul style="list-style-type: none">• Located at <code>/opt/clustrix/bin/clxnode</code>• Logs to <code>/data/clustrix/log/clustrix.log</code> (location configurable) Activates: <ul style="list-style-type: none">• control port (2048)• mysql port (3306)• health mon port (3581)
statd	Xpand Statistics Collection Script: Regularly collects and aggregates statistics for the UI or other management interfaces. See Monitoring Your Cluster Using statd . Actively run on one node in the cluster and other nodes are on standby in the event that node fails.
alerter	Monitors cluster and sends email per configuration. See Database Alerts . Active on all nodes.
clxdbi	Interface required by the Xpand Graphical User Interface (clxgui).
clxgui	Xpand Administration UI . Facilitates web-based cluster management.

nanny Commands

To run the nanny command of the clx utility, use the following syntax. The `clx` utility is located at `/opt/clustrix/bin`

```
shell> clx [options] nanny nanny_command [job_name]
```

This is a list of all the nanny commands available.

nanny_command	Description
add_job	Add a new job.
change_job	Change an existing job.
del_job	Delete a configured job.
help	List available commands.
show_job	Display information about a specific job.

show_jobs	List all configured jobs and their status.
start_job	Start a stopped job.
stop_job	Stop a running job.
version	Display the node version.