

# Agent reference

## Heartbeat payload (HAProxy-relevant)

The agent sends JSON including:

- `ip` — declared/probed IPv4
- `hostname`
- `haproxy` block — monitored, active, topology, listeners, optional `show stat` summary

ServerCTL validates IP against enrollment and stores the latest row per node.

## CLI essentials

```
sudo balctl_heartbeat.py --version
sudo balctl_heartbeat.py --provision-haproxy # local install
sudo balctl_heartbeat.py --update # from configured agent.zip URL
sudo journalctl -u balctl-heartbeat.service -f
```

## Job loop

1. `POST /api/agents/heartbeat`
2. Server returns pending jobs
3. Agent executes, posts `POST /api/agents/jobs/complete`

Full agent docs: `agents/README.md` in the repo.

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