

# XI. Logs

## What are logs?

- A twelve-factor app **never concerns itself** with routing or storage of its output stream; it should not attempt to write to or manage log files.
- Instead, each running process should write its **event stream, unbuffered**, to **stdout**.

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- During local development, the developer will view this stream in the foreground of their terminal to observe the app's behavior.
- In staging or production deploys, each process' stream will be captured by the **execution environment**, collated together with all other streams from the app, and routed to one or more final destinations for viewing and long-term archival.