



Logging FastX

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FastX has logs for both the web server and running sessions. They are located in different locations. This article aims to document the locations of the log files and offer tips to change the log locations.

Web Server Logs

Systemd

On systemd systems (RHEL 7 etc and later) logs are stored in the system journal

```
journalctl -u fastx.service
```

Init.d

Older systems store logs in `/var/log/fastx3`

Running From the Command Line

When the web server is not run as a service, the web server is logged to the console

Viewing Logs

FastX has a few shortcuts for viewing logs.

If you are not sure if you run systemd, or init.d the web-log tool will try both

```
/usr/lib/fastx/3/tools/web-log
```

Administrators can also view logs from the Web Server
System > Tools > System Log

Debugging

FastX has extensive debugging options that will log data to the web log. You can enable debugging options in System > Local System > Debug

Web Client Logs

Edit the url by appending parameters in separated by a semicolon ; to enable debugging

For example

```
https://server.example.com/client/connect?id=2fba2934538346aa58df6374585b6e06;debug=send
```

Web Client Debug Options

debug=send

log all protocol messages from the client to the server

debug=receive

log all protocol messages from the server to the client

debug=1

log all protocol messages (from both client and server)

wasm=0

disable WebAssembly. This will cause all image decompression to be done in pure javascript (which is slow)

Session Logs

By default, FastX stores session logs in the user's \$HOME directory

```
$HOME/.fastx_server/${hostname}/FX3-${sessionId}/
```

The log location can be changed in the [FastX.conf file](#)

app_error

stderr output of the command when the session was started

app_output

stdout output of the command when the session was started

server_log

output of the Xorg server

xorg.log

detailed output of Xorg

monitor_output

logs of communication with the FastX web server

Viewing Logs

The `/v3/api/session/log` API call will return any logs of the session that has data

Debugging

Sessions have debugging capabilities that can be enabled in the session profile System > Sessions > Profiles > Debug

Database

Logs for the database are stored by default in

```
/usr/lib/fastx/var/local/db/couchdb.log
```

The database log location and log level is set in

```
/usr/lib/fastx/var/local/db/couchdb.ini
```

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