

# Testing and Troubleshooting

Moonshot has a number of 'moving parts'. This section provides links to both a Troubleshooting FAQ as well as a script (*under development*) to help you test your installation before you go live.

## Common Failures

- A troubleshooting FAQ

## Moonshot Deployment Readiness Script

- How to automate the testing of your Moonshot deployment

## Step-by-step troubleshooting guides

- [Troubleshooting local GSSAPI connections](#)
- [Troubleshooting a local Moonshot service](#)
- [Troubleshooting a Moonshot RP Proxy](#)
- [Troubleshooting SELinux](#)
- [Troubleshooting Trust Router connections](#)

## Test service

The primary use case for Moonshot has been federated non-web authentication and authorisation.

The easiest way to test this is with SSH (either [OpenSSH](#) or [PuTTY](#)). Jisc has a public SSH service that is registered on the Assent network.

To access it, use these details:

Hostname: `ssh.test.moonshot.ja.net`

Username: `moonshot`

The only command available is 'exit' to terminate the connection.

A successful connection will yield the following banner:

### Successful connection

```
*** JISC Moonshot Test SSH Server ***
You have successfully logged in with Moonshot.
You are user: moonshot
```

### Sample OpenSSH command-line

```
ssh -Kv4 moonshot@ssh.test.moonshot.ja.net
```

## Raising issues

- For general problems, please join the [MOONSHOT-COMMUNITY@JISCMAIL.AC.UK](mailto:MOONSHOT-COMMUNITY@JISCMAIL.AC.UK) mailing list and describe your problem.
- For development issues, please join the [MOONSHOT-DEV@JISCMAIL.AC.UK](mailto:MOONSHOT-DEV@JISCMAIL.AC.UK) mailing list.
- If you know the problem is a bug, please raise the bug at [Ubuntu Launchpad](#).

## Moonshot Migration Guide for Janet and GÉANT pilot users

- How to migrate your existing pre-v1.4 trust router infrastructure to v1.4