

The following are the key goals, try to achieve as many as you can:

1. You have a server set up to run your application "in production", meaning it is available for general use.

2. A web server will be needed.

3. You should use git version control to manage your source code and other assets. ✓

4. As much as you can manage, the deployment of the application should be automated (i.e., a program or script does the work).

4.1 Deployment should fetch the application from version control,

4.2 configure it, and start it up.

4.3 Deployment is controlled from one of the development machines.

5. The application should restart automatically if the server restarts - you are aiming for maximum availability without human intervention.

6. The application will store its data in a database,

6.1 which should be backed up on another server on a regular basis.

7. It should be possible to restore the application to the state of one of the backed up databases.

8. The back up should occur frequently to ensure that in the event of the loss of the production server (e.g., everything wiped), then as little data is lost as possible. The actual data loss will depend on when the last backup took place, and you need to balance backing up with storage space.

8.1 Also how do you backup the database when the application is running, as data might not be in a consistent state at the moment of the backup? This means that backup may not be as simple as copying the database, maybe you need to read and transfer data to another database on another machine?