

# Perl Version

## Backend Developer with DevOps Technical Test

Please create a Vagrant box based on a standard Ubuntu 14.04 distribution (<https://atlas.hashicorp.com/ubuntu>). Provision the box with the DevOps tool of your choice and do the following:

- Install Nginx, MySQL and required Software for the app described below
- Configure Nginx to respond on the 80 port and run a web app, ie. when <http://127.0.0.1> is opened in the browser.
- Create a web app that will connect to MySQL, read data from a table and display it in the browser for any GET request (the data could be any text string, such as “Hello world”).

### Testing

Please demonstrate a TDD approach for both the web app and the provisioning logic (for Chef there is a tool called Test Kitchen — <http://kitchen.ci>, there are equivalent tools for other provisioning methods).

### Repository

The end result should be a repository we can clone, run `vagrant up` and get the final result on our local machine. We should also be able to run the tests for the web app and provisioning logic.

### Web App

Please use Perl to build the hello world web app.

### Provisioning

With regards to the provisioning, ideally this will be via Chef as we currently use this, but if you have experience of other tools such as Ansible or Puppet then feel free to use these for the provisioning. What we are keen to see is your ability to automate the provisioning of the environment and some means of testing/proving this works as expected.

### Mandatory

The mandatory aspects of the technology are the use of Vagrant, Nginx, Perl and MySQL. You must also be able to provide your output via a repository we can clone and execute locally here to review your work.

Please provide a clear description of how to access the web app in the browser after we run `vagrant up`.

And finally please ensure the source files of the app are editable outside of Vagrant, ie. a standard development setup, when the vagrant box is running the app, but you can edit the source on your host computer.

We would appreciate your input and any comments or questions you may have, before, during or after you have completed the test. Including any areas you feel are unachievable or difficult and why.

Can you please advise us how long the test took you to complete?