

Experiment No. 3.1

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Subject Name: DevOps Process Automation Lab

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1. Aim/Overview of the practical:

1. Create Manifest file in Puppet Server to install http.
2. Check it in Puppet Agent machine to start the services of http.

Code for practical:

A.

- Navigate to the Puppet manifests directory:

```
cd /etc/puppetlabs/code/environments/production/manifests
```

- Create a new manifest file, e.g., http_install.pp:

```
touch http_install.pp
```

- Edit the manifest file using a text editor, e.g., vim or nano:

```
# /etc/puppetlabs/code/environments/production/manifests/http_install.pp
```

```
# Define a class for installing and starting the HTTP service
```

```
class http_service {
```

```
# Install the HTTP package
```

```
package { 'httpd':
```

```
ensure => installed,
```

```
}
```

```
# Ensure the HTTP service is enabled and running
```

```
service { 'httpd':
```

```
ensure => running,
```

```
enable => true,
```

```
}
```

```
}
```

```
# Include the class to ensure it is applied
```

```
include http_service
```

B.

- Run Puppet Agent on the Puppet Agent machine:

```
puppet agent -t
```

- This command applies the configuration from the Puppet Server to the Puppet Agent machine.
- Verify that the HTTP service is installed and running:

```
systemctl status httpd
```

- This command checks the status of the HTTP service. You should see that it is active and running.

***** **THE END** *****