

## Project Overview: wfyi.org Site Migration

WFYI Public Media's website, wfyi.org, is hosted on a LAMP environment composed of Ubuntu 14.04.5 LTS, Apache 2.4.x, MySQL 5.6.x, and PHP 5.6.x. We would like to upgrade the Linux, MySQL and PHP components to the latest versions. To ensure compatibility with the website CMS we need to complete functionality testing. WFYI proposes that a team will create a virtual machine image test the platform of wfyi.org. Installation/setup documentation will also be created to allow IT staff to re-create the environment represented by the virtual machine in a remote hosting environment (DigitalOcean).

### Requirements:

Linux (Ubuntu server) 16.04.3 LTS

- TODO:
- extra APT repos to add (PHP, MySQL)
- extra software to install (Apache, PHP, MySQL, anything else?)
- Directory permissions for Web directory tree

Apache 2.4.x – sites config files provided, as well as website files (dynamic (php) and static (css, js, images, etc)) provided

- TODO:
- modules required

MySQL 5.7.x

- TODO:
- APT Package source
- my.ini

PHP 7.1.x – extensive testing will be needed to ensure the existing PHP code base is compatible with this version of PHP.

- TODO:
- test plan outline
- how to identify issues
- website files (php, static resources)
- php.ini
- APT Package source

### Documentation resources:

<https://www.digitalocean.com/community>

<https://httpd.apache.org/docs/2.4/>

<http://php.net/manual/en/configuration.file.php>

<http://manpages.ubuntu.com/>

<https://serverfault.com/>