# Chapter 8 - Installing Islandora

## Installation Options

- Sandbox : not really an *install*, but more ready to use Islandora space on the web that you can use to test Islandora
- Virtual Machine : pre-packaged virtual computer system that runs on your local machine. You need to have a Virtualization Software to "host" / "run" the Virtual Machine.
- Local install : download an install the individual pieces required to use Islandora on your local machine. Requires various degrees of System Administration [Ubuntu SystemAdministration Help Page] experience, depending on your operating system.

## "Local install" - Pre-installation Software Checklist

### Server Dependencies

The following resources must be present on the server where you plan to install Islandora. Each of these items is detailed in the relevant section of the installation process; this is merely meant as a quick checklist to review the overall set of resources you may have to install on your server:

- PHP 5.3 (minimum)
- PHP5-curl (see also: Other PHP requirements for Islandora)
- PHP-soap (see also:  Other PHP requirements for Islandora)
- PHP5-xsl (see also:  Other PHP requirements for Islandora)
- Apache web server.
- A relational database management system (MySQL recommended)
- Java SE Development Kit (JDK) 6/7
- An applic ation server. Fedora includes the Tomcat Application Server.


"AMP" stack

As a point of reference, having the combined installation of **A**pache, **M**ySQL, and **P**HP is considered an "AMP" stack. In **L**inux, it is called a "LAMP" stack.

## "Local install" - Installation Instructions Overview

In order to install Islandora, you will have to install (at minimum):

- Fedora Commons : instructions "Installing Fedora"
- Drupal (version 7) : instructions "Installing Drupal"
- Islandora Drupal Filter for Fedora Commons : instructions "Installing & Configuring Drupal Filter" | jar downloads on github

The next four sections will lead you through the installation of Dependencies, Drupal, Fedora, and the Islandora Module. These instructions assume an *nix environment. Our current Windows support status is available here.

This chapter contains the following sections:

- a. Installing Fedora
    - Installing Java SE 7 jdk
    - Setting up a MySQL Database for Fedora
- b. Installing Drupal
- c. The "Tuque" library
- d. Installing the Islandora Module
- e. Installing & Configuring Drupal Filter
- Installing Solr and GSearch
    - Customizing GSearch and Solr
    - Index Drupal Content in Islandora's Solr index
    - Upgrading From Older Versions of Solr and GSearch
- Other PHP requirements for Islandora
- Troubleshooting Installation

These instructions are intended for use in concert with Drush, a command line shell and scripting interface for Drupal that we highly recommend for installation and development for Islandora. Installations instructions for multiple platforms are provided on the Drush github page.

User who do not want to install Drush can still install Islandora using the general instructions for each component:

- Install Drupal 7
- Install Fedora Commons
- Install / Configure Drupal Filter

## Versions

Please see the **Supported Versions** section of the Release Notes and Downloads page.