Unresolved directive in Webserver.adoc - include::../Header.adoc[]

Skylab Webserver

In Skylab a webserver is installed on 10.10.1.45. The webserver can be used for

- Seeing the content of the fetched topics
- Upload and download survey files
- Maintenance on the webserver environment

The installation is on Ubuntu 16.04 and has a LAMP installation.

The installation of LAMP is done by:

```
sudo apt-get update
sudo apt-get install apache2

sudo nano /etc/apache2/apache2.conf
```

Add at the bottom:

```
ServerName 10.10.1.45
```

Restart Apache with:

```
sudo systemctl restart apache2
```

Allow incoming traffic:

```
sudo ufw allow in "Apache Full"
```

Install MySQL

```
sudo apt-get install mysql-server
```

use standard password

Secure MySQL environment

```
mysql_secure_installation
```

Install PHP

```
sudo apt-get install php libapache2-mod-php php-mcrypt php-mysql
```

edit dir.conf and move index.php higher up in the list

```
sudo nano /etc/apache2/mods-enabled/dir.conf
```

Activate PostgreSQL connectivity: Open the php.ini file (/etc/php/7.0/cli/php.ini) and check if the following line is un-commented. If it is not, you can remove the semicolon (;) in front of the entry.

```
extension=php_pdo_pgsql.dll
```

Install Postgres driver

```
sudo apt-get install php-pgsql
```

Finalizing

Restart Apache

```
sudo systemctl restart apache2
```

Test server:

```
sudo nano /var/www/html/info.php
```

```
<?php
phpinfo();
?>
```

Check with:

```
http://10.10.1.45/info.php
```

Install additional packages & commands

```
sudo apt-get install libssl-dev
sudo apt-get install php7.0-cli -y
sudo apt-get install libssh2-1 php-ssh2 -y
```

add to php.ini

```
extension = ssh2.so
```

Give website rights in home directory of Willy

```
sudo chmod -R 777 /home/willy
```

Enable CGI

```
sudo a2enmod cgi
```

Restart Apache

```
sudo systemctl restart apache2
```

reference:

https://www.digitalocean.com/community/tutorials/how-to-install-linux-apache-mysql-php-lamp-stack-on-ubuntu-16-04