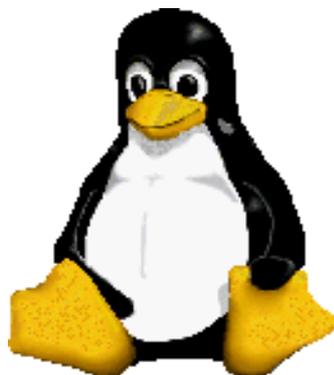


Instalação do Servidor Web Apache (Parte II)



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Configuração do PHP no Apache

Para instalar o PHP, execute os comandos abaixo:

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

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

```
                                /etc/apache2/mods-enabled/dir.conf  
  
<IfModule mod_dir.c>  
    DirectoryIndex index.html index.cgi index.pl index.php index.xhtml index.htm  
</IfModule>
```

Mude para:

```
                                /etc/apache2/mods-enabled/dir.conf  
  
<IfModule mod_dir.c>  
    DirectoryIndex index.php index.html index.cgi index.pl index.xhtml index.htm  
</IfModule>
```

Configuração do PHP no Apache

Para instalar o PHP, execute os comandos abaixo (cont.):

```
sudo systemctl restart apache2
```

```
sudo systemctl status apache2
```

Testando o PHP no Servidor Web

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

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

Configuração do PHP no Apache

Acesso o seu servidor web: 127.0.0.1/info.php

| PHP Version 7.0.4-7ubuntu1 | |
|---|---|
| System | Linux ubuntu-16-lamp 4.4.0-12-generic #28-Ubuntu SMP Wed Mar 9 00:33:55 UTC 2016 x86_64 |
| Server API | Apache 2.0 Handler |
| Virtual Directory Support | disabled |
| Configuration File (php.ini) Path | /etc/php/7.0/apache2 |
| Loaded Configuration File | /etc/php/7.0/apache2/php.ini |
| Scan this dir for additional .ini files | /etc/php/7.0/apache2/conf.d |
| Additional .ini files parsed | /etc/php/7.0/apache2/conf.d/10-mysqld.ini, /etc/php/7.0/apache2/conf.d/10-opcache.ini, /etc/php/7.0/apache2/conf.d/10-pdo.ini, /etc/php/7.0/apache2/conf.d/20-calendar.ini, /etc/php/7.0/apache2/conf.d/20-ctype.ini, /etc/php/7.0/apache2/conf.d/20-exif.ini, /etc/php/7.0/apache2/conf.d/20-fileinfo.ini, /etc/php/7.0/apache2/conf.d/20-ftp.ini, /etc/php/7.0/apache2/conf.d/20-gettext.ini, /etc/php/7.0/apache2/conf.d/20-iconv.ini, /etc/php/7.0/apache2/conf.d/20-json.ini, /etc/php/7.0/apache2/conf.d/20-mcrypt.ini, /etc/php/7.0/apache2/conf.d/20-mysqli.ini, /etc/php/7.0/apache2/conf.d/20-pdo_mysql.ini, /etc/php/7.0/apache2/conf.d/20-phar.ini, /etc/php/7.0/apache2/conf.d/20-posix.ini, /etc/php/7.0/apache2/conf.d/20-readline.ini, /etc/php/7.0/apache2/conf.d/20-shmop.ini, /etc/php/7.0/apache2/conf.d/20-sockets.ini, /etc/php/7.0/apache2/conf.d/20-sysvmsg.ini, /etc/php/7.0/apache2/conf.d/20-sysvsem.ini, /etc/php/7.0/apache2/conf.d/20-sysvshm.ini, /etc/php/7.0/apache2/conf.d/20-tokenizer.ini |
| PHP API | 20151012 |
| PHP Extension | 20151012 |
| Zend Extension | 320151012 |
| Zend Extension Build | API320151012.NTS |
| PHP Extension Build | API20151012.NTS |
| Debug Build | no |
| Thread Safety | disabled |
| Zend Signal Handling | disabled |
| Zend Memory Manager | enabled |
| Zend Multibyte Support | disabled |
| IPv6 Support | enabled |
| DTrace Support | enabled |
| Registered PHP Streams | https, ftps, compress.zlib, php, file, glob, data, http, ftp, phar |
| Registered Stream Socket Transports | tcp, udp, unix, udg, ssl, tls, tlsv1.0, tlsv1.1, tlsv1.2 |
| Registered Stream Filters | zlib.*, string.rot13, string.toupper, string.tolower, string.strip_tags, convert.*, consumed, dechunk, convert.iconv.*, mcrypt.*, mdecrypt.* |

Configuração MySQL

Execute os seguintes comando para instalar o MySQL:

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

Uma vez instalado, vamos mudar algumas configurações no banco.

```
mysql_secure_installation
```

Após a etapa acima, execute o seguinte comando:

```
mysql> SELECT user,authentication_string,plugin,host FROM mysql.user;
```

| user | authentication_string | plugin | host |
|------------------|---|-----------------------|-----------|
| root | | auth_socket | localhost |
| mysql.session | *THISISNOTAVALIDPASSWORDTHATCANBEUSEDHERE | mysql_native_password | localhost |
| mysql.sys | *THISISNOTAVALIDPASSWORDTHATCANBEUSEDHERE | mysql_native_password | localhost |
| debian-sys-maint | *44BD7BE2CB1D34E88D727DE9CD60F5BF77847898 | mysql_native_password | localhost |

```
4 rows in set (0.00 sec)
```

Configuração MySQL

Altera a configuração padrão inserindo uma senha para o root

```
mysql> ALTER USER 'root'@'localhost' IDENTIFIED WITH mysql_native_password BY 'password';  
Query OK, 0 rows affected (0.00 sec)
```

Execute o comando abaixo para verificar como ficou a tabela de autenticação

```
mysql> SELECT user,authentication_string,plugin,host FROM mysql.user;  
+-----+-----+-----+-----+  
| user          | authentication_string          | plugin          | host          |  
+-----+-----+-----+-----+  
| root         | *2470C0C06DEE42FD1618BB99005ADCA2EC9D1E19 | mysql_native_password | localhost    |  
| mysql.session | *THISISNOTAVALIDPASSWORDTHATCANBEUSEDHERE | mysql_native_password | localhost    |  
| mysql.sys    | *THISISNOTAVALIDPASSWORDTHATCANBEUSEDHERE | mysql_native_password | localhost    |  
| debian-sys-maint | *44BD7BE2CB1D34E88D727DE9CD60F5BF77847898 | mysql_native_password | localhost    |  
+-----+-----+-----+-----+  
4 rows in set (0.00 sec)
```

Configuração MySQL

Execute um **FLUSH** para que as modificações possam ter efeito

```
mysql> FLUSH PRIVILEGES;
Query OK, 0 rows affected (0.00 sec)

mysql> SELECT user,authentication_string,plugin,host FROM mysql.user;
+-----+-----+-----+-----+
| user          | authentication_string          | plugin              | host      |
+-----+-----+-----+-----+
| root          | *2470C0C06DEE42FD1618BB99005ADCA2EC9D1E19 | mysql_native_password | localhost |
| mysql.session | *THISISNOTAVALIDPASSWORDTHATCANBEUSEDHERE | mysql_native_password | localhost |
| mysql.sys     | *THISISNOTAVALIDPASSWORDTHATCANBEUSEDHERE | mysql_native_password | localhost |
| debian-sys-maint | *44BD7BE2CB1D34E88D727DE9CD60F5BF77847898 | mysql_native_password | localhost |
+-----+-----+-----+-----+
4 rows in set (0.00 sec)
```



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