

# Ubuntu 20.04?firefly-iii?????(PHP8.1???)

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<https://www.firefly-iii.org/>

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- Ubuntu 20.04
- Apache 2.4
- MySQL 8.3
- PHP 8.1
- Composer 2.6.5
  - [???????](#)

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- ?????????????DNS??
- ???????????

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1. ?????????????
2. composer??????????
3. DB??????
4. .env??????
5. DB????????????
6. ?????????????????
7. Apache?Web??????????
8. ???????????

## Firefly III ???????

- ???????

```
cd /home/www-data
```

Web????????????????

- ???????????

```
sudo -u www-data git clone https://github.com/firefly-iii/firefly-iii.git -b 5.7.9
```

?PHP8.1????????????????

- ???????

```
ls -ld firefly-iii
```

????????????????Web?????(www-data)????????????

## Firefly III ???????

- ???????

```
cd firefly-iii && pwd
```

- Composer??????

```
sudo -u www-data composer install --no-dev --prefer-dist
```

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## DB??

- mysql????

```
mysql -u root -p
```

- DB??

```
CREATE DATABASE firefly character set utf8mb4;
```

```
CREATE USER 'firefly'@'localhost' IDENTIFIED BY 'password';
```

```
GRANT ALL PRIVILEGES ON firefly.* TO 'firefly'@'localhost';
```

```
FLUSH PRIVILEGES;
```

```
EXIT;
```

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## .env??

- .env???????

```
sudo cp -pi .env.example .env
```

- ?????
  - .env ????????????????????

```
DB_CONNECTION=mysql
DB_HOST=127.0.0.1
DB_PORT=3306
DB_DATABASE=firefly
DB_USERNAME=firefly
DB_PASSWORD=your_password
```

????????????????DB???????

## DB???????

```
sudo -u www-data php artisan firefly-iii:upgrade-database
```

```
sudo -u www-data php artisan firefly-iii:correct-database
```

```
sudo -u www-data php artisan firefly-iii:report-integrity
```

```
sudo -u www-data php artisan passport:install
```

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- ???????

```
sudo mkdir /var/log/firefly
```

- ???????????

```
sudo chown -R www-data www-data /var/log/firefly
```

- ?????????

```
ls -ld /var/log/firefly
```

## Apache??

- ?????????
  - /etc/apache2/sites-available/firefly-iii.conf
  - ?????????????????????

```
cat <<- __EOF__ | sudo tee -a /etc/apache2/sites-available/firefly-iii.conf
<VirtualHost *:80>
    servername [bank.example.com]
    # [ ]
    RewriteEngine On
        RewriteCond %{HTTPS} off
        RewriteRule ^(.*)$ https://%{HTTP_HOST}%{REQUEST_URI} [R=301,L]
    # HTTP[ ]HTTPS[ ]
</VirtualHost>

<VirtualHost *:443>
    ServerName [bank.example.com]
    # [ ]
    CustomLog [var/log/firefly/firefly_access.log] combined
    ErrorLog [var/log/firefly/firefly_error.log]
    DocumentRoot [home/www-data/firefly-iii/public]
    # [ ]
    <Directory [home/www-data/firefly-iii/public]>
        # [ ]
        AllowOverride All
        Require all granted
    </Directory>

    #SSL[ ]
    SSLEngine on
    Protocols h2 http/1.1
    # SSL[ ]

    SSLCertificateFile [etc/certs/bank.example.com.crt]
    # SSL[ ]
    SSLCertificateKeyFile [etc/private/bank.example.com.key]
    # [ ]
```

```
# SSLCertificateFile /etc/certs/bank.example.com.crt
#
#

Header always set Strict-Transport-Security "max-age=63072000"
Header set X-Content-Type-Options "nosniff"
Header always append X-Frame-Options "SAMEORIGIN"
Header set X-XSS-Protection "1; mode=block"

</VirtualHost>

SSLProtocol          all -SSLv3 -TLSv1 -TLSv1.1 -TLSv1.2
SSLCipherSuite        ECDHE-ECDSA-AES128-GCM-SHA256:ECDHE-RSA-AES128-GCM-SHA256:ECDHE-ECDSA-
AES256-GCM-SHA384:EC6-GCM-SHA384
SSLHonorCipherOrder   off
SSLSessionTickets     off

SSLUseStapling On
SSLStaplingCache "shmcb:logs/ssl_stapling(32768)"
__EOF__
```

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- ????

```
sudo a2ensite firefly-iii.conf
```

- Web???????


```
sudo systemctl restart apache2
```

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???URL????????bank.example.com)

# Firefly|||

Register a new account

☒ Verify password security 

Register

[I want to login](#)

[I forgot my password](#)

- Email address
- ?????16????

?????Register???????

?????(????????????)????????????????????