

# APACHE - OIDC

Buypass Code

**BUYPASS OPEN**

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## History of change

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# 1 Overview

## 1.1 Requirements

- The following integration guide is created using Ubuntu Linux and Apache2. For other Linux distros adjust the instructions accordingly.
- Buypass Code OpenID Connect provides authentication through mobile phone number. The published web application must perform the authorization of its users. The users mobile number will be passed to the applicatin by http header.

## 1.2 Prerequisites

- Web site published by Apache web server.
- OpenID Connect configuration acquired from Buypass.
- Knowledge of the Apache OIDC module to be used:  
[https://github.com/zmartzone/mod\\_auth\\_openidc](https://github.com/zmartzone/mod_auth_openidc)

## 2 Integration

### 2.1 Install OpenID Connect module

Run commands:

- sudo apt-get update
- sudo apt-get install libapache2-mod-auth-openidc

### 2.2 OpenID Connect configuration

Edit `auth_openidc.conf` with the OIDC configuration parameters. The file location in Ubuntu is `mods_available/`. For Red Hat the location is `conf.d/`

```
OIDCR redirectURI https://testoidc.bpcodedemo.no/oauth/secure/redirect\_uri
OIDCCryptoPassPhrase secretpassphrase12345
OIDCProviderMetadataURL https://auth.code.bypass.no/auth/realms/bpcode/.well-known/openid-configuration
OIDCClientID apache-demo
OIDCClientSecret mysecret
OIDCScope "openid email profile"
OIDCRemoteUserClaim preferred_username
```

Enable the OpenID Connect module with the following command

```
Sudo a2enmod auth_openidc
```

Enable OpenID Connect authentication for the website to be secured. This is typically done in the `sites-enabled` folder.

```
<Directory "/var/www/html">
    AuthType openid-connect
    Require valid-user
</Directory>
```

Enable passing of the user identity through `http-header` with the following command

```
sudo a2enmod headers
```

## 2.3 Verification

For verifying the successful passing of the user identity in the http header, it is possible to create a sample PHP file, e.g. index.php:

```
<html>
  <body>
    <h1>Hello, <?php echo($_SERVER['REMOTE_USER']) ?></h1>
    <pre><?php print_r(array_map("htmlentities", apache_request_headers())); ?></pre>
    <a
href="/protected/redirect_uri?logout=https%3A%2F%2Flocalhost%2Floggedout.html">Logout<
/a>
  </body>
</html>
```

Remember to enable PHP in Apache for successful verification.

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