



MAGENTO 2

Two Factor Authentication

Version 0.0.3

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Introduction

The ZERO-1 Two Factor Authentication module for Magento 2 increases protection of your Magento Admin system considerably.

Once installed the extension will guide you to install the required App on your smart phone, thereafter you can pair up and use your mobile device to generate an OTP code which is required in addition to your existing Magento Admin credentials.

Installation

1. Download the package file from your purchase on Magento Marketplace
2. From your Magento root make the directory `app/code/Zero1/TwoFactorAuthentication`
3. Extract the package into the above directory
4. Update your `composer.json` file. If this is your first time installing a ZERO-1 module you will need to locate your `composer.json` find 'psr-4' and amend as below

```
"psr-4": {  
    "Magento\\Framework\\": "lib/internal/Magento/Framework/",  
    "Magento\\Setup\\": "setup/src/Magento/Setup/",  
    "Magento\\": "app/code/Magento/"  
},
```

would become

```
"psr-4": {  
    "Magento\\Framework\\": "lib/internal/Magento/Framework/",  
    "Magento\\Setup\\": "setup/src/Magento/Setup/",  
    "Magento\\": "app/code/Magento/",  
    "Zero1\\": "app/code/Zero1/"  
},
```

1. You will then need to enable the module:

```
php bin/magento module:enable Zero1_TwoFactorAuthentication
```

2. You will then need to tell magento to add the new module/theme:

```
php bin/magento setup:upgrade
```

3. it would then be best to clear cache and regenerate all files

```
php bin/magento deploy:mode:set production; php bin/magento setup:static-content:deploy; php bin/magento setup:static-content:deploy en_GB en_US; php bin/magento cache:enable; php bin/magento cache:flush;
```

4. Your module should now be installed

Setup

Once you have installed the module, simply login and you will be directed to install the app. You can simply follow these instructions.

General - Tips for Security

1. Never use your first name as the username
2. Always have individual user accounts for real people - never have shared user accounts for Admin or Merchandising.
3. If you employ any third parties to support your store, always remove their user accounts afterwards.

First Time Setup - each user

Two Factor Authentication - Signup Step 1



Continue

FreeOTP Application Install

To continue using your admin system you must enable two factor authentication on your account.

This whole process should take less than five minutes to complete but will increase your account security considerably.

95% of attacks involve harvesting credentials from customer devices, then logging into web applications with them. - Source "Verizon 2015 Data Breach Investigations Report"

Two factor authentication stops somebody logging in to an admin account even if they have the username and password.

97% of breaches featuring stolen credentials leveraged legitimate partner access. - Source "Verizon 2016 Data Breach Investigations Report"

Even if the username and password you give to a partner is leaked to the public they will still need a code only the partner can generate.

Please download and install the correct version of FreeOTP to your device.

Press continue once installed and running.

Android

<https://play.google.com/store/apps/details?id=org.fedorahosted.freeotp>

Pair your smart phone

Load the Free OTP App and click the QR code icon, this will open scan mode where you can scan the QR code on the screen below. This will then provide a code which can be entered into the code field below.

Two Factor Authentication - Signup Step 2

🔍 🔔⁵ 👤 2fa-user ▾

Continue

Your Two Factor Authentication QR Code

Code *

Please scan the following QR code using FreeOTP.

Once you have scanned it you will be able to click the entry and retrieve a 6 digit code.

Please enter the code and click continue to finalise the two factor authentication setup.



Complete

The below screen should now show indicating the process is now complete for the current user and you can now login. Complete

Two Factor Authentication - Signup Step 3

🔍 🔔⁵ 👤 2fa-user ▾

Done

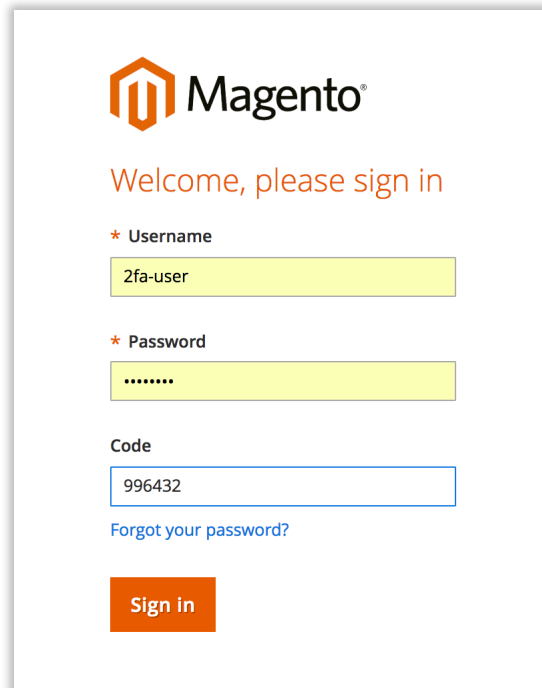
Two Factor Authentication Completed

Two factor authentication is now enabled on your account.

Next time you login you will be asked to confirm using a code generated via FreeOTP.

Login

You can now login as usual but will need to additionally load up the FreeOTP App to provide your One Time Passcode.



The screenshot shows the Magento login page with the following elements:

- Magento Logo:** The Magento logo is displayed at the top left of the login form.
- Welcome Message:** The text "Welcome, please sign in" is displayed in orange.
- Username Field:** A text input field labeled "* Username" containing the text "2fa-user".
- Password Field:** A text input field labeled "* Password" containing seven dots, indicating a masked password.
- Code Field:** A text input field labeled "Code" containing the text "996432".
- Forgot Password Link:** A blue link labeled "Forgot your password?" is located below the code field.
- Sign in Button:** An orange button labeled "Sign in" is located at the bottom of the form.

ZERO-1 have been actively working with Magento since 2009. Being an early adopter, we have been gifted with incredible outlook over the Eco-System from Systems Integration through to Commercial Marketplaces. We actively work in both 'camps' and this unity is where our passion lies.

*Creating value-added enhancements to the Magento platform
using the highest possible standards*

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