

# Apple pay Installation Guide

## Step 1:

Copy paste file in corresponding folder. app/code/Thecommerceshop/Applepayauth

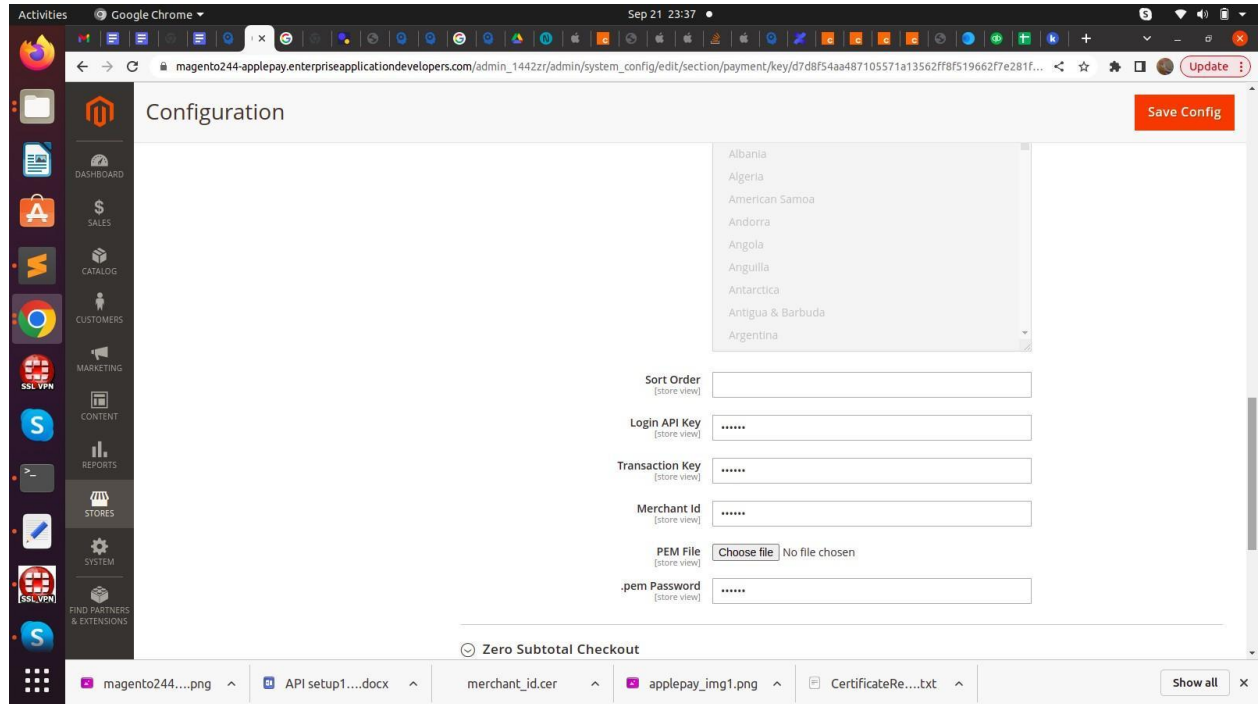
## Step 2:

Setup Upgrade by using the following cmd in terminal php bin/magento setup:upgrade and provide respective permission for the folder

## Step 3:

Store->Configuration-> Sales tab->Payment Method->ApplePay

The screenshot shows the Magento 2.4.4 Configuration page for Apple Pay. The page is titled "Configuration" and has a "Save Config" button in the top right corner. The left sidebar contains a navigation menu with categories like DASHBOARD, SALES, CATALOG, CUSTOMERS, MARKETING, CONTENT, REPORTS, STORES, SYSTEM, and FIND PARTNERS & EXTENSIONS. The main content area is divided into two sections: "amazon pay" and "Applepay". The "amazon pay" section has a "Configure" button and a description: "The convenient, trusted way to pay. Let your customers check out in just a few clicks or taps using the shipping and payment info already stored in their Amazon account." The "Applepay" section contains several configuration options: "Enabled" (Yes), "Show on Cart" (Yes), "Sandbox Mode" (Yes), "Title" (ApplePay), "New Order Status" (Pending), "Payment from Applicable Countries" (All Allowed Countries), and a list of countries including Afghanistan, Albania, Algeria, American Samoa, and Andorra.



## Server Setup

- 1 Use the Apple pay developer account <https://developer.apple.com/> to create merchant id
- 2 Need to generate new merchant id for each domain, and need to update the merchant id in the authorize.net as shown below

### Merchant Id generation in Apple Pay

- Select Identifiers under **Certificates, Identifiers & Profiles**
- To Create new Identifier, Select + icon
- Select **Merchant Ids** under Register a new identifier
- Select Continue at the top
- Add Description and Identifier and Select Continue
- Select Register

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developer.apple.com/account/overview/3072980382

Developer Account

Innoppl, Inc.  
Apple Developer Program

People

Certificates, Identifiers & Profiles

App Store Connect

Additional Resources

- Documentation
- Downloads
- Forums
- Feedback Assistant

https://

Activities Google Chrome Sep 21, 2020

developer.apple.com/account/resources/identifiers/merchant/id/

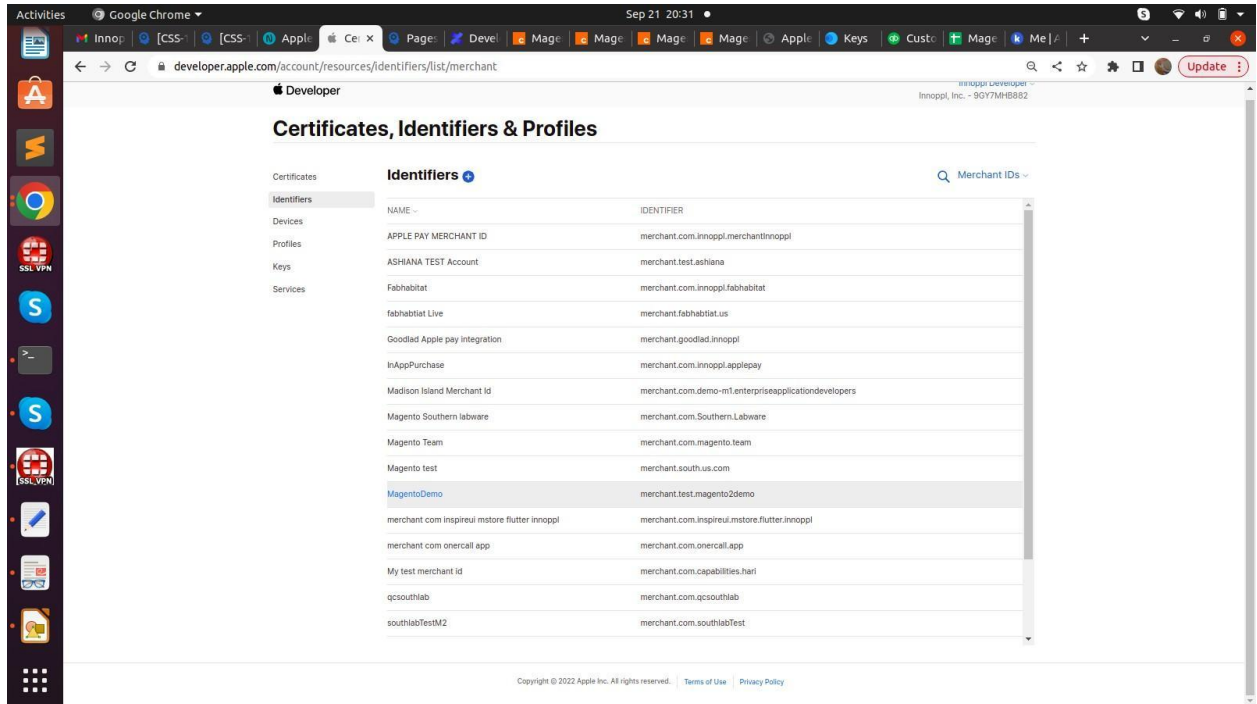
Developer Certificates, Identifiers & Profiles

Register a Merchant ID

Merchant ID

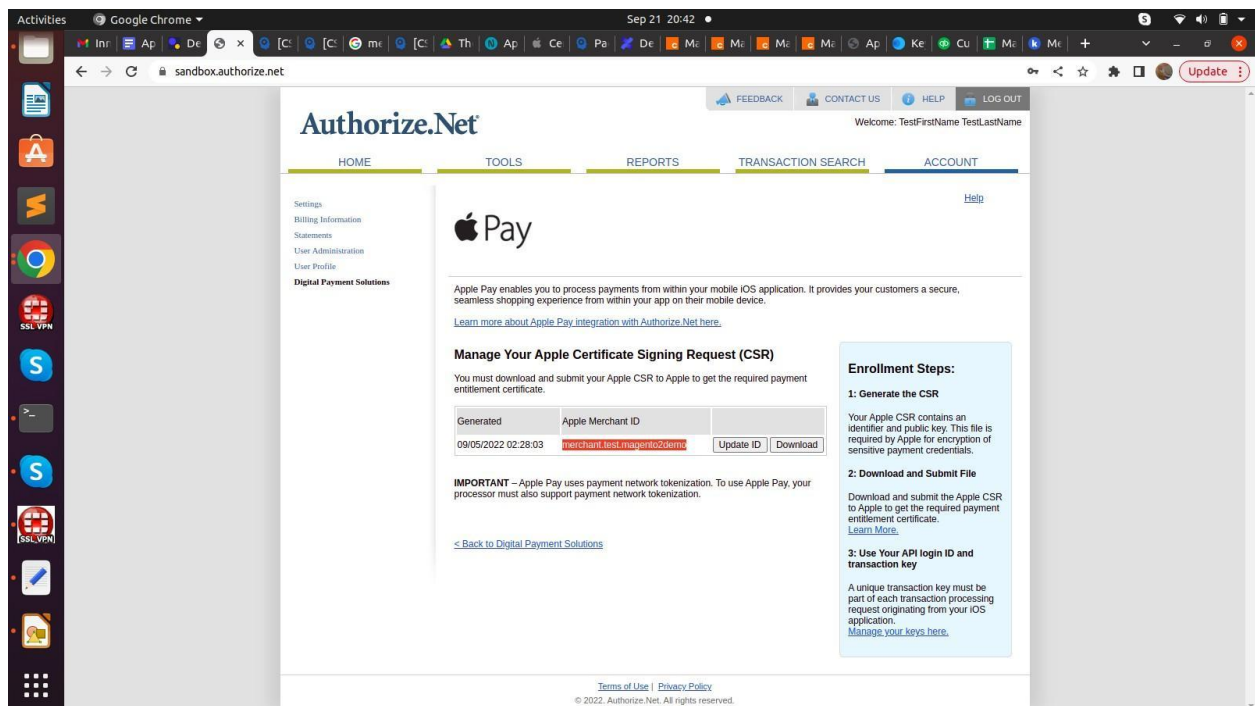
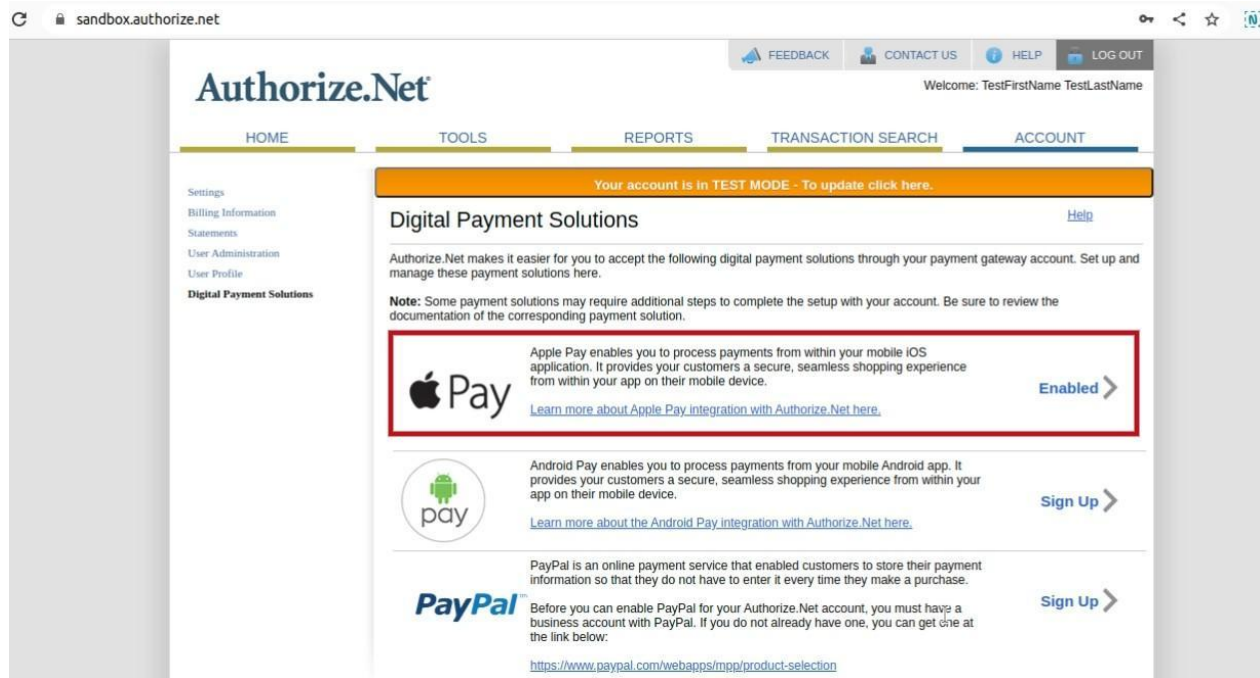
merchantid.magento2.com

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### Authorize.net configuration:

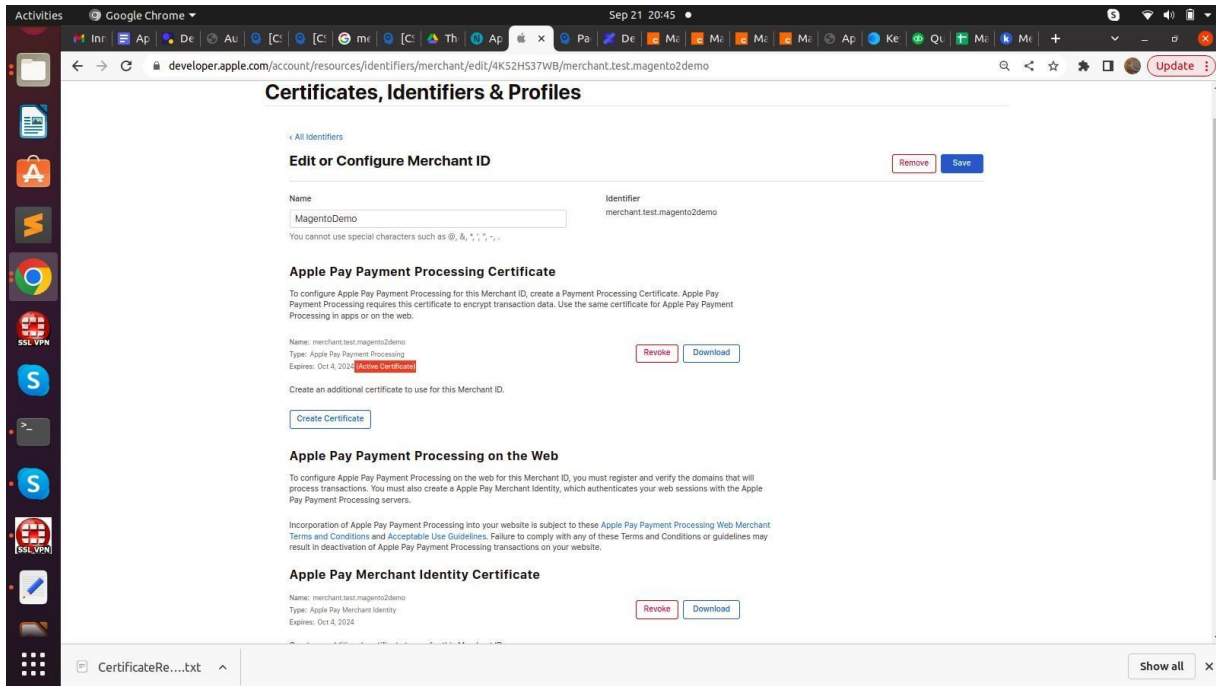
- Login to `developer.authorize.net`
- Navigate Digital Payment Solutions
- Select Apple Pay Sign/Up or Enabled
- Update/ Add Apple merchant id
- Download CSR certificate - `CertificateRequest_csr.txt`



## Create Apple Apple Pay Payment Processing Certificate:

- Select Certificates, Identifiers & Profiles

- Select Identifiers
- Filter and navigate to merchant id
- Select Certificate Under **Apple Pay Payment Processing Certificate**
- Upload CSR file (which we downloaded from authorize.net) under **Upload a Certificate Signing Request**
- Select Continue.
- Note: Ensure Certificate status is Active as shown below



Name

magento244

Identifier

merchant.test.magento

You cannot use special characters such as @, &, \*, ' ", -, .

### Apple Pay Payment Processing Certificate

To configure Apple Pay Payment Processing for this Merchant ID, create a Payment Processing Certificate. Apple Pay Payment Processing requires this certificate to encrypt transaction data. Use the same certificate for Apple Pay Payment Processing in apps or on the web.

Name: merchant.test.magento

Type: Apple Pay Payment Processing

Expires: Nov 1, 2024 (Active Certificate)

Revoke

Download

Create an additional certificate to use for this Merchant ID.

Create Certificate

### Apple Pay Payment Processing on the Web

To configure Apple Pay Payment Processing on the web for this Merchant ID, you must register and verify the domains that will process transactions. You must also create a Apple Pay Merchant Identity, which authenticates your web sessions with the Apple Pay Payment Processing servers.

Incorporation of Apple Pay Payment Processing into your website is subject to these [Apple Pay Payment Processing Web Merchant Terms and Conditions](#) and [Acceptable Use Guidelines](#). Failure to comply with any of these Terms and Conditions or guidelines may result in deactivation of Apple Pay Payment Processing transactions on your website.

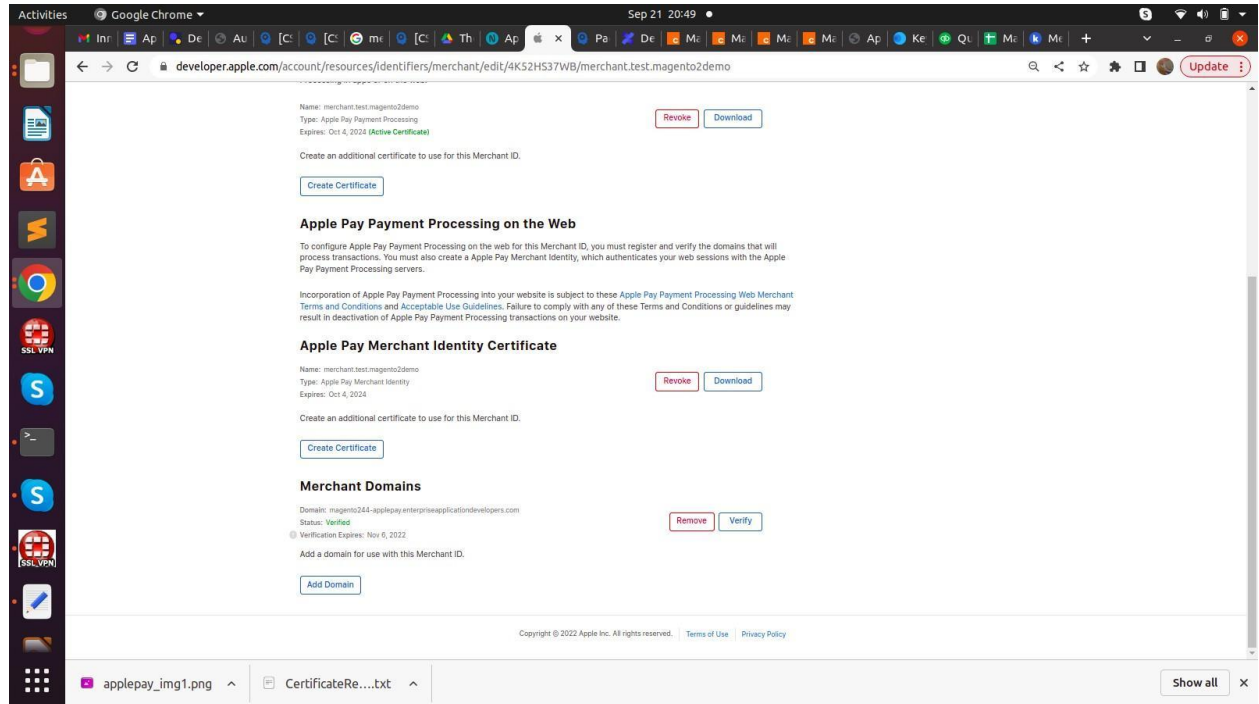
## Merchant domain validation:

- Select Add Domain under **Merchant Domains** section.
- Enter Domain name. | Note: Copy full domain from site url.  
Ex: [magento244-applepay.enterpriseapplicationdevelopers.com](https://magento244-applepay.enterpriseapplicationdevelopers.com)
- Select Save
- Select the Download button, **apple-developer-merchantid-domain-association.txt** will be downloaded
- Move the download txt file to the server.  
domain.com/.well-known/apple-developer-merchantid-domain-association.txt.

### For example:

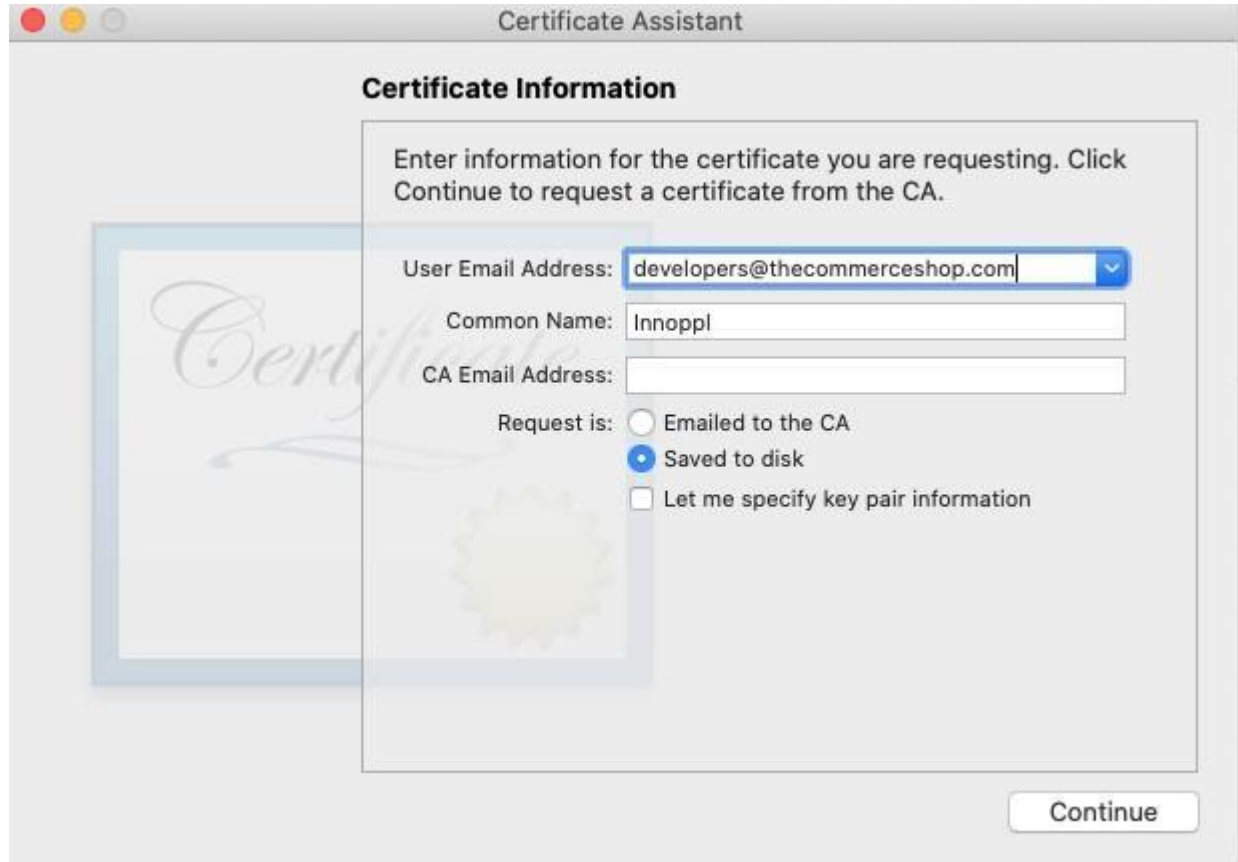
<https://magento244-applepay.enterpriseapplicationdevelopers.com/.well-known/apple-developer-merchantid-domain-association.txt>

- Select Verify and ensure site is verified as shown below:



## Apple Pay Merchant Identity Certificate

- In Mac, Navigate KeyChains app
- Select Keychain Access menu → Certificate Assistant
- Select Request a Certificate from authority
- Enter details and select continue
- Save the certificate(CertificateSigningRequest.certSigningRequest) in the desired location.



### Create Merchant identity certificate:

- Inside the MAC developer apple account, Navigate to **Apple Pay Merchant Identity Certificate** Selected Merchant identifier
- Select Create Certificate
- Upload the above **CertificateSigningRequest.certSigningRequest** certificate under **Upload a Certificate Signing Request**
- Select Continue and Download **merchant\_id.cer** certificate
- Navigate to downloaded file and double click, to add it to the keychain

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developer.apple.com/account/resources/identifiers/merchantIdE8J4K52W637P66/merchantBestImages2demo

Download Apple Pay Payment Processing on the Web for the Merchant ID, create a Payment Processing Certificate for Apple Pay Payment Processing on the Web for the Merchant ID, create a Payment Processing Certificate for Apple Pay Payment Processing on the Web for the Merchant ID.

Download

Download

Apple Pay Payment Processing on the Web

Download

Download

Apple Pay Merchant Identity Certificate

Download

Merchant Domains

Download

merchant\_id.cer applepay\_img1.png CertificateRe...txt

Show all X

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developer.apple.com/account/resources/certificates/mcscg2v7m6uajld

Developer

Certificates, Identifiers & Profiles

Create a New Certificate

certificate Type

Apple Pay Merchant Identity Certificate

Upload a certificate Signing Request

MI

merchant\_id.cer applepay\_img1.png CertificateRe...txt

Show all X

## Generating .pem key for payment:

- In Mac laptop, Select KeyChains app
- Navigate Category → My Certificates
- Double click Select your Apple pay merchant identity certificate
- Popup will be shown with certificate details
- Under Trust, change **Always Trust** option for When Using Certificate option.
- Close the popup widget.
- Select arrow and right click on the key icon
- Select Export
- Enter Password for file
- Enter mac login user password and save Certificates.p12 file in desired location. Screen recording: <https://nimb.ws/nciX9Z>
- Double click Certificates.p12 file

## Convert Certificates.p12 to .pem format:

- Navigate to certificate directory in terminal
- Run  
Format: openssl pkcs12 -in path.p12 -out newfile.pem  
Example: openssl pkcs12 -in Certificates.p12 -out applepay.pem -nodes
- Move the file to remote server certificate directory: (Example: scp applepay.pem magento244@magento244-applepay.enterpriseapplicationdevelopers.com:/var/www/html/magento2.4.2/var/applepay/applepay.pem)
- Give file permission to cert file.
- Upload file in Sales → Payment Methods → Apple Pay → Pem file
- Place test order and verify flow

## Important Requirements:

Kindly follow the below requirements to complete the apple pay payment gateway successfully

- Pem file name should be "applepay.pem"
- To add Authorize.net credentials inside the Admin -> Configuration -> Sales -> Payment Methods -> Applepay. - <https://nimb.ws/LzbgA>
- Add apple pay merchant id inside the magento admin panel - Admin -> Configuration -> Sales -> Payment Methods -> Applepay

Screenshot from magento2 admin panel -<https://nimb.ws/rbtIVy>

Screenshot from apple pay for merchant id - <https://nimb.ws/haVtx6>

- Don't forget to add PEM key password in the admin configuration.

## References:

- [Apple Pay on the Web](#)
- [Configuring Your Environment](#)
- [Sandbox Testing](#)
- [Generating .pem file using Open SSL](#)
- [Configure Apple pay using apple pay documentation](#)

## Hurdles in testing integration:

### Sandbox:

- Sandbox test account: In your test device(iPhone), under Settings → Profile , ensure sandbox profile is logged in instead of developer account
- Add Apple approved sandbox test card details. Refer: [Sandbox Testing](#)
- Ensure Region is United states while setting sandbox account in iPhone
- Don't forget to add the **PEM key password** in the admin configuration. If you didn't update the PEM key password, you will get the following error in the log.

**Curl failed with error #0: could not load PEM client certificate, OpenSSL error error:02001002:system library:fopen:No such file or directory, (no key found, wrong pass phrase, or wrong file format?)**

### Live:

- Ensure valid shipping , billing , phone numbers are provided
- Live orders are allowed from the US only.