Sage Pay Payment Gateway Solution - Kentico 10

This Sage Pay payment gateway solution supports E-commerce payments and online Mail Order/Telephone Order (MOTO) payments. It works with Kentico CMS 10. The Kentico website stores tokens returned by Sage Pay (not actual credit/debit card numbers) for use by returning customers wanting to use a previously used card. This facilitates PCI-DSS compliance. SagePay_SolutionPackage_Kentico10 must be used for integrating Sage Pay with any installation of Kentico CMS 10.

Before installing this payment gateway, it is advisable but not essential to install the latest Hotfix for your Kentico CMS version, using the Kentico Installation Manager (KIM). Also, it is good practice to backup all your Kentico website files and the associated database.

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A. Importing the Sage Pay Add in Package

1. IMPORT the Kentico10_SagePayAddin_ImportPackage package:

Go to Admin section, open Site application, and choose import.

Step 1 of 4 | Import type

Please select package to be imported and type of the import.

[Upload package] [Delete package] [Refresh]

Kentico8_SagePayAddin_ImportPackage.zip
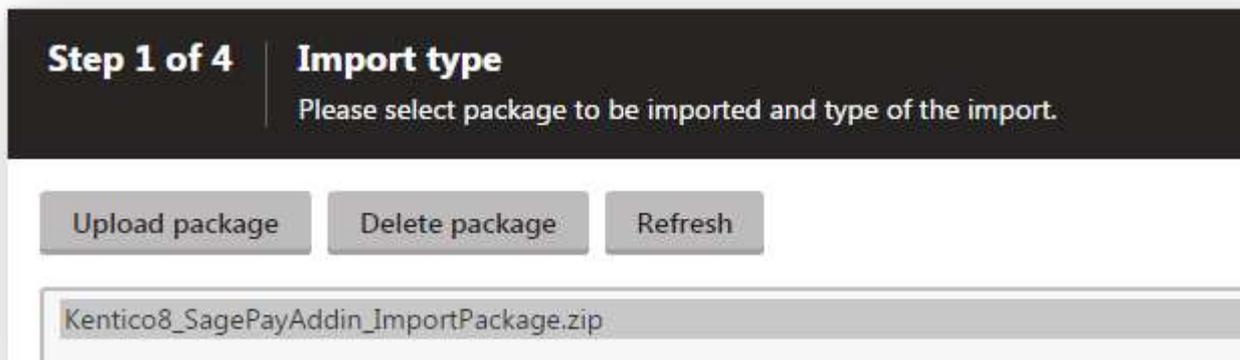
2. CHECK ALL Import files options and complete import:

Step 2 of 3 | Objects selection

Please select objects which should be imported.

- All objects
  - Global objects
    - E-commerce
      - Currencies
      - Payment options
    - Development
      - Custom tables
      - Modules
      - Web parts
  - Configuration
    - Setting keys

marked with a warning and will be overwritten if checked. Please select the object type from the tree if you wish to change the default selection.
Click **Next** to start the import of selected objects.

Global object selection

[Load default selection] [Select all] [Select only new] [Deselect all]

Import settings

- [ ] Do not import objects where parent object is missing
- [ ] Import tasks (recommended)
- [ ] Log staging synchronization tasks
- [ ] Log integration tasks
- [x] Import files (recommended)
  - [x] Import code files
  - [x] Import custom assembly files
  - [x] Import global folders

[Previous] [Next]

3. COPY the *SagePayPaymentGateway.dll* and *SagePayKentico10.dll* assembly files to /bin/:

SagePay > SagePay10Ecom > CMS > bin

Name	Date modified	Type	Size
SagePayKentico10.dll	25/06/2018 10:58	Application extens	22
SagePayPaymentGateway.dll	26/02/2016 13:24	Application extens	126
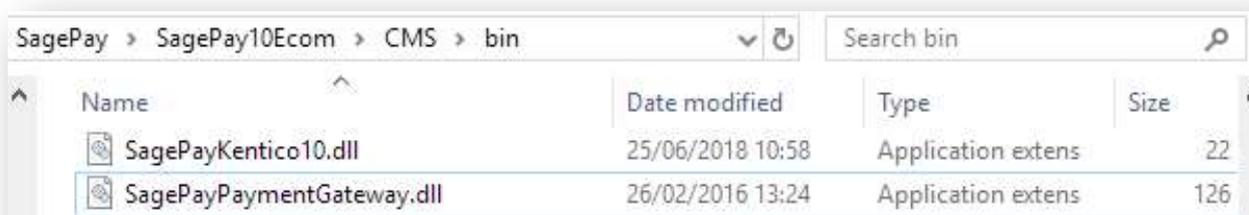
## 4. VERIFY following folders containing all of the files:

Name	Date modified	Type	Size
SagePayGatewayForm.ascx	22/06/2018 15:36	ASP.NET User Con...	3 KB
SagePayGatewayForm.ascx.cs	25/06/2018 10:50	Visual C# Source F	7 KB
SagePayNotificationPage.ashx	27/06/2018 16:01	ASP.NET Generic ...	1 KB
web.config	27/06/2018 16:01	XML Configuratio...	1 KB
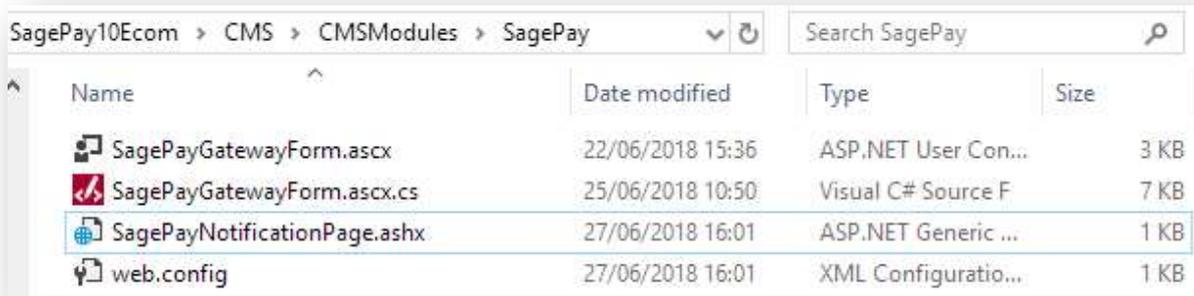
SagePay10Ecom › CMS › CMSModules › SagePay — Search SagePay
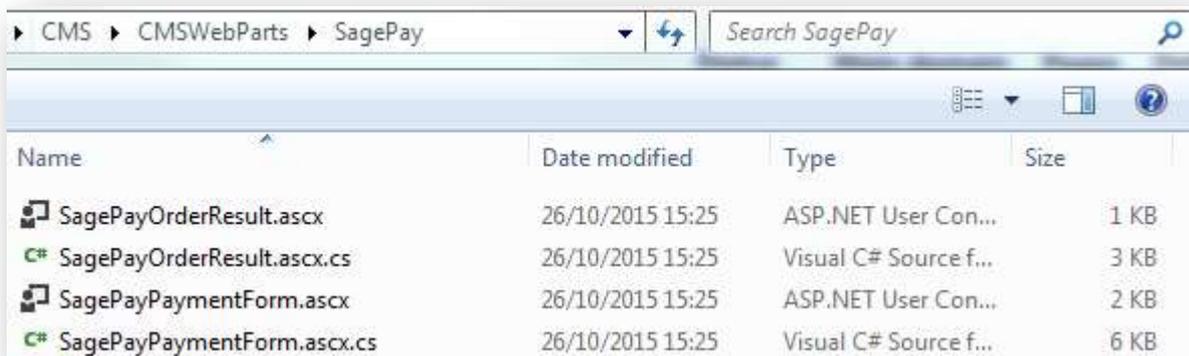
CMS › CMSWebParts › SagePay — Search SagePay

| Name	Date modified	Type	Size
SagePayOrderResult.ascx	26/10/2015 15:25	ASP.NET User Con...	1 KB
SagePayOrderResult.ascx.cs	26/10/2015 15:25	Visual C# Source f...	3 KB
SagePayPaymentForm.ascx	26/10/2015 15:25	ASP.NET User Con...	2 KB
SagePayPaymentForm.ascx.cs	26/10/2015 15:25	Visual C# Source f...	6 KB

5. CHECK *Payment methods* global inheritance within Store configuration:

There should be a new Sage Pay payment method available, configure the shipping options to include this payment method:

# B. Add/Update Pages for Sage Pay

1. ADD Sage Pay Payment Form web part to an existing/new page:

Here we have added a new page within Special pages section - this is reference from the Checkout wizard. We have added the SagePayPaymentForm web part here. Sage Pay registration process will occur within this web part and credit card details will show up within an iFrame.
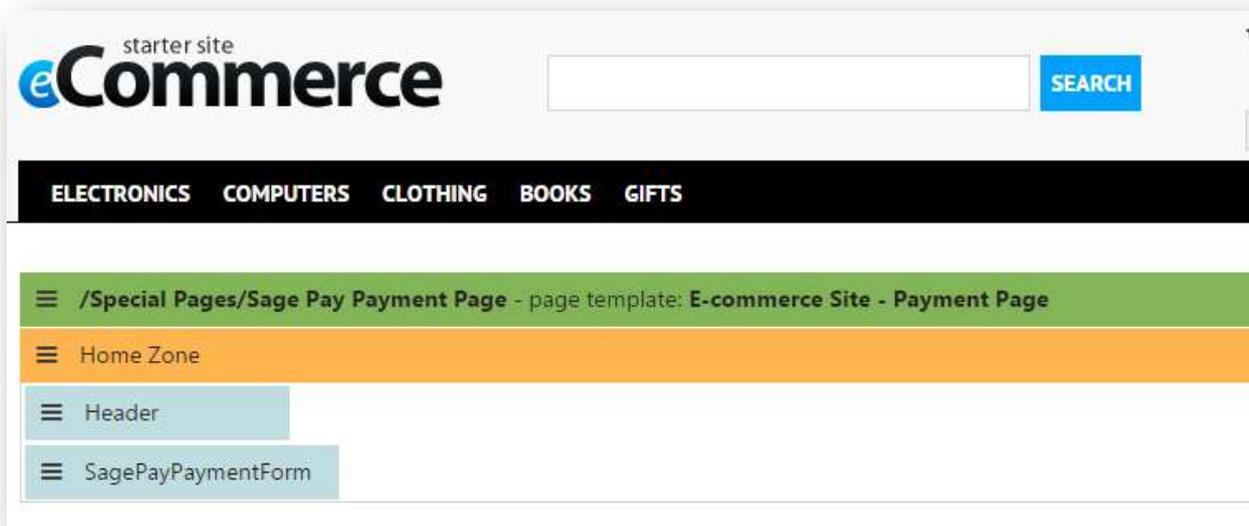
2. ADD Sage Pay Order Result Page:

Here we have added a new page – OrderResult.aspx within Special pages section. This page will be referenced from the Sage Pay settings. We have added the SagePayOrderResult web part here. After Sage Pay notification post (see below), customers will be redirected to this page and the SagePayOrderResult web part will process the information and show a summary of the order.
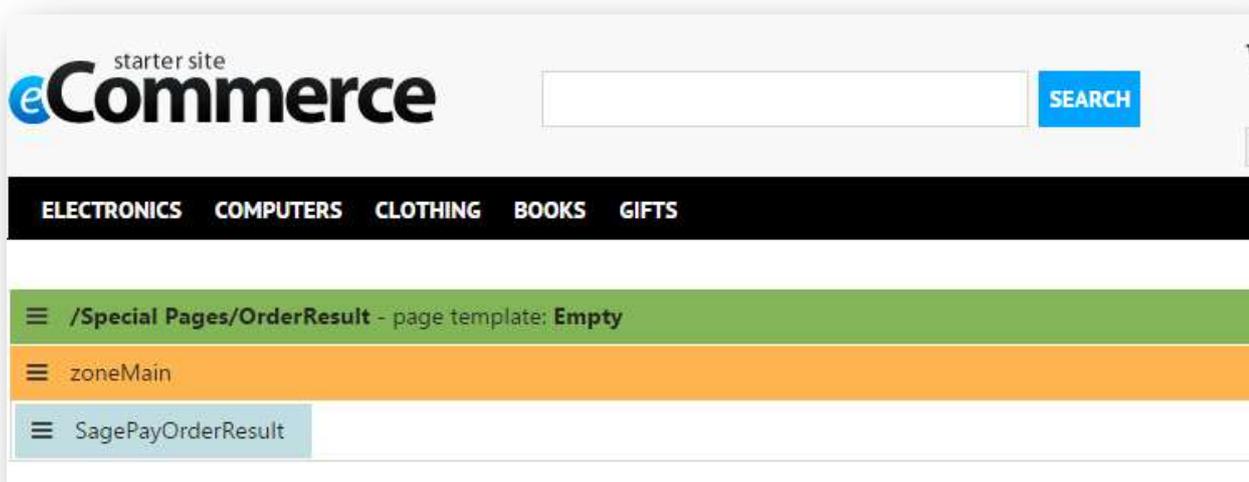
3. Sage Pay Notification Page

There is a third page used, which process the Sage Pay notification post. This page is located within the SagePay folder in the CMSModules folder. This page should be accessible from the internet on port 443 and is referenced from the Sage Pay settings. There is a web.config file at the same location, which disables user authentication. The website main domain name will be used to point to this page, so please make sure the domain name is configured correctly.

C. Configure the Checkout Process

## 1. UPDATE the checkout wizard

Here we'll configure the Wizard Manager which is shown below
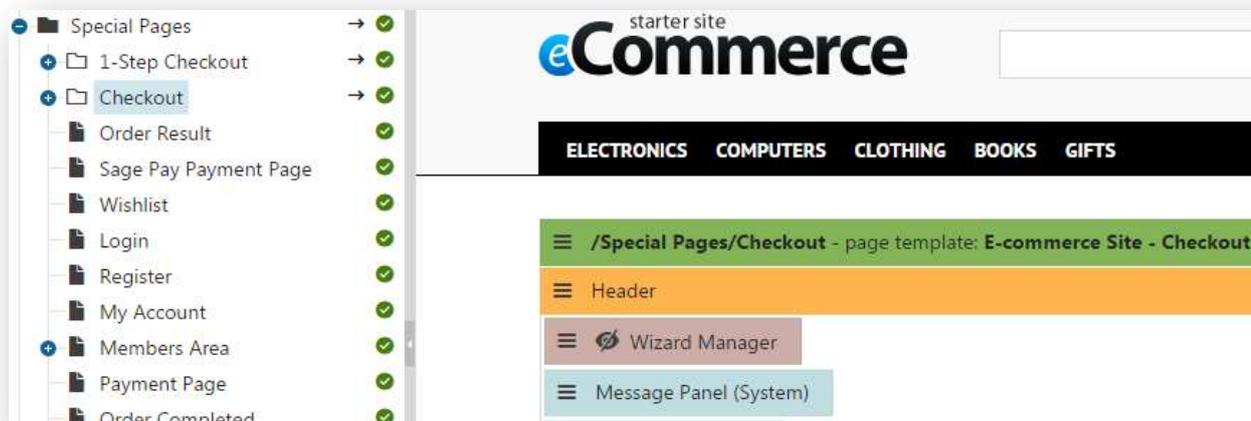
Change the Final step URL to the Sage Pay Payment Page
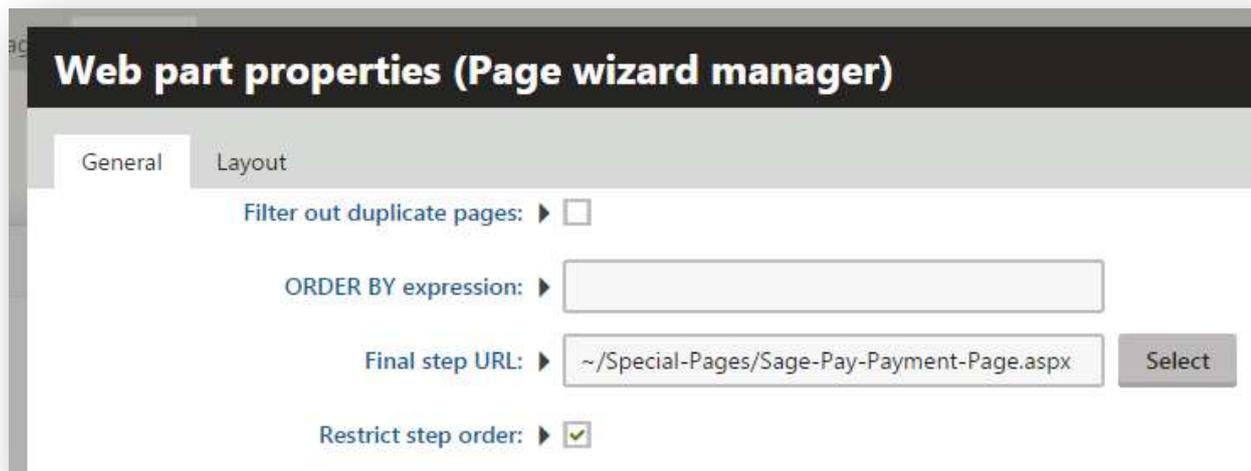
D. Update Settings

1. Sage Pay Settings

- Open Settings application -> E-commerce -> Payment gateways -> Sage Pay
- You'll need to acquire a Sage Pay merchant account and use it in the Vendor Name. This is crucial; please contact Sage Pay if you don't have one already.
- Update the Notify URL – location of the Sage Pay Notification Page (B.3), make sure this is accessible from the internet using the site domain name.
- Set Order Result Page (B.2) correctly, please makes sure this is accessible from the internet.
- Check Live Mode for Live site
- Check Token Mode which stores the customer card details in the Sage Pay servers and won't require the customer to enter card details for future payments; of course the customer can change cards.
- Proxy can be used if the Notification Page (B.3) cannot be accessed via a public IP/Domain name.

E. TLS Settings

SagePay requires TLS 1.2 for secure communications between the webserver and SagePay. This is not enabled by default in .NET Framework 4.5 for outgoing connections.

This can be enabled by adding the line:

"`System.Net.ServicePointManager.SecurityProtocol |= System.Net.SecurityProtocolType.Tls12;`"

This should be added in the initialisation code of the application, for example in the "Global()" method of global.asax.cs.

IIS will also have to allow TLS 1.2 for incoming connections. This is likely to be enabled by default, but this may vary based on the version of IIS and windows used. Documentation for enabling this can be found online.

F. Upgrading from a previous version

- The code files that previously existed in "App_Code\Global\SagePay" have been moved to a separate assembly. The "App_Code\Global\SagePay" directory and all contents should be deleted from your website to prevent conflicts.
  NB: In a Web Application, the directory "Old_App_Code\Global\SagePay" and contents should be deleted instead.
- The "SagePayNotificationPage.aspx" file in "CMS\CMSModules\SagePay" has been replaced with "SagePayNotificationPage.ashx". Please ensure the new file is present, and the web config located in the same folder has been updated to point to the new file. The old files can be safely removed.
- The "Payment gateway provider class" settings for the Payment Method have changed. Please ensure the settings in the Store Configuration application -> Payment Methods -> SagePay match the below

G. Troubleshooting

If Sage Pay not available during checkout

- Please make sure you have configured the Shipping method to include Sage Pay.

If using Web Application

1. Move all contents of the App_Code directory to Old_App_Code
2. Remove App_Code
3. Include the moved folder in the Solution
4. Clean and build the Solution
5. Clear browser cache and try the checkout again

If *"Please wait while your transaction is authorised with the bank."* -is displayed for too long or *"Unable to redirect to Vendor's web site. The Vendor failed to provide a RedirectionURL"* - error shown:

- Sage Pay cannot call the Notification Page – please make sure the site domain name is configured for internet access and the same domain is currently used. Make sure you can access the page directly.

If a page is shown within the payment page after entering payment details:

- Please configure Sage Pay Order Confirmation Url property correctly and make sure you can access the page.

If the payment page is 1.Not loading correctly, or, 2.Showing "SPPF-CCC-NullProvider", or, 3.Object moved here

1. Go to E-commerce -> Store configuration -> Payment methods -> Sage Pay (edit)
2. Set Payment gateway provider class = App_Code in the Assembly name and SagePayGateway in Class.
3. Save and try checkout again

If after entering the card details, you see an error from Sage Pay

- Please make sure your settings are correct within Settings -> Ecommerce -> Payment options

For any other issues

- Always check the Event logs for errors
- Check Sage Pay Transactions table for any transaction related issues, most helpful columns are Status and Status Detail.