

# Shift4

Use the values in the tables below to configure the **Shift4** payment provider/authorizer with the described settings.

## Authorizer

(The procedures for accessing and configuring these settings are described in [Add an Authorizer.](#))

Parameter	Value	Comments
<b>AUTHORIZER NAME</b>	Shift4	Can be any meaningful value.
<b>AUTHORIZER CODE</b>	Shift4	This value should exactly match the provider/authorizer Bean implementation. (Service Implementation Bean is a term used in Java Platform, Enterprise Edition, for a Java object implementing a Web service.) Do not change if you are not sure.
<b>SITE URL</b> Test: Production:	http://www.shift4.com/ http://www.shift4.com/	The field must be populated, but the value is not currently used. Any value is valid. Suggest using specified values for consistency/clarity.
<b>LOGIN URL</b> Test: Production:	Unique for each merchant Unique for each merchant	URL for payment processing. Must be obtained from Shift4. (The URL should be the same for all merchants within a single EDGE instance.)   Refer to the <a href="#">ConnectionURL</a> Authorization Info parameter for related information.
<b>CUSTOM URL 1</b>		Not used
<b>START DATE</b>	10/20/08	Effective date
<b>END DATE</b>		Ending date, as applicable. Can be empty.
<b>STATUS</b>	Active	Should be "Active" for the current provider. (Status of "New" is not recommended)

## Authorization Info

(The procedures for accessing and configuring these settings are described in [Add Authorization Info.](#))

Parameter	Value	Comments
<b>AUTHORIZER NAME</b>	Shift4	Match the value in the <b>Authorizer Name</b> field in the Authorizer parameters.
<b>AUTHORIZATION INFO CODE</b>	Shift4	Any meaningful value
<b>USER NAME</b>		Not used
<b>PASSWORD</b>		Not used
<b>EXTERNAL MERCHANT ID</b>		Not used
<b>TERMINALID</b>		Not used
<b>PAYMENT CH BIN</b>		Not used
<b>PAYMENT TOKENIZATION ENABLED</b>	Yes	Tokenization is supported. Must be "Yes"

<b>DOES AUTHORIZER SUPPORT MULTIPLE CAPTURE AGAINST SINGLE AUTHORIZATION?</b>	<b>Yes</b>	<i>Supports multiple captures against a single authorization. Must be "Yes"</i>
<b>START DATE</b>	<b>11/17/15</b>	<i>Effective date</i>
<b>END DATE</b>		<i>Ending date, as applicable. Can be empty.</i>
<b>CURRENCIES</b>	<i>By default, all available currencies are supported</i>	<i>Select from list of available currencies, as applicable. If empty, all currencies are considered to be supported.</i>
<b>ITEM TYPES</b>		<i>Select from a list of available catalog item types. (Optional)</i>  <i>With this parameter, authorizers can be set up to process payments using one or more specific catalog item types. Multiple authorization info configurations can be set up for one or more authorizers using different codes, each associated with a unique item type or item types. Order items can then be processed through the authorizer/authorizer code that is based on the item's corresponding type.</i>  <i>Item types are defined in <b>EDGE System Admin&gt;Catalog&gt;Item Types</b>.</i>
<b>PAYMENT TYPES</b>	<b>Credit Card</b>  <b>Gift Card</b>	<i>Both Credit Card and Gift Card processing are supported. Either or both Credit Card and/or Gift Card must be selected.</i>  <div style="border: 1px solid red; padding: 5px;"><b>!</b> <b>Important:</b>  When configuring for gift card support, if you want Shift4 to allow refunds to the same gift card used for the original payment, the merchant's Shift4 account must be set up to specify that a PIN is NOT required for a refund back to the original gift card. Contact Shift4 customer support for information or assistance.</div>
<b>DISABLE FRAUD DETECTION FOR ORDER SOURCES</b>		<i>Not Used</i>
<b>STATUS</b>	<b>Active</b>	<i>Should be "Active" for the current provider. (Status of "New" is not recommended)</i>

**Authorization Info Parameters**

The following Authorization Info parameters need to be configured for **Shift4** (unless specified as an "Optional parameter").

(The procedures for accessing and configuring these settings are described in [Configure Authorization Info Parameters](#).)

Parameter	Default Value	Comments
<b>ReceiptText Columns</b>	<b>80</b>	<i>Defines how many columns in a receipt.</i>
<b>AccessToken</b>	<i>Obtain directly from Shift4 or generate as described in comments &gt;</i>	<i>Optional parameter. Value can be obtained in either of two ways:</i> <ul style="list-style-type: none"> <li><i>Request and obtain value directly from Shift4. or</i></li> <li><i>Generate the AccessToken by sending an FRC CE query with <b>AuthToken</b> and <b>ClientGUID</b>.</i></li> </ul>
<b>ClientGUID</b>	<i>Obtain directly from Shift4</i>	<ul style="list-style-type: none"> <li><i>Required along with <b>AuthToken</b> in an FRC CE query to exchange for (generate) an Access Token.</i></li> <li><i>This field must be hard coded.</i></li> <li><i>The API Team will require the Client GUID to be changed for each certification.</i></li> <li><i>ClientGUID is also known as Application GUID (GUID = Globally Unique ID)</i></li> </ul>

<b>AuthToken</b>	<i>Obtain directly from Shift4</i>	<ul style="list-style-type: none"> <li>• Required along with <b>ClientGUID</b> in an FRC CE query to exchange for (generate) an Access Token.</li> <li>• The Auth Token issued for testing may be used more than once, but production Auth Tokens can only be used once.</li> <li>• Production Auth Tokens must be used within a time window configured by the merchant.</li> </ul>
<b>ValidAVS</b>	<b>false</b>	<p>Value can be <b>true</b> (enabled) or <b>false</b> (disabled).</p> <ul style="list-style-type: none"> <li>• When enabled, the results of an AVS (Address Verification System) verification will be accepted. (Simplified verification based on merchant configuration of accepted responses of "Y" if valid, "N" if not valid.)</li> <li>• When disabled, the results of the AVA verification will be ignored.</li> </ul>
<b>CVV2Valid</b>	<b>false</b>	<p>Value can be <b>true</b> (enabled) or <b>false</b> (disabled).</p> <ul style="list-style-type: none"> <li>• When enabled, the results of a CVV2 (Card Verification Value) verification will be accepted. (Simplified verification based on merchant configuration of accepted responses of "Y" if transaction matched, "N" if transaction did not match.)</li> <li>• When disabled, the results of the CVV2 verification will be ignored.</li> </ul>
<b>ConnectTimeout</b>	<b>65000</b>	<i>Connect timeout in milliseconds (ms).</i>
<b>ReadTimeout</b>	<b>65000</b>	<i>Read timeout in milliseconds (ms).</i>
<b>GetInvoiceInformationDelay</b>	<b>3000</b>	<i>Optional parameter. Delay for Get Invoice Information request. System parameter.</i>
<b>ConnectionURL</b>		<i>Optional parameter. When a value is provided, it overrides the <a href="#">Authorizer.LoginURL</a> value.</i>
<b>DoNotProcessTransaction</b>	<b>No</b>	<p><i>Optional parameter.</i></p> <p><i>For payment transactions that are for reporting purposes only. When "Yes," third parties that manage their own payments can send full transaction details upon order import so that EDGE can track the payments in an Order Details page or Payment Transactions report without actually processing any payments.</i></p> <p><i>Valid values:</i></p> <ul style="list-style-type: none"> <li>• <b>Yes</b> - a payment transaction WILL NOT be processed</li> <li>• <b>No</b> (default value) - a payment transaction WILL be processed</li> </ul>