

# TemplateManager (optional)

## "Optional" flag

Functions that are flagged as "optional" within Computop Analytics might not be enabled within Computop Analytics you are using. [Computop Sales](#) will be happy to enable these functions for you when necessary.

## Application Button

The button at the bottom allows you to jump to the corresponding page within the application. You must be logged in to jump to the corresponding page within the application.

## Introduction

Templates can be used to customize the payment forms available in Computop Paygate. There are three different payment forms available:

Form	Endpoint	Description
Hosted Payment Page	<a href="#">paymentpage.aspx</a>	The Hosted Payment Page displays all supported payment methods that are configured for your specific MerchantId.  In case of credit card payments the Credit Card Form is then finally used.
Credit Card Form	<a href="#">payssl.aspx</a>	The Credit Card Form is used to customize credit card payments via endpoint payssl.aspx.
Direct Debit Form	<a href="#">paysdd.aspx</a>	The Direct Debit Form is used to customize direct debit payments via endpoint paysdd.aspx.

## Computop Analytics

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## TemplateManager process

In the past in order to store your template it was necessary to:

- provide your template to [Computop Helpdesk](#)
- who did some syntax check of your template file
- who uploaded your template file to Computop Paygate
- informed you that upload has been completed and your template is now ready to use.

With our TemplateManager you are able to do this all on your own and nearly in real-time:

- upload your template file into TemplateManager
- the file is automatically scanned for syntax errors
- if check is ok the template file is distributed to the Computop Paygate web servers
- you can see the result in TemplateManager and you are automatically informed via email.

Details of process and scan results can be found below.

## Template requirements

### Some notes on specific requirements for usage of TemplateManager

- you can only upload template files for your own MerchantId
- if you want to provide templates for other MerchantIds you need to upload and pretest with your own MerchantId; then inform [Computop Helpdesk](#) that your template should be available for other merchants, too.
- the maximum size per template is limited to 5 MByte
- the template name and structure have to follow a pattern described below.

## Naming conventions

The template file itself is a ZIP file which has to follow this naming convention `TemplateYearMonthDayVersionMerchantID.zip` with:

Part	Description
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Template	Indicating that the file is a XSLT-Template										
YearMonth Day	Date of that file, please use current date in format yyyyymmdd, e.g. 20220128										
Version	<p>3 digit version number. The version number is not checked and not enforced to be in a sequence.</p> <p>For your own structure we recommend to use sequence numbers like this:</p> <table border="1"> <thead> <tr> <th>Version</th> <th></th> </tr> </thead> <tbody> <tr> <td>000 - 099</td> <td>for your own usage, no specific meaning</td> </tr> <tr> <td>100 - 199</td> <td>range used for Payment Page templates (i.e. templates for paymentpage.aspx)</td> </tr> <tr> <td>200 - 299</td> <td>range used for Credit Card templates (i.e. templates for payssl.aspx)</td> </tr> <tr> <td>300 - 399</td> <td>range used for Direct Debit templates (i.e. templates for paysdd.aspx)</td> </tr> </tbody> </table>	Version		000 - 099	for your own usage, no specific meaning	100 - 199	range used for Payment Page templates (i.e. templates for paymentpage.aspx)	200 - 299	range used for Credit Card templates (i.e. templates for payssl.aspx)	300 - 399	range used for Direct Debit templates (i.e. templates for paysdd.aspx)
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300 - 399	range used for Direct Debit templates (i.e. templates for paysdd.aspx)										
MerchantID	<p>This must be your own MerchantId, case-sensitive ! e.g. MyMerchantId – as displayed in Computop Analytics, e.g.:</p> 										
.zip	The template file must be packed as a ZIP file – without password, ...										

## Template Structure

You may add an additional text into your template to upload multiple templates for different purpose / usage. By this it is possible to have

- one set of templates for common use, e.g.
  - MerchantId\_PaymentPage.xml + xml
  - MerchantId\_PaySSL.xml + xml
  - MerchantId\_PaySDD.xml + xml
- specific set of templates for Pay By Link
  - MerchantId\_PayByLink\_PaymentPage.xml + xml
  - MerchantId\_PayByLink\_PaySSL.xml + xml
  - MerchantId\_PayByLink\_PaySDD.xml + xml

The ZIP-file has to contain this structure:

Filenames	Common directory structure						
<p><b>Payment Page template</b></p> <p>XSL-Template: <b>MerchantID_PaymentPage.xml</b>  XML-Textdatei: <b>MerchantID_PaymentPage.xml</b></p> <p>XSL-Template mit Freitext: <b>MerchantID_MyPurpose_PaymentPage.xml</b>  XML-Template mit Freitext: <b>MerchantID_MyPurpose_PaymentPage.xml</b></p>	<p>Each ZIP file has to use this directory structure:</p> <ul style="list-style-type: none"> <li>• /</li> <li>• ./</li> <li>• css/</li> <li>• images/</li> <li>• js/</li> <li>• paygate/</li> <li>• templates/</li> </ul> <p>Additionally a directory "data" can be used, e.g. to store translations.</p> <p>Top level:</p>						
<p><b>Credit Card template (PaySSL)</b></p> <p>XSL-Template: <b>MerchantID_PaySSL.xml</b>  XML-Textdatei: <b>MerchantID_PaySSL.xml</b></p> <p>XSL-Template mit Freitext: <b>MerchantID_MyPurpose_PaySSL.xml</b>  XML-Template mit Freitext: <b>MerchantID_MyPurpose_PaySSL.xml</b></p>	<p>Sub directory:</p> <table> <tbody> <tr> <td> TemplateTest_MyPurpose_PaySSL.xml</td> <td>25.01.2022 15:42</td> </tr> <tr> <td> TemplateTest_MyPurpose_PaySSL.xml</td> <td>25.01.2022 15:42</td> </tr> <tr> <td> images_MyPurpose_TemplateTest</td> <td>28.01.2022 09:56</td> </tr> </tbody> </table>	 TemplateTest_MyPurpose_PaySSL.xml	25.01.2022 15:42	 TemplateTest_MyPurpose_PaySSL.xml	25.01.2022 15:42	 images_MyPurpose_TemplateTest	28.01.2022 09:56
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 TemplateTest_MyPurpose_PaySSL.xml	25.01.2022 15:42						
 images_MyPurpose_TemplateTest	28.01.2022 09:56						

<b>Direct Debit template (PaySDD)</b>  XSL-Template: <b>Merch</b> <b>antID_PaySDD.xsl</b> XML-Textdatei: <b>Mercha</b> <b>ntID_PaySDD.xml</b>  XSL-Template mit Freitext: <b>Me</b> <b>rchantID_MyPurpose_PaySDD</b> <b>.xsl</b> XML-Template mit Freitext: <b>Me</b> <b>rchantID_MyPurpose_PaySDD</b> <b>.xml</b>	css	28.01.2022 09:56
	data	28.01.2022 09:56
	fonts	28.01.2022 09:56
	images	28.01.2022 09:56
	js	28.01.2022 09:56

### Template Security – allowed links and tokens

For security reasons links are only allowed to specific websites (e.g. to refer to terms and conditions, imprint, ...):

- computop.com
- visa.com
- mastercard.com

and these CData tokens are not allowed within XML, XSL:

- @
- <&
- data:
- document.write
- xmlhttprequest
- window.open

### Usage of TemplateManager

The template manager form looks like this:

The screenshot shows the TemplateManager interface with the following elements:

- 1**: Administration menu item.
- 2**: TemplateManager breadcrumb.
- 3**: Template-file upload button.
- 4**: Search and Filter button.
- 5**: Table header row.
- 6**: File name column.
- 7**: Portal column.
- 8**: Status column.

Time of upload	Last modified on	ID	Merchant	User Name	File name	Portal	Status
28/01/2022 10:35:28	28/01/2022 10:35:31	2420eede0bcb4d5490cfb57b7c64226a	TemplateTest	TemplateTest	Template20220128202TemplateTest.zip	Analytics	ScanOK

### Accessing TemplateManager

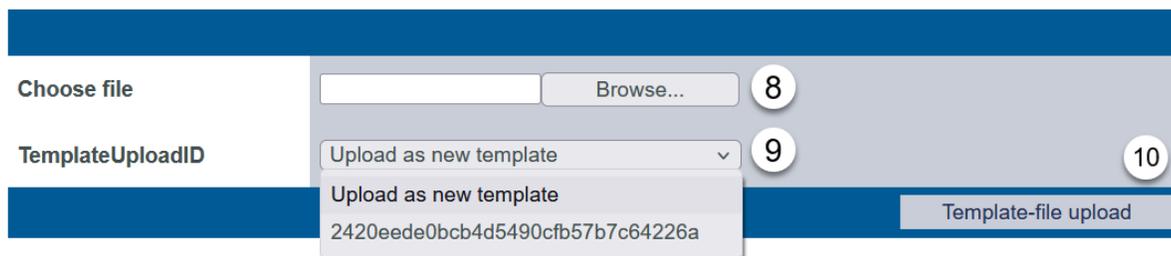
Select "Administration" (1) and "TemplateManager" (2) to see the TemplateManager form.

**i** your MerchantId and user needs specific permission

### Uploading new template

To upload a new template file pls. select "Template-file upload" (3).

### Template-file upload



Please select the desired template file (8) and select either the TemplateId you would like to override or add a new template (9). Finally confirm upload (10).

The template is uploaded and upload is confirmed with:

**Template20220128202TemplateTest.zip successfully uploaded.**  
**It will now be processed further and could take a few minutes to show up in the overview.**

The template is immediately scanned and displayed in the list of uploaded templates after pressing button "Search and Filter".

If scanning process detected an error you will see a message like this:

**Error while uploading Template20220128201TemplateTest.zip**

**FirstChecksNOK:**  
**- FIRSTCHECKS\_IMAGES\_FOLDER\_MISSING**

**Please check the template documentation for more information about the error codes.**

Further error messages can be found here: [TemplateManager error messages](#)

## Appendix

### Template Manager error messages

Classification	Scanning message	Cause	Advise
General	CONNECTION_ERROR	<ul style="list-style-type: none"> <li>Loss of internet connection</li> <li>Timeout while processing of template file</li> <li>Processing error</li> </ul>	<ul style="list-style-type: none"> <li>Please check internet connection and repeat upload</li> <li>If you still have issues, please contact <a href="#">Computop Helpdesk</a></li> </ul>
FirstChecks	FIRSTCHECKS_FILEEXTENSION_NOT_ALLOWED	<ul style="list-style-type: none"> <li>Template file is not a ZIP-file</li> </ul>	<ul style="list-style-type: none"> <li>Please pack your template directory as a ZIP-file - without password and upload new file</li> </ul>
	FIRSTCHECKS_FILESIZE_TOO_BIG	<ul style="list-style-type: none"> <li>Template file is too big</li> </ul>	<ul style="list-style-type: none"> <li>Please ensure that your template file is not larger than 5 MByte</li> </ul>
	FIRSTCHECKS_FILENAME_TOO_SHORT	<ul style="list-style-type: none"> <li>Template filename is too short</li> </ul>	<ul style="list-style-type: none"> <li>Please check filename of your template file, see <a href="#">Naming conventions</a></li> </ul>
	FIRSTCHECKS_VALUE_TEMPLATE_MISSING_IN_FILENAME	<ul style="list-style-type: none"> <li>Fixed value "Template" is missing in filename</li> </ul>	

	FIRSTCHECKS_VALUE_DATE_NOT_CORRECT_IN_FILENAME	<ul style="list-style-type: none"> <li>Value Date (format YYYYMMDD) is missing, has wrong format or does not match today's date.</li> </ul>	
	FIRSTCHECKS_VALUE_COUNTER_NOT_CORRECT_IN_FILENAME	<ul style="list-style-type: none"> <li>Value Counter (i.e. Version) is wrong or missing</li> </ul>	
	FIRSTCHECKS_VALUE_MERCHANTID_NOT_CORRECT_IN_FILENAME	<ul style="list-style-type: none"> <li>Value MID (i.e. MerchantId) is wrong or missing or does not match your own MerchantId</li> </ul>	
	FIRSTCHECKS_IMAGES_FOLDER_MISSING	<ul style="list-style-type: none"> <li>Folder "images" can not be found</li> </ul>	<ul style="list-style-type: none"> <li>Please check "image" folder of your template file, see <a href="#">Naming conventions</a></li> </ul>
	FIRSTCHECKS_FILE_STRUCTURE_NOT_CORRECT	<ul style="list-style-type: none"> <li>The XML or XSL file can not be found</li> </ul>	<ul style="list-style-type: none"> <li>Please check XML and XSL file of your template file, see <a href="#">Naming conventions</a></li> </ul>
Scan	SCAN_DATA_FIELD_MISSING	<ul style="list-style-type: none"> <li>The hidden field "Data" is missing in your XSL file</li> </ul>	<ul style="list-style-type: none"> <li>Please ensure that hidden field "Data" is present, see <a href="#">Corporate Paypage and Templates</a></li> </ul>
	SCAN_BASE_URLS_NOT_ALLOWED	<ul style="list-style-type: none"> <li>Tag "xml:base" is used – but not allowed</li> </ul>	<ul style="list-style-type: none"> <li>Please use fill links instead of Base-URL links within your template file</li> </ul>
	SCAN_SRC_NOT_ALLOWED	<ul style="list-style-type: none"> <li>Linking via "src" is used – but not allowed</li> </ul>	<ul style="list-style-type: none"> <li>Please remove the links</li> <li>If the links are absolutely required please contact <a href="#">Computop Helpdesk</a></li> </ul>
	SCAN_HREF_NOT_ALLOWED	<ul style="list-style-type: none"> <li>Linking via "href" is used – but not allowed</li> </ul>	
	SCAN_SCRIPT_SOURCE_NOT_ALLOWED	<ul style="list-style-type: none"> <li>Script file is not found or referenced from external source</li> </ul>	<ul style="list-style-type: none"> <li>Please ensure that the script file location is correct (see <a href="#">Naming conventions</a>) and not referenced /included from external location</li> </ul>
	SCAN_SUSPICIOUS_TOKENS_IN_XSL_FILE_FOUND	<ul style="list-style-type: none"> <li>Suspicious tokens have been found in XSL file</li> </ul>	<ul style="list-style-type: none"> <li>Please ensure not to use forbidden tokens (see <a href="#">Naming conventions</a>)</li> </ul>
	SCAN_SUSPICIOUS_TOKENS_IN_XML_FILE_FOUND	<ul style="list-style-type: none"> <li>Suspicious tokens have been found in XML file</li> </ul>	<ul style="list-style-type: none"> <li>Please ensure not to use forbidden tokens (see <a href="#">Naming conventions</a>)</li> </ul>
	SCAN_XML_FILE_INVALID	<ul style="list-style-type: none"> <li>The XML structure is invalid</li> </ul>	<ul style="list-style-type: none"> <li>Please ensure that the XML-/XSL-file are syntactically valid, see <a href="https://www.w3.org/">https://www.w3.org/</a></li> </ul>
	SCAN_XSL_FILE_INVALID	<ul style="list-style-type: none"> <li>The XSL structure is invalid</li> </ul>	
	SCAN_TRANSFORMATION_FAILED	<ul style="list-style-type: none"> <li>An error occurred while transforming from XML/XSL to XSLT because XML and/or XSL file are not valid</li> </ul>	
Distribute	DISTRIBUTE_TEMPLATE_UPLOAD_FAILED	<ul style="list-style-type: none"> <li>An error occurred while distributing file within Computop Paygate cluster</li> </ul>	<ul style="list-style-type: none"> <li>If you still see this issue, please contact <a href="#">Computop Helpdesk</a></li> </ul>