# **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.

### 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	paymentpa ge.aspx	The Hosted Payment Page displays all supported paymethods that are configured for your specific Merchantld.  In case of credit card payments the Credit Card Form is then finally used.
Credit Card Form	payssl.aspx	The Credit Card Form is used to customize credit card payments via endpoint payssl.aspx.
Direct Debit Form	paysdd. aspx	The Direct Debit Form is used to customize direct debit payments via endpoint paysdd.aspx.

## 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 Merchantld
- if you want to provide templates for other Merchantlds you need to upload and pretest with your own Merchantld; 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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#### **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.

#### Computop Analytics

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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 yyyymmdd, e.g. 20220128				
Version	3 digit version number. The version number is not checked and not enforced to be in a sequence.  For your own structure we recommend to use sequence numbers like this:				
	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)			
MerchantID	This must be your own Merchantld, case-sensitive! e.g. MyMerchantld – as displayed in Computop Analytics, e.g.:				
	Legout User:   Merchant: TemplateTest				
.zip	The template file must be packed as a ZIP file – without password,				

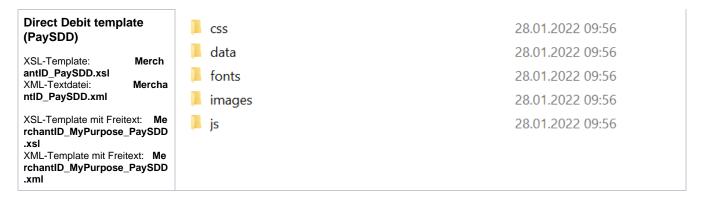
## **Template Structure**

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.xsl + xml
   MerchantId\_PaySSL.xsl + xml
   MerchantId\_PaySDD.xsl + xml
   MerchantId\_PaySDD.xsl + xml
   Specific set of templates for Pay By Link
   MerchantId\_PayByLink\_PaymentPage.xsl + xml
   MerchantId\_PayByLink\_PaySSL.xsl + xml
   MerchantId\_PayByLink\_PaySDD.xsl + xml

The ZIP-file has to contain this structure:

Filenames	Common directory structure		
Payment Page template	Each ZIP file has to use this directory structure:		
XSL-Template: Merch antiD_PaymentPage.xsl XML-Textdatei: Mercha ntiD_PaymentPage.xml  XSL-Template mit Freitext: Me rchantiD_MyPurpose_Paymen tPage.xsl XML-Template mit Freitext: Me rchantID_MyPurpose_Paymen tPage.xml	<ul> <li>/</li></ul>		
Credit Card template (PaySSL)	TemplateTest_MyPurpose_PaySSL.xsl	25.01.2022 15:42	
XSL-Template: Merch	TemplateTest_MyPurpose_PaySSL.xml	25.01.2022 15:42	
antID_PaySSL.xsI XML-Textdatei: Mercha ntID_PaySSL.xml	images_MyPurpose_TemplateTest	28.01.2022 09:56	
XSL-Template mit Freitext: Me rchantID_MyPurpose_PaySSL. xsl XML-Template mit Freitext: Me rchantID_MyPurpose_PaySSL. xml	Sub directory:		



## 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, ...):

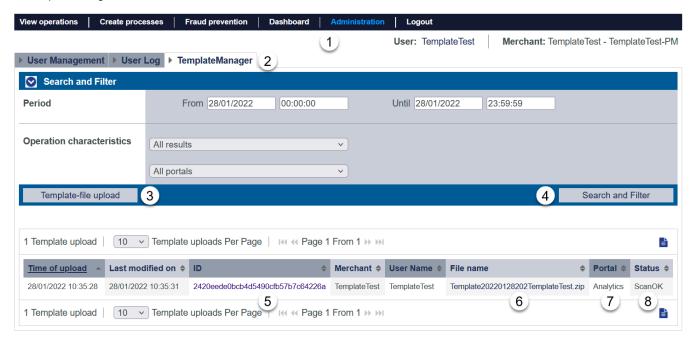
- · computop.com
- visa.com
- mastercard.com

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:



### **Accessing TemplateManager**

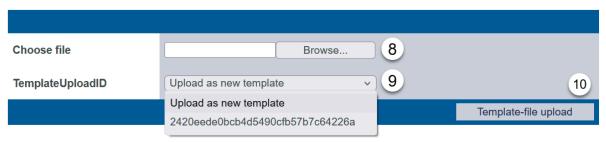
Select "Administration" (1) and "TemplateManager" (2) to see the TemplateManager form.

1 your Merchantld 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> <li>Loss of internet connection</li> <li>Timeout while processing of template file</li> <li>Processing error</li> </ul>	Please check internet connection and repeat upload If you still have issues, please contactComputop Helpdesk
FirstChecks	FIRSTCHECKS_FILEEXTENS ION_NOT_ALLOWED	Template file is not a ZIP-file	Please pack your template directory as a ZIP-file - without password and upload new file
	FIRSTCHECKS_FILESIZE_TO _BIG	Template file is too big	Please ensure that your template file is not larger than 5 MByte
	FIRSTCHECKS_FILENAME_T O_SHORT	Template filename is too short	Please check filename of your template file, see Nami ng conventions
	FIRSTCHECKS_VALUE_TEM PLATE_MISSING_IN_FILENA ME	Fixed value "Template" is missing in filename	

	FIRSTCHECKS_VALUE_DAT E_NOT_CORRECT_IN_FILEN AME	<ul> <li>Value Date (format YYYYMMDD) is missing, has wrong format or does not match todays date.</li> </ul>		
	FIRSTCHECKS_VALUE_COU NTER_NOT_CORRECT_IN_FI LENAME	Value Counter (i.e. Version) is wrong or missing		
	FIRSTCHECKS_VALUE_MID_ NOT_CORRECT_IN_FILENA ME	<ul> <li>Value MID (i.e. Merchantld) is wrong or missing or does not match your own Merchantld</li> </ul>		
	FIRSTCHECKS_IMAGES_FO LDER_MISSING	Folder "images" can not be found	Please check "image" folder of your template file, see Naming conventions	
	FIRSTCHECKS_FILE_STRUC TURE_NOT_CORRECT	The XML or XSL file can not be found	Please check XML and XSL file of your template file, see Naming conventions	
Scan	SCAN_DATA_FIELD_MISSING	The hidden field "Data" is missing in your XSL file	Please ensure that hidden field "Data" is present, see Corporate Paypage und Templates	
	SCAN_BASE_URLS_NOT_AL LOWED	Tag "xml:base" is used – but not allowed	Please use fill links instead of Base-URL links within your template file	
	SCAN_SRC_NOT_ALLOWED	Linking via "src" is used – but not allowed	<ul> <li>Please remove the links</li> <li>If the links are absolutely required please contact Co</li> </ul>	
	SCAN_HREF_NOT_ALLOWED	Linking via "href" is used – but not allowed	putop Helpdesk	
	SCAN_SCRIPT_SOURCE_NO T_ALLOWED	Script file is not found or referenced from external source	Please ensure that the script file location is correct (see Naming conventions) and not referenced /included from external location	
	SCAN_SUSPICIOUS_TOKEN S_IN_XSL_FILE_FOUND	Suspicious tokens have been found in XSL file	Please ensure not to use forbidden tokens (see Namin g conventions)	
	SCAN_SUSPICIOUS_TOKEN S_IN_XML_FILE_FOUND	Suspicious tokens have been found in XML file	Please ensure not to use forbidden tokens (see Namin g conventions)	
	SCAN_XML_FILE_INVALID	The XML structure is invalid	Please ensure that the XML-/XSL-file are syntactically valid, see https://www.w3.org/	
	SCAN_XSL_FILE_INVALID	The XSL structure is invalid	_	
	SCAN_TRANSFORMATION_F AILED	<ul> <li>An error occured while transforming from XML/XSL to XSLT because XML and/or XSL file are not valid</li> </ul>		
Distribute	DISTRIBUTE_TEMPLATE_UP LOAD_FAILED	An error occured while distributing file within Computop Paygate cluster	If you still see this issue, please contact Computop Helpdesk	