TemplateManager (optional)

> ℹ️ **"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.

> ℹ️ **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	paymentpage.aspx	The Hosted Payment Page displays all supported paymethods that are configured for your specific MerchantId. 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

> ℹ️ **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

Template	Indicating that the file is a XSLT-Template
YearMonthDay	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 MerchantId, case-sensitive ! e.g. MyMerchantId – as displayed in Computop Analytics, e.g.: Logout User: [redacted] Merchant: TemplateTest - [redacted]
.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
- 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 XSL-Template: **MerchantID_PaymentPage.xsl** XML-Textdatei: **MerchantID_PaymentPage.xml** XSL-Template mit Freitext: **MerchantID_MyPurpose_PaymentPage.xsl** XML-Template mit Freitext: **MerchantID_MyPurpose_PaymentPage.xml** **Credit Card template (PaySSL)** XSL-Template: **MerchantID_PaySSL.xsl** XML-Textdatei: **MerchantID_PaySSL.xml** XSL-Template mit Freitext: **MerchantID_MyPurpose_PaySSL.xsl** XML-Template mit Freitext: **MerchantID_MyPurpose_PaySSL.xml**	Each ZIP file has to use this directory structure: - **/** - **./** - **css/** - **images/** - **js/** - **paygate/** - **templates/** Additionally a directory "data" can be used, e.g. to store translations. Top level: TemplateTest_MyPurpose_PaySSL.xsl 25.01.2022 15:42 TemplateTest_MyPurpose_PaySSL.xml 25.01.2022 15:42 images_MyPurpose_TemplateTest 28.01.2022 09:56 Sub directory:

Direct Debit template (PaySDD)			
XSL-Template: **MerchantID_PaySDD.xsl**	📁 css	28.01.2022 09:56	
XML-Textdatei: **MerchantID_PaySDD.xml**	📁 data	28.01.2022 09:56	
	📁 fonts	28.01.2022 09:56	
XSL-Template mit Freitext: **MerchantID_MyPurpose_PaySDD.xsl**	📁 images	28.01.2022 09:56	
XML-Template mit Freitext: **MerchantID_MyPurpose_PaySDD.xml**	📁 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:

Accessing TemplateManager

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

ℹ️ 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

Choose file	[ ] Browse...	⑧	
TemplateUploadID	Upload as new template ⌄	⑨	⑩
	Upload as new template		
	2420eede0bcb4d5490cfb57b7c64226a		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	• Loss of internet connection • Timeout while processing of template file • Processing error	• Please check internet connection and repeat upload • If you still have issues, please contactComputop Helpdesk
FirstChecks	FIRSTCHECKS_FILEEXTENSION_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_TO_SHORT	• Template filename is too short	• Please check filename of your template file, see Naming conventions
	FIRSTCHECKS_VALUE_TEMPLATE_MISSING_IN_FILENAME	• Fixed value "Template" is missing in filename	

	FIRSTCHECKS_VALUE_DAT E_NOT_CORRECT_IN_FILEN AME	• Value Date (format YYYYMMDD) is missing, has wrong format or does not match todays date.	
	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	• Value MID (i.e. MerchantId) is wrong or missing or does not match your own MerchantId	
	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	• Please remove the links • If the links are absolutely required please contact Com putop Helpdesk
	SCAN_HREF_NOT_ALLOWED	• Linking via "href" is used – but not allowed	
	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	• An error occured while transforming from XML/XSL to XSLT because XML and/or XSL file are not valid	
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