

Platform – Methods

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Overview

This document contains technical details about every method available through the Printfection API. It contains information about the permissions required to run each method, the possible parameters, and example responses. The following are a list of requirements when making a call to the API.

- Every call to the API should be formatted in REST. See this document for more information about REST: http://en.wikipedia.org/wiki/Representational_State_Transfer.
 - This means all calls should be sent using HTTP GET or HTTP POST requests.
- The base URL for every API call, aside from uploading images, is:
<http://api.printfection.com/restserver.php>
- The base URL for uploading images is: http://upload.printfection.com/api_upload.php

Users should read the *Authentication* and *Permissions* documents before using the methods listed in this document.

Method Responses

Every method is assumed not to support partial success unless otherwise specified. Methods which do not support partial success will either return the ID of the newly created object within the element named for the type of ID returned or a method error.

Methods which do support partial success will return either an error or 'OK' within each parameter's element in the response.

See the *Errors* document for a more in-depth explanation of errors.

Global Parameters

Description

The parameters here can be sent with any method request listed in this document. Options required here are required on every method listed in this document.

* Parameters marked with a star are not required or optional when calling 'auth' methods unless specified by the 'auth' method.

Parameters

Name	Type	Required/ Optional	Description
api_key	string	required	The API key associated with the calling application.
session_key*	string	required	The session key of the account the application wants to access.
api_sig	string	required	The signature of the current request described in the Authentication

			document.
version	float	required	This should always be set to 1.0.
method	string	required	This is the name of the method to call.
response_format	string	optional	Currently the only possible format is XML which is the default.

Auth

Printfection.Auth.createToken

Description

Only desktop applications should call this function. This creates an auth_token so desktop applications can send the auth_token as a parameter when the user logs in. Once the user authorizes the application on Printfection's website and tells the application they've authorized it the application can then lookup the session_key in the sessions table. The auth_token expires 30 minutes after it is created.

Required Permission

None

Parameters

Only the global parameters are used.

Example XML Response

```
<?xml version="1.0" encoding="UTF-8"?>
<printfection_response>
  <Auth_createToken>
    <auth_token>50b83f51f57ef9025da83255fd6998d9</auth_token>
  </Auth_createToken>
</printfection_response>
```

Printfection.Auth.getSession

Description

Immediately after a user authenticates an application the application should call this function to retrieve the session_key. This session_key is then used to make all subsequent requests to the API.

Required Permission

None

Parameters

Name	Type	Required/ Optional	Description
auth_token	string	required if the custid is not	This is the auth_token returned either by printfection.auth.createToken or as

		specified	a parameter in the post authorization URL for web applications.
custid	int	required if the auth_token is not specified	The ID of a customer who has a valid session with this application.

Example XML Response

```
<?xml version="1.0" encoding="UTF-8"?>
<printfection_response>
  <Auth_getSession>
    <session_key>d9b8e39b2e311039-154875</session_key>
  </Auth_getSession>
</printfection_response>
```

Printfection.Auth.deleteSession

Description

This method allows an application to delete a session. This is a good way to force a user to authenticate an application again allowing the application to ask for different permissions.

Required Permission

None

Parameters

Name	Type	Required/ Optional	Description
session_key	string	required	The session key to delete.

Example XML Response

```
<?xml version="1.0" encoding="UTF-8"?>
<printfection_response>
  <Auth_deleteSession>OK</Auth_deleteSession>
</printfection_response>
```

PFQL

Printfection.PFQL.query

Description

This method runs a query using the PF Query Language. This is how most information is pulled from Printfection. See the PFQL document for a more detailed description of this method.

Required Permission

Depends on the table and data.

Parameters

Name	Type	Required/ Optional	Description
query	string	required	The PF Query to run.

Example Responses

See the PFQL document for responses based on calls made to each PFQL table.

Images

Printfection.Images.upload

Description

Uploads an image into an image set. This must be a POST request to:

http://upload.printfection.com/api_upload.php. Note that the actual image data **should not** be included in the signature. This method does support partial success for optional parameters.

Required Permission

write access to the image set the image will be uploaded to.

Parameters

Name	Type	Required/ Optional	Description
N/A	data	required	The actual file data to upload. Only one file can be uploaded at a time. The file should NOT be included in the signature.
name	string min 1 char max 255 chars	required	The name of the image.
imagesetid	int	required	The ID of the image set the image exists in. The application must have write access to this image set. If the imagesetid is invalid or the correct permissions have not been given to the application then the upload will fail.
keywords	string max 255 chars	optional	A comma separated list of keywords.

Example Request

If you're creating the POST request manually it should look like this. All line endings must be '\r\n' instead of just '\n'. Notice after each Content-Disposition line you should print '\r\n\r\n'. Everything below the Content-Length line should be included when calculating the Content-Length.

```
POST /api_upload.php HTTP/1.1
Content-Type: multipart/form-data; boundary=myBoundary8762xd
Host: upload.printfection.com
Content-Length: 15866

--myBoundary8762xd
Content-Disposition: form-data; name="api_key"

e7df785bff36a3c159108170f2b642b4
--myBoundary8762xd
Content-Disposition: form-data; name="session_key"

83f3d6ff0f648334-1
--myBoundary8762xd
Content-Disposition: form-data; name="response_format"

xml
--myBoundary8762xd
Content-Disposition: form-data; name="version"

1.0
--myBoundary8762xd
Content-Disposition: form-data; name="method"

printfection.images.upload
--myBoundary8762xd
Content-Disposition: form-data; name="name"

My Image
--myBoundary8762xd
Content-Disposition: form-data; name="imagesetid"

50012
--myBoundary8762xd
Content-Disposition: form-data; name="keywords"

My Keywords
--myBoundary8762xd
Content-Disposition: form-data; name="api_sig"

4ca0e771c70d04cd22713d03be26907f
--myBoundary8762xd
Content-Disposition: form-data; filename="image.jpg"
Content-Type: image/jpeg

{RAW DATA}
--myBoundary8762xd--
```

Example XML Response

```
<?xml version="1.0" encoding="UTF-8"?>
<printfection_response>
  <Images_upload>
    <imageid>2487672</imageid>
    <keywords>OK</keywords>
  </Images_upload>
</printfection_response>
```

Printfection.Images.set

Description

Sets attributes for a specific image.

Required Permission

write access to the image set this image belongs to. If moving an image between image sets the new image set must have at least write access but cannot have more access than the current image set. This method does support partial success for optional parameters.

Parameters

Name	Type	Required/Optional	Description
imageid	int	required	The ID of the image to set information for.
imagesetid	int	optional	The ID of the image set this image is associated with.
name	string min 1 chars max 50 chars	optional	The name of the image.
keywords	string max 255 chars	optional	A comma separated list of keywords for this image. This will replace all of the current keywords.
background_rootcolorid	int	optional	The ID of the color to set as the background for this image.

Example XML Response

```
<?xml version="1.0" encoding="UTF-8"?>
<printfection_response>
  <Images_set>
    <name>OK</name>
    <keywords>OK</keywords>
    <imagesetid>OK</imagesetid>
    <background_rootcolorid>OK</background_rootcolorid>
  </Images_set>
</printfection_response>
```

Printfection.Images.delete

Description

This method deletes an image. All products which use this image must be deleted before this image can be deleted. All stores which use this image as their logo must remove their logo first. All sections which use this image as their section image must remove their section image first.

Required Permission

delete access to the image set this image resides in.

Parameters

Name	Type	Required/ Optional	Description
imageid	int	required	The ID of the image to delete.

Example XML Response

```
<?xml version="1.0" encoding="UTF-8"?>
<printfection_response>
  <Images_delete>OK</Images_delete>
</printfection_response>
```

ImageSets

Printfection.ImageSets.create

Description

This creates a new image set in a user's account. The application will be given delete access to this set. The preview image can only be set after the image set is created as an image must exist in the image set in order to be used as the preview image.

Required Permission

write access for the add_image_set permission on a user's account.

Parameters

Name	Type	Required/ Optional	Description
name	string min 1 char max 50 chars	required	The name of the image set.

Example XML Response

```
<?xml version="1.0" encoding="UTF-8"?>
<printfection_response>
  <ImageSets_create>
```

```
<imagesetid>11847</imagesetid>
</ImageSets_create>
</printfection_response>
```

Printfection.ImageSets.set

Description

Sets specific information about the image set. This method does support partial success for optional parameters.

Required Permission

write access for this specific image set.

Parameters

Name	Type	Required/ Optional	Description
imagesetid	int	required	The ID of the image set to set information for.
name	string min 1 char max 50 chars	optional	The name of the image set.
imageid (should change to preview_imageid)	int	optional	The ID of the image to use as the preview image for this set. This image must exist within the image set. Set this to '0' to remove the preview image.

Example XML Response

```
<?xml version="1.0" encoding="UTF-8"?>
<printfection_response>
  <ImageSets_set>
    <name>OK</name>
    <imageid>OK</imageid>
  </ImageSets_set>
</printfection_response>
```

Printfection.ImageSets.delete

Description

This deletes an image set. All images will move to the 'unorganized' set whether this application has access to the 'unorganized' set or not.

Required Permission

delete access for this specific image set.

Parameters

Name	Type	Required/ Optional	Description
imagesetid	int	required	The ID of the image set to delete.

Example XML Response

```
<?xml version="1.0" encoding="UTF-8"?>
<printfection_response>
  <ImageSets_delete>OK</ImageSets_delete>
</printfection_response>
```

RootProducts

Printfection.RootProducts.getPrice

Description

Returns the base price of a root product without commission.

Required Permission

read access to root products

Parameters

Name	Type	Required/ Optional	Description
rootid	int	required	The ID of the root product.
rootcolorid	int	required	The global color ID.
rootsizeid	int	required	The global ID of the size. This can be ignored if the root product does not have any sizes.
qty	int	required	The quantity to be purchased.
num_sides_customized	int	required	The number of sides customized. This must be at least one as every product must have at least one side customized.

Example XML Response

This is the price for a root product. It includes the extra pricing associated to sizing and takes the quantity into account to select the correct price range.

```
<?xml version="1.0" encoding="UTF-8"?>
<printfection_response>
  <RootProducts_getPrice>
    <price>17.99</price>
  </RootProducts_getPrice>
</printfection_response>
```

Products

Printfection.Products.create

Description

This method creates a product. An image must be applied to at least one side of the product. This method does not support partial success. Either the product is created and every attribute was set correctly or the whole method fails.

Required Permission

write access to the store this product resides in.

Parameters

Name	Type	Required/ Optional	Description
rootid	int	required	The ID of the root product to create this product from.
sectionid	int	required	The ID of the section to put this product into.
rootcolorids	list (int)	required	A comma separated list of color IDs for this products.
specs	string	required	A JSON-serialized array which holds the specs for each side of the product. At least one side must be specified
SPECS: side	int	required	The side these specs apply to. The sides start at 0 which is the front. Currently we only have sides 0 (front) and 1 (back). All products have side 0 but they may not have side 1. If side 1 is specified but the product does not have a side 1 then the side will be ignored.
SPECS: imageid	int	required	The image ID for this side of the products.
SPECS: position	int	optional	The position on the root product to use.
SPECS: center_percent_x	float	optional	The percent from the top of the position to the center of the image. 10% is sent as .1
SPECS: center_percent_y	float	optional	The percent from the left of the position to the center of the image. 55% is sent as .55
SPECS: rotation	int Possible Values: 0,90,180,270	optional	The rotation of the image.

SPECS: height	float	optional	The height in inches of the image after rotation.
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Example XML Response

```
<?xml version="1.0" encoding="UTF-8"?>
<printfection_response>
  <Products_create>
    <productid>336479</productid>
  </Products_create>
</printfection_response>
```

Printfection.Products.set

Description

Sets general attributes for a product. This method does support partial success for optional parameters.

Required Permission

write access to the store this product resides in. If changing sections then the new section must have at least write access but cannot have more access than the current section. Section permissions are based on the permissions of the store it resides in.

Parameters

Name	Type	Required/Optional	Description
productid	int	required	The ID of the product to update.
title	string min 1 char max 255 chars	optional	This is the title of the product. The title cannot be blank.
description	string max 255 chars	optional	The description of the product
primary_rootcolorid	int	optional	The ID of the primary color of the product.
primary_productsideid	int	optional	The ID of the primary side of the product.
commission	float	optional	A JSON-serialized array which can set the commission for all ranges of a product. A range is chosen during checkout based on the number of products ordered.
COMMISSION: range	int min 1 max 7	required	The range number can be 1-7. All products have range 1. Products may have up to 7 ranges. If a range does not exist for a product it will be ignored. (See the root_product_pricing_ranges PFQL

			table for range information)
COMMISSION: price	float min 0 max 50	required	The price to set the commission to for this range.
product_order	int	optional	This is the order or sequence a product will be displayed in, in a section.
sectionid	int	optional	The ID of the section this product belongs to. This must always be a valid section.

Example XML Response

```
<?xml version="1.0" encoding="UTF-8"?>
<printfection_response>
  <Products_set>
    <title>OK</title>
    <description>OK</description>
    <product_order>OK</product_order>
    <sectionid>OK</sectionid>
    <commission>
      <commission_1>OK</commission_1>
      <commission_2>OK</commission_2>
      <commission_3>OK</commission_3>
      <commission_4>OK</commission_4>
      <commission_5>
        <error>
          <code>18</code>
          <description>Unable to update data.</description>
        </error>
      </commission_5>
      <commission_6>OK</commission_6>
      <commission_7>OK</commission_7>
    </commission>
    <primary_rootcolorid>OK</primary_rootcolorid>
  </Products_set>
</printfection_response>
```

Printfection.Products.addColor

Description

This method adds a specific color to a product.

Required Permission

write access to the store the product resides in.

Parameters

Name	Type	Required/ Optional	Description
------	------	--------------------	-------------

productid	int	required	The ID of the product to add the color to.
rootcolorid	int	required	The global ID of the color to add to this product.

Example XML Response

```
<?xml version="1.0" encoding="UTF-8"?>
<printfection_response>
  <Products_addColor>OK</Products_addColor>
</printfection_response>
```

Printfection.Products.removeColor

Description

This method removes a color from a product. Every product must have at least one color associated to it.

Required Permission

delete access to the store the product resides in.

Parameters

Name	Type	Required/ Optional	Description
productid	int	required	The ID of the product to remove the color from.
rootcolorid	int	required	The global ID of the color to remove from this product.

Example XML Response

```
<?xml version="1.0" encoding="UTF-8"?>
<printfection_response>
  <Products_removeColor>OK</Products_removeColor>
</printfection_response>
```

Printfection.Products.delete

Description

This method deletes a product.

Required Permission

delete access to the store the product resides in.

Parameters

Name	Type	Required/ Optional	Description
------	------	--------------------	-------------

productid	int	required	The ID of the product to delete.
------------------	-----	----------	----------------------------------

Example XML Response

```
<?xml version="1.0" encoding="UTF-8"?>
<printfection_response>
  <Products_delete>OK</Products_delete>
</printfection_response>
```

Printfection.Products.getPricing

Description

This method returns all pricing ranges for a specific color of a product.

Required Permission

read access to the store which the product resides in

Parameters

Name	Type	Required/ Optional	Description
productid	int	required	The ID of the product.
rootcolorid	int	required	The global color ID.
range	int	optional	The range number for this root product.

Example XML Response

The price element does include the commission but does not include extra pricing associated to sizing.

```
<?xml version="1.0" encoding="UTF-8"?>
<printfection_response>
  <Products_getPricing>
    <range>
      <range>1</range>
      <price>23.99</price>
      <commission>2.00</commission>
    </range>
    <range>
      <range>2</range>
      <price>22.99</price>
      <commission>2.00</commission>
    </range>
    <range>
      <range>3</range>
      <price>21.49</price>
      <commission>2.00</commission>
    </range>
    <range>
      <range>4</range>
```

```

    <price>20.49</price>
    <commission>2.00</commission>
  </range>
  <range>
    <range>5</range>
    <price>17.49</price>
    <commission>0.00</commission>
  </range>
  <range>
    <range>6</range>
    <price>18.99</price>
    <commission>2.50</commission>
  </range>
  <range>
    <range>7</range>
    <price>17.49</price>
    <commission>2.00</commission>
  </range>
</Products_getPricing>
</printfection_response>

```

Printfection.Products.getPrice

Description

Returns the final price a customer will pay for a specific product.

Required Permission

read access to the store the product resides in

Parameters

Name	Type	Required/ Optional	Description
productid	int	required	The ID of the product.
rootcolorid	int	required	The global color ID.
rootsizeid	int	required	The global ID of the size. This can be ignored if the root product does not have any sizes.
qty	int	required	The quantity to be purchased.

Example XML Response

This is the price per product. It includes the commission and extra pricing associated to sizing and takes the quantity into account to select the correct pricing range.

```

<?xml version="1.0" encoding="UTF-8"?>
<printfection_response>
  <Products_getPrice>
    <price>25.99</price>
  </Products_getPrice>
</printfection_response>

```

```
</Products_getPrice>
</printfection_response>
```

Products.Sides

Printfection.Products.Sides.set

Description

This method sets specific information about the side of a product.

Required Permission

write access to the store this product resides in

Parameters

Name	Type	Required/ Optional	Description
productsideid	int	required	The ID of the side.
vertical	bool	optional	Set to true if this side should be shown vertically. Used for products like cutting boards and mouse pads where the entire root product rotates vertically.

Example XML Response

```
<?xml version="1.0" encoding="UTF-8"?>
<printfection_response>
  <Products_Sides_set>OK</Products_Sides_set>
</printfection_response>
```

Products.Sides.Layers

Printfection.Products.Sides.Layers.add

Description

This adds a layer (add image) to a side of a product. Currently, only one layer is allowed per side. To change the image, use the `printfection.products.sides.layers.set` method. To remove the image, use the `printfection.products.sides.layers.remove` method.

Required Permission

write access to the store the product resides in.

Parameters

Name	Type	Required/ Optional	Description
productsideid	int	required	The ID of the side to add the layer to.
imageid	int	required	The ID of the image on this layer.
center_percent_x	float	optional	The percent from the top of the current position to the center of the image. 10% is sent as .1
center_percent_y	float	optional	The percent from the left of the current position to the center of the image. 10% is sent as .1
height	float	optional	The height in inches of the image after rotation.
position	int	optional	The position on the root product to use.
rotation	int Possible Values: 0,90,180,270	optional	The clockwise rotation of the image.

Example XML Response

```
<?xml version="1.0" encoding="UTF-8"?>
<printfection_response>
  <Products_Sides_Layers_add>OK</Products_Sides_Layers_add>
</printfection_response>
```

Printfection.Products.Sides.Layers.set

Description

This modifies an item on a side of a product.

Required Permission

write access to the store the product resides in.

Parameters

Name	Type	Required/ Optional	Description
productlayerid	int	required	The ID of the layer to modify.
imageid	int	optional	The ID of the image on this layer.
center_percent_x	float	optional	The percent from the top of the current position to the center of the image. 10% is sent as .1
center_percent_y	float	optional	The percent from the left of the current position to the center of the image. 10% is sent as .1
height	float	optional	The height in inches of the image after rotation.

position	int	optional	The position on the root product to use.
rotation	int Possible Values: 0,90,180,270	optional	The clockwise rotation of the image.

Example XML Response

```
<?xml version="1.0" encoding="UTF-8"?>
<printfection_response>
  <Products_Sides_Layers_set>OK</Products_Sides_Layers_set>
</printfection_response>
```

Printfection.Products.Sides.Layers.remove

Description

This method removes a layer. Products must have at least one customized layer.

Required Permission

write access to the store the product resides in.

Parameters

Name	Type	Required/ Optional	Description
productlayerid	int	required	The ID of the layer to remove.

Example XML Response

```
<?xml version="1.0" encoding="UTF-8"?>
<printfection_response>
  <Products_Sides_Layers_remove>OK</Products_Sides_Layers_remove>
</printfection_response>
```

Printfection.Products.Sides.Layers.fit

Description

This resizes the item in the layer to fit within the current position

Required Permission

write access to the store this product resides in.

Parameters

Name	Type	Required/ Optional	Description
productlayerid	int	required	The ID of the layer to modify.

Example XML Response

```
<?xml version="1.0" encoding="UTF-8"?>
<printfection_response>
  <Products_Sides_Layers_fit>OK</Products_Sides_Layers_fit>
</printfection_response>
```

Printfection.Products.Sides.Layers.fill

Description

This resizes the item in the current layer to fill the entire position. Some portions of the item may be cut off.

Required Permission

write access to the store this product resides in.

Parameters

Name	Type	Required/ Optional	Description
productlayerid	int	required	The ID of the layer to modify.

Example XML Response

```
<?xml version="1.0" encoding="UTF-8"?>
<printfection_response>
  <Products_Sides_Layers_fill>OK</Products_Sides_Layers_fill>
</printfection_response>
```

Stores

Printfection.Stores.create

Description

This creates a new store.

Required Permission

write access to add a new store.

Parameters

Name	Type	Required/ Optional	Description
name	string min 1 char max 50 chars	required	The name of the store.

url	string min 1 char max 32 chars	required	This is the relative URL of a store. It would be the 'mystore' part of the following URL: 'http://www.printfection.com/mystore' The URL can only include letters, numbers, hyphens and underscores. Various words are reserved by Printfection.
store_access	int 0: Open 1: Closed 2: Hidden	optional	The access level of a store on the Printfection website. The default access is 'open'.

Example XML Response

```
<?xml version="1.0" encoding="UTF-8"?>
<printfection_response>
  <Stores_create>
    <storeid>38874</storeid>
  </Stores_create>
</printfection_response>
```

Printfection.Stores.set

Description

This sets general attributes of a store. This method does support partial success for optional parameters.

Required Permission

write access to the store.

Parameters

Name	Type	Required/ Optional	Description
storeid	int	required	The ID of the store to update.
name	string min 1 char max 50 chars	optional	The name of the store.
description	string max 255 chars	optional	The description of the store.
url	string min 1 char max 32 chars	optional	This can only include letters, numbers, hyphens and underscores. Various words are reserved by Printfection.
store_access	int 0: Open 1: Closed 2: Hidden	optional	The access level of a store on the Printfection website.
overlay_preview	bool	optional	If true, a preview image will be

			overlaid on top of all large design images which are based on products in this store.
logo_imageid	int	optional	The ID of the image to use as the logo for the store. Set to '0' to remove the logo.
logo_width	int min 50 max 760	optional	The width of the logo. The logo_imageid must be set in order to set this. If the store is using the basic PF template the max width will be 590.
logo_transparency	bool	optional	If true the logo will be saved as a transparent GIF. The logo_imageid must be set in order to set this.

Example XML Response

```
<?xml version="1.0" encoding="UTF-8"?>
<printfection_response>
  <Stores_set>
    <name>OK</name>
    <description>OK</description>
    <url>OK</url>
    <store_access>OK</store_access>
    <overlay_preview>OK</overlay_preview>
    <logo_imageid>OK</logo_imageid>
    <logo_width>OK</logo_width>
    <logo_transparency>OK</logo_transparency>
  </Stores_set>
</printfection_response>
```

Printfection.Stores.delete

Description

This method deletes a store. All products and sections in the store must be deleted before deleting a store. It is not possible to delete the 'My Personal Products' store.

Required Permission

delete access to the store.

Parameters

Name	Type	Required/ Optional	Description
storeid	int	required	The ID of the store to delete.

Example XML Response

```
<?xml version="1.0" encoding="UTF-8"?>
<printfection_response>
  <Stores_delete>OK</Stores_delete>
</printfection_response>
```

Sections

Printfection.Sections.create

Description

This creates a new section in a store.

Required Permission

write access to the store you're adding the section to.

Parameters

Name	Type	Required/ Optional	Description
parent_sectionid	int	required	The ID of the section to create this section in.
name	string	required	The name of the section.

Example XML Response

```
<?xml version="1.0" encoding="UTF-8"?>
<printfection_response>
  <Sections_create>
    <sectionid>75</sectionid>
  </Sections_create>
</printfection_response>
```

Printfection.Sections.set

Description

This sets information about a section. This method does support partial success for optional parameters.

Required Permission

write access to the store the section exists in.

Parameters

Name	Type	Required/ Optional	Description
sectionid	int	required	The ID of the section to update.

name	String min 1 char max 50 chars	optional	The name of the section.
teaser	string max 255 chars	optional	The teaser for the section.
description	string max 255 chars	optional	The description of the section.
imageid	int	optional	The ID of the image to use as the section image. The session must have read access to the set the image resides in. Set this to '0' to remove the image.
image_transparency	bol	optional	If true, the image will be saved as a transparent GIF. Can only be set if the imageid has been set.
image_width	int	optional	The width of the image. This max size may be less if the image used is not 300 pixels wide. This defaults to 150 pixels when a new image is set. Can only be set if the imageid has been set.
section_order	int	optional	The order or sequence of this section compared to all other sections with the same parent section.
hidden	bool	optional	If true, this section and all child sections will be hidden from public view. If false, this section and all child sections will be unhidden. A section can only be unhidden if it's parent section is not hidden.

Example XML Response

```
<?xml version="1.0" encoding="UTF-8"?>
<printfection_response>
  <Sections_set>
    <name>OK</name>
    <teaser>OK</teaser>
    <description>OK</description>
    <section_order>OK</section_order>
    <hidden>OK</hidden>
    <imageid>OK</imageid>
    <image_transparency>OK</image_transparency>
    <image_width>OK</image_width>
  </Sections_set>
</printfection_response>
```

Printfection.Sections.delete

Description

This deletes a section. All sections and products must be removed from this section before it can be deleted.

Required Permission

delete access for this store.

Parameters

Name	Type	Required/ Optional	Description
sectionid	int	required	The ID of the section to delete.

Example XML Response

```
<?xml version="1.0" encoding="UTF-8"?>
<printfection_response>
  <Sections_delete>OK</Sections_delete>
</printfection_response>
```

Carts

Printfection.Carts.create

Description

This method creates a new cart.

Required Permission

write access to carts.

Parameters

Only the global parameters are used.

Example XML Response

```
<?xml version="1.0" encoding="UTF-8"?>
<printfection_response>
  <Carts_create>
    <cart_key>594e80c8b8b73e015cd932800760e965</cart_key>
  </Carts_create>
</printfection_response>
```

Printfection.Carts.addProduct

Description

This method adds a product to a cart. If a product already exists in the cart the new quantity will be added to the existing quantity.

Required Permission

write access to carts. read access to the store the product being added to the cart resides in.

Parameters

Name	Type	Required/ Optional	Description
cart_key	string	required	The unique ID for this cart.
productid	int	required	The ID of the product.
rootcolorid	int	required	The global color ID.
rootsizeid	int	optional	The global ID of the size. This can only be ignored if the root product does not have any sizes.
qty	int min 1	required	The quantity to add to the cart.

Example XML Response

```
<?xml version="1.0" encoding="UTF-8"?>
<printfection_response>
  <Carts_addProduct>OK</Carts_addProduct>
</printfection_response>
```

Printfection.Carts.setProductQuantity

Description

This method updates the quantity of a specific product in a cart.

Required Permission

write access to carts.

Parameters

Name	Type	Required/ Optional	Description
cart_key	string	required	The unique ID for this cart.
productid	int	required	The ID of the product.
rootcolorid	int	required	The global color ID.

rootsizeid	int	optional	The global ID of the size. This can only be ignored if the root product does not have any sizes.
qty	int min 0	required	The new quantity to be purchased. This product will be removed from the cart if quantity is set to 0.

Example XML Response

```
<?xml version="1.0" encoding="UTF-8"?>
<printfection_response>
  <Carts_setProductQuantity>OK</Carts_setProductQuantity>
</printfection_response>
```

Printfection.Carts.removeProduct

Description

This method removes a product from a cart.

Required Permission

write access to carts.

Parameters

Name	Type	Required/ Optional	Description
cart_key	string	required	The unique ID for this cart.
productid	int	required	The ID of the product.
rootcolorid	int	required	The global color ID.
rootsizeid	int	optional	The global ID of the size. This can only be ignored if the root product does not have any sizes.

Example XML Response

```
<?xml version="1.0" encoding="UTF-8"?>
<printfection_response>
  <Carts_removeProduct>OK</Carts_removeProduct>
</printfection_response>
```

Printfection.Carts.clear

Description

This method removes all products from a cart.

Required Permission

write access to carts.

Parameters

Name	Type	Required/ Optional	Description
cart_key	string	required	The unique ID for this cart.

Example XML Response

```
<?xml version="1.0" encoding="UTF-8"?>
<printfection_response>
  <Carts_clear>OK</Carts_clear>
</printfection_response>
```

Printfection.Carts.getShippingMethods

Description

This method returns all shipping methods which can be used with this cart along with the cost of each shipping method. If the cart does not have any products then the shipping rate will not be returned.

Required Permission

write access to carts.

Parameters

Name	Type	Required/ Optional	Description
cart_key	string	required	The unique ID for this cart.

Example XML Response

```
<?xml version="1.0" encoding="UTF-8"?>
<printfection_response>
  <Carts_getShippingMethods>
    <shipping_method>
      <shippingmethodid>110</shippingmethodid>
      <name>Standard</name>
      <transit_time>1-5 business days</transit_time>
      <rate>10.75</rate>
    </shipping_method>
    <shipping_method>
      <shippingmethodid>202</shippingmethodid>
      <name>Two-Day</name>
      <transit_time>2 business days</transit_time>
      <rate>37.30</rate>
    </shipping_method>
  </Carts_getShippingMethods>
</printfection_response>
```

```
<shippingmethodid>203</shippingmethodid>
<name>One-Day</name>
<transit_time>1 business day</transit_time>
<rate>55.89</rate>
</shipping_method>
<shipping_method>
  <shippingmethodid>201</shippingmethodid>
  <name>Canadian Airmail</name>
  <transit_time>8-10 business days</transit_time>
  <rate>29.65</rate>
</shipping_method>
<shipping_method>
  <shippingmethodid>204</shippingmethodid>
  <name>International Airmail</name>
  <transit_time>8-10 business days</transit_time>
  <rate>72.75</rate>
</shipping_method>
</Carts_getShippingMethods>
</printfection_response>
```