



# ***HOW TO Add Functionality with Modules***

Revision 1.4



Miva Corporation  
5060 Santa Fe Street  
San Diego, CA 92109

Telephone: 858-490-2570

Telefax: 858-731-4200

<http://www.miva.com>

This document and the software described by this document are copyright 2002 by Miva Corporation. All rights reserved. Use of the software described herein may only be done in accordance with the License Agreement provided with the software. This document may not be reproduced in full or partial form except for the purpose of using the software described herein in accordance with the License Agreement provided with the software. Information in this document is subject to change without notice. Companies, names and data used in the examples herein are fictitious unless otherwise noted.

Miva is a registered trademark of Miva Corporation. Miva Order, Miva Merchant, Miva Mia, Miva Empresa, the Miva "blades" logo, and the Miva Engine are trademarks of Miva Corporation. Windows is the registered trademark of Microsoft Corporation. All other trademarks are the property of their respective owners. This document was developed and produced in San Diego, CA, USA.

MIVA CORPORATION WILL NOT BE LIABLE FOR (A) ANY BUG, ERROR, OMISSION, DEFECT, DEFICIENCY, OR NONCONFORMITY IN MERCHANT OR THIS DOCUMENTATION; (B) IMPLIED MERCHANTABILITY OF FITNESS FOR A PARTICULAR PURPOSE; (C) IMPLIED WARRANTY RELATING TO COURSE OF DEALING, OR USAGE OF TRADE OR ANY OTHER IMPLIED WARRANTY WHATSOEVER; (D) CLAIM OF INFRINGEMENT; (E) CLAIM IN TORT, WHETHER OR NOT ARISING IN WHOLE OR PART FROM MIVA CORPORATION'S FAULT, NEGLIGENCE, STRICT LIABILITY, OR PRODUCT LIABILITY, OR (F) CLAIM FOR ANY DIRECT, INDIRECT, INCIDENTAL, SPECIAL, OR CONSEQUENTIAL DAMAGES, OR LOSS OF DATA, REVENUE, LICENSEES GOODWILL, OR USE. IN NO CASE SHALL MIVA CORPORATION'S LIABILITY EXCEED THE PRICE THAT LICENSEE PAID FOR MERCHANT.

MM1045-05

# HOW TO Add Functionality with Modules

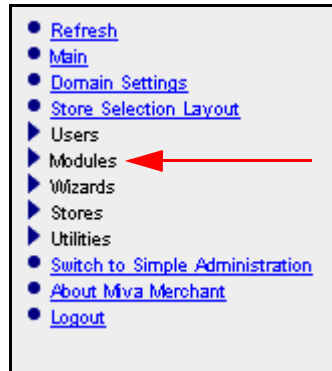
Miva Merchant™ utilizes a modular concept to provide merchants with the capability to easily create the look, feel and functionality they want for their store. The product ships with a standard set of modules and can be expanded by adding new modules available from Miva's On-line Partner Directory at <http://www.miva.com/partners/>.

Developers can also create a new module using XML-based Miva Script™. For module information about the module development process, refer to the documents <http://www.miva.com/docs/api/>.

The figure below shows the architecture of the Miva environment.



Modules can be added to, upgraded, activated/deactivated, or deleted from Miva Merchant. These functions are accessed through the Module link on the Administration Interface menu.



## Add Module

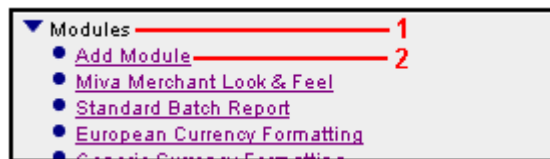
You can add functionality to your store by adding third-party modules. To add the modules you must upload it to your Miva Merchant domain and then add it to your store.

### Add Module to the Miva Merchant Domain

Use the following procedure to add modules to your Miva Merchant domain.

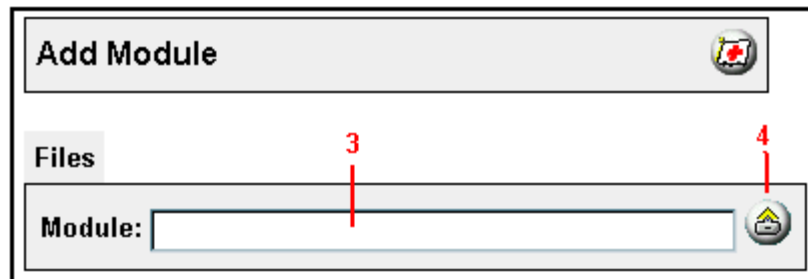
**Miva Merchant 4.14 and above:** Miva Merchant is compiled. Any added module must also be compiled. The .mvc identifies compiled Miva Merchant applications and modules.

1. Click the triangle next to Modules.
2. Click Add Module.



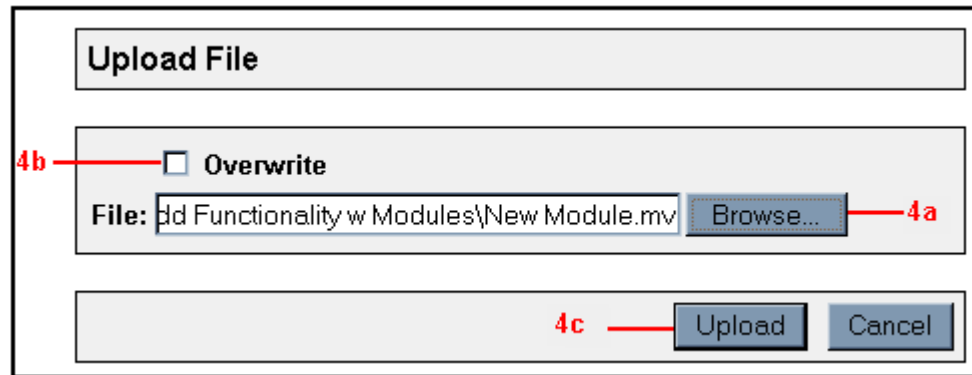
The Add Module screen is displayed.

3. If you know the module name, enter it and go to step 5.
4. If you do not know the module name, click the Upload File button.

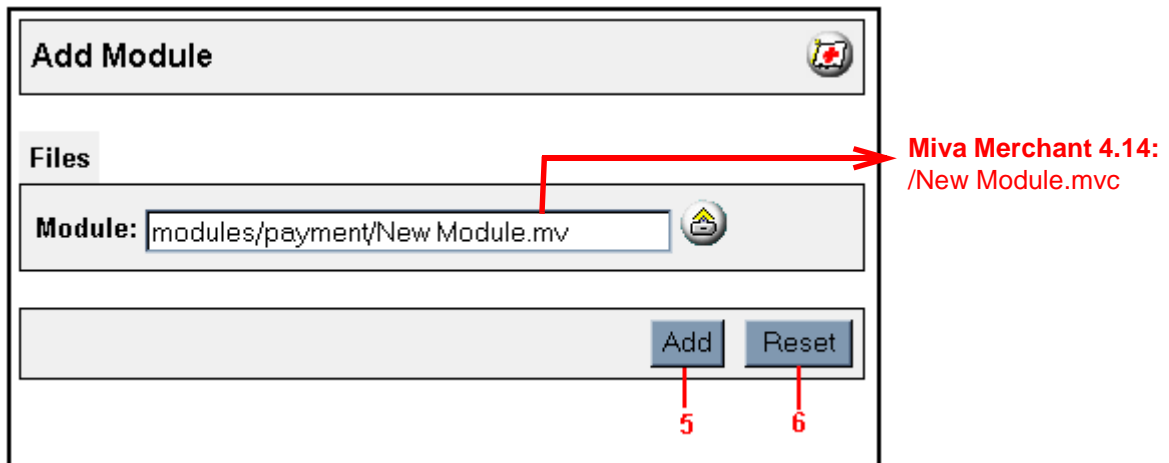


The Upload File screen is displayed.

- a. Use the Browse... button to find the module on your system.
- b. You are uploading a new module that is not in your Miva Merchant domain. Therefore, you do not need to click the Overwrite check box.
- c. Click the Upload button to return to the Add Module form.



5. In the Add Module screen, click the Add button.
6. To undo your steps, click the Reset button to delete the module from the domain.



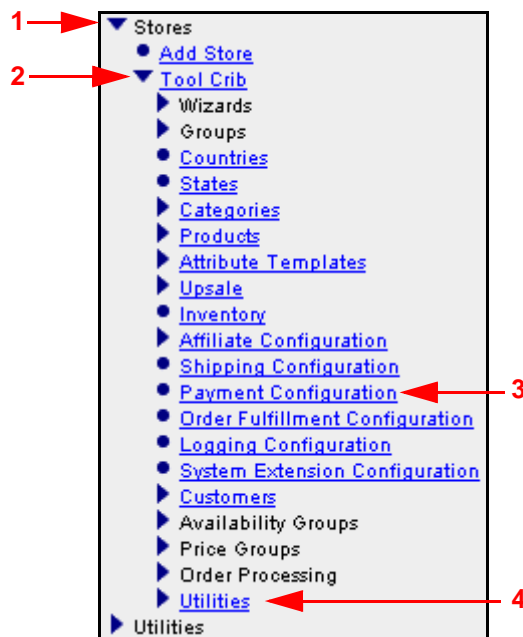
7. After you click the Add button, the module (A New Payment Module in the sample below) is added to the module list as the last item.



## Assign Module to a Miva Merchant Store

After you have added the module to your domain, use the following procedure to assign it to your store(s).

1. Click the triangle ▼ to the left of Stores on the menu to display the stores in the Miva Merchant domain.
2. Click the triangle ▼ to the left of the store name (Tool Crib) to display the list of stores functions.
3. Click the desired module configuration type to open the Module Configuration form.
4. Click Utilities to add a module for import, export, tax, user interface, or a third-party module.



5. Click the check box of the desired module.
6. Click Update to assign the module to the store.

The screenshot shows a window titled "Payment Configuration" with a "Modules" section. Under "Assigned Module", there is a list of modules, each with a checkbox. A red arrow labeled "5" points to the checkbox for "A New Payment Module". Another red arrow labeled "6" points to the "Update" button at the bottom right of the window. The "Reset" button is also visible next to it.

Assigned Module	
<input type="checkbox"/>	A New Payment Module
<input type="checkbox"/>	Verisign Payflow Pro (PaymentNet)
<input type="checkbox"/>	Verisign Payflow Link
<input type="checkbox"/>	Credit Card Payment With Simple Validation
<input type="checkbox"/>	Cardservice/LinkPoint Payment Gateway
<input type="checkbox"/>	CyberSource ICSv2 Payment Services
<input type="checkbox"/>	CyberCash Payment Services
<input type="checkbox"/>	COD
<input type="checkbox"/>	Check Payment
<input type="checkbox"/>	Authorize.Net Payment Services v3.0
<input type="checkbox"/>	Anacom Payment Services

Update    Reset

**Note:** Repeat steps 1 through 6 until the module has been added to all your stores.

7. A link for the module displays at the top of the module configuration form. Click on the link to open the Edit form. The information required for each module is unique, if you have questions about this information, contact the company that created the module.

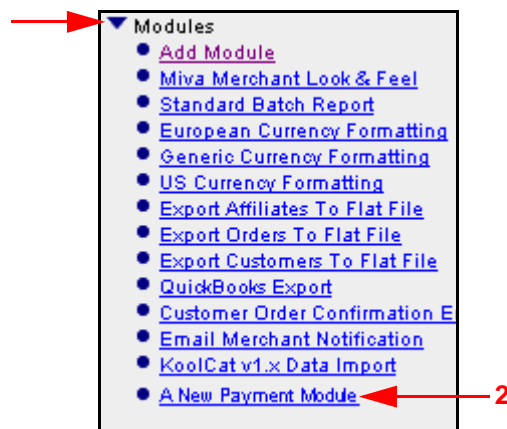
## Change Status or Upgrade a Module

Use the following procedure to upgrade modules in your Miva Merchant domain. You can also activate and inactivate a module.


**Note: Miva Merchant 4.14 or above:** Miva Merchant is compiled. Any added module must also be compiled. The .mvc extension identifies compiled Miva Merchant applications and modules.

**Miva Merchant 4.13 and below:** Miva Merchant is not compiled. Any added module must also be uncompiled. The .mv extension identifies uncompiled Miva Merchant modules.

1. Click on the triangle next to Modules.
2. Click the link for the module you want to change or upgrade.



The following screen is displayed.

Edit Module: A New Payment Module 	
<p>Information <a href="#">Files</a></p>	
<b>Type of Module:</b>	Payment Processing
<b>Code:</b>	payment_skel
<b>Name:</b>	A New Payment Module
<b>Provider:</b>	Miva Corporation Support Dept.
<b>Version:</b>	4.10
<b>Usage Count (Number of Stores):</b>	0
	<input checked="" type="checkbox"/> Active

The form has the tabs: Information and Files.

## Information Tab

Most of this form is a read only. The following information is displayed.

Type of Module	The Miva Merchant module type.
Code	The code used to identify the module within the Miva Merchant environment.
Name	The name of the module that is displayed to your customers.
Provider	The name of the person or company that supplied this module, and who supports the module.
Version	The version of the module.
Usage Count (Number of Stores)	Number of stores within your domain that use the module.
Active	Check the box to activate to inactive the module.

## Files Tab

This form is used to upload a new version of the module.

Use the following procedure to upload a new version.

1. If you know the module name, enter it and skip to step 3.
2. If you do not know the module name, click the Upload button to find the file on your system if you are uploading a module that is already in your domain.

The screenshot shows a web interface titled "Edit Module: A New Payment Module". It has two tabs: "Information" and "Files". The "Files" tab is active. Below the tabs, there is a "Module:" label followed by a text input field containing the path "modules/payment/New Module.mv". To the right of the input field is a small icon of a folder with a document. Below the input field are three buttons: "Update", "Delete", and "Reset". A red arrow points from the text "modules/payment/New Module.mv" to the text "Miva Merchant 4.14: /New Module.mvc" on the right side of the image. There are also red numbers "1" and "2" with arrows pointing to the "Module:" label and the folder icon respectively.

- a. Click the Overwrite check box if you want to replace the existing module with a new version.
- b. Use the Browse... button to find the module on your system.
- c. Click the Update button and return to the Edit Module screen.

3. Click the Update button on the Edit Module: form and it will display an acknowledgement message.

## Delete a Module

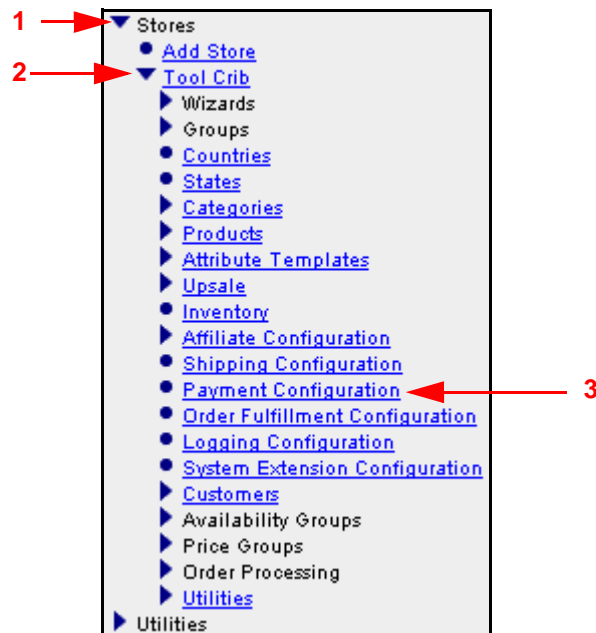
There are two steps that are necessary to delete a module from the Miva Merchant domain.

## Unassign a Module from a Miva Merchant Store

You must unassign a module from all your stores before you can remove it from the domain.

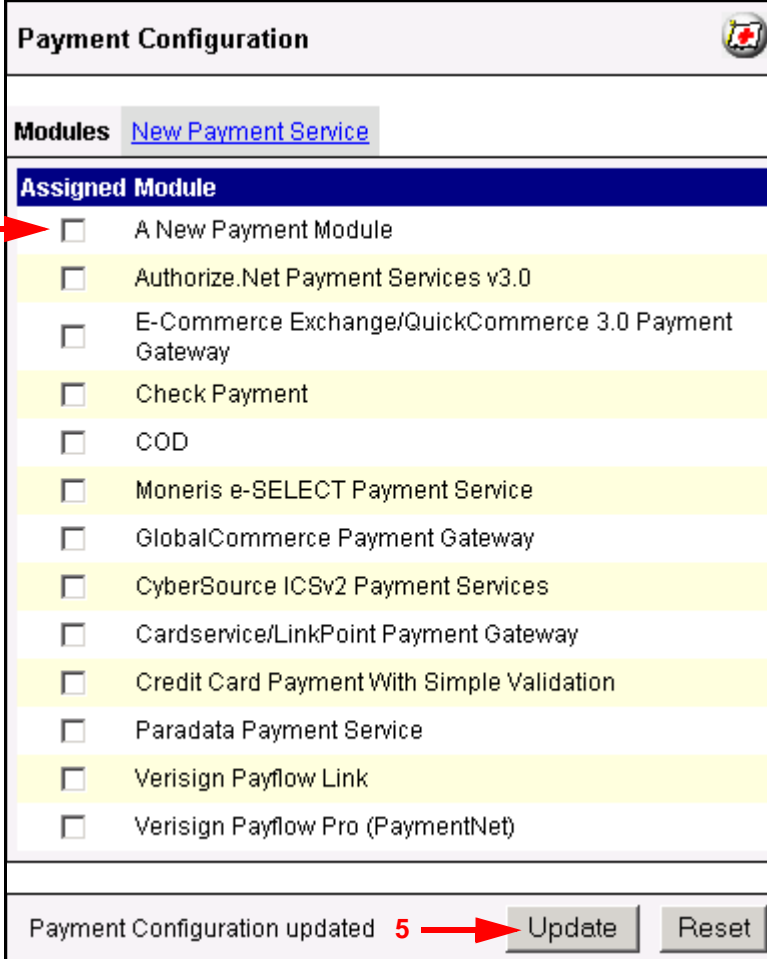
Use the following procedure to unassign a module.

1. Click the arrow ▼ to the left of Stores on the menu to display the stores in the Miva Merchant domain.
2. Click the arrow ▼ to the left of the store name (Tool Belt) to display the list of stores functions.
3. Click on the desired module configuration type to open the Module Configuration form. (Using the Payment Configuration here, as an example.)



The following form is displayed, showing the Payment Configuration example.

4. Uncheck the Assigned check box next to the module name.
5. Click Update to remove the module from the store.



The screenshot shows a web form titled "Payment Configuration" with a "Modules" tab selected, showing "New Payment Service". Below is a table of "Assigned Module" entries, each with an unchecked checkbox. A red arrow labeled "4" points to the checkbox for "A New Payment Module". At the bottom, the text "Payment Configuration updated" is followed by a red arrow labeled "5" pointing to the "Update" button.

Assigned Module	
<input type="checkbox"/>	A New Payment Module
<input type="checkbox"/>	Authorize.Net Payment Services v3.0
<input type="checkbox"/>	E-Commerce Exchange/QuickCommerce 3.0 Payment Gateway
<input type="checkbox"/>	Check Payment
<input type="checkbox"/>	COD
<input type="checkbox"/>	Moneris e-SELECT Payment Service
<input type="checkbox"/>	GlobalCommerce Payment Gateway
<input type="checkbox"/>	CyberSource ICSv2 Payment Services
<input type="checkbox"/>	Cardservice/LinkPoint Payment Gateway
<input type="checkbox"/>	Credit Card Payment With Simple Validation
<input type="checkbox"/>	Paradata Payment Service
<input type="checkbox"/>	Verisign Payflow Link
<input type="checkbox"/>	Verisign Payflow Pro (PaymentNet)

Payment Configuration updated 5 → Update Reset

6. Repeat steps 1 through 5 to remove the module from all of your stores.

## Delete a Module From the Miva Merchant Domain

After the module has been unassigned from all stores, it can be removed from the domain. Use the following procedure to remove the module.

1. Click the module name on the Administration Interface menu to display the Edit Module form.  
The Edit Module form is displayed.
2. Check that the Usage Count (Number of Stores) is zero.
3. Click the Delete button to remove the module from the domain.

### Edit Module: A New Payment Module

**Information** [Files](#)

<b>Type of Module:</b>	Payment Processing
<b>Code:</b>	payment_skel
<b>Name:</b>	A New Payment Module
<b>Provider:</b>	Miva Corporation Support Dept.
<b>Version:</b>	4.10
<b>Usage Count (Number of Stores):</b>	0
	<input checked="" type="checkbox"/> Active

**Note:** Instead of deleting a Module, you can make it Inactive. Uncheck the box next to Active and click Update.