

# Administration Guide

**Sputnik Module™ for PayPal®/Credit Cards**  
**Version 1.0**



Document Revision 2  
Copyright ©2005, Sputnik, Inc.  
All rights reserved

**Administration Guide**  
**Sputnik Module for PayPal/Credit Cards**

**Table of Contents**

Installation .....	1
Module Name.....	2
Group Policies .....	3
Edit Settings .....	4
Users .....	5
Products .....	6
Transaction Log .....	7
Terms and Usage.....	8
Trademarks and copyright .....	9

## Installation

The Sputnik Module for PayPal/Credit Cards is installed from the command line of your Sputnik Control Center server (and requires that you have root or sudo administrative privileges). Before the installation will succeed, you must first purchase the Sputnik Module for PayPal/Credit Cards from Sputnik's on-line store. That purchase will provision your entitlement to use it, such that the installer will allow download and installation of the module on your server. At the command-line of your SCC server, type the following commands:

```
[root@server]# cd /root
[root@server]# ./scc_install.pl --yum install Sputnik-CC-PayPal
[root@server]# /sbin/service httpd restart
```

## Module Name

The screenshot shows the Sputniknet administrative interface. The top navigation bar is red and contains the Sputniknet logo, the user 'devel', a 'Sign Out' button, and a 'Report A Bug' link. Below the navigation bar, the page title is 'Authentication System: PayPal'. A secondary navigation bar contains links for 'Module Name', 'Group Policies', 'Edit Settings', 'Users', 'Products', and 'Transaction Log'. The main content area is divided into three columns. The left column is a sidebar with a red background and white text, containing sections for 'CONFIG' (Routers, Captive Portals, Authentication, Devices, Guests, Pay Pal, Prepaid, RADIUS, Users, Network Policies, Control Center), 'REPORTS' (Summary Data, Client Sessions, Ad Hoc), and 'SN' (Accounts, Auth/Net Subs). The middle column contains a form for configuring the PayPal module. It includes a dropdown menu for 'Select a module:' with 'PayPal@ Module' selected. Below this are three text input fields: 'Name or description:' with 'PayPal', 'Visible Name:' with 'Sputnik HQ PayPal Test', and a 'Save Changes' button. The right column contains three lines of explanatory text: 'This is the name of the module that provides this authentication mechanism.', 'This is the name displayed to administrators in this interface.', and 'This is the name displayed to unauthorized users when multiple methods of authenticating are available.'

The module name can be whatever you like. Typically, there would only be one PayPal/Credit Cards Module setup per Sputnik Control Center site.

The first text field is the name used within the administrative interface. The second text field should be set so that end-users (subscribers) will clearly understand that they are logging into a fee-based system.

## Group Policies



The screenshot shows the Sputniknet devel interface. The top navigation bar includes the Sputniknet logo, the version 'devel', a 'Status Overview' link, and a 'Sign Out' button. A 'Report A Bug' link is also present. The left sidebar contains a 'CONFIG' menu with items like Routers, Captive Portals, Authentication, Devices, Guests, Pay Pal, Prepaid, RADIUS, Users, Network Policies, and Control Center. Below this are 'REPORTS' (Summary Data, Client Sessions, Ad Hoc) and 'SN' (Accounts, Auth/Net Subs). The main content area is titled 'Authentication System: PayPal' and has a breadcrumb trail: 'Module Name > Group Policies > Edit Settings > Users > Products > Transaction Log'. Under the heading 'Groups currently defined:', there is a table with the following data:

Group Identifier	Description	Network Policies
All	All Clients	[Edit]

Like most authentication systems, the Sputnik PayPal/Credit Cards Module allows you to optionally create user groups within that system and apply different network policies to the various groups. All subscribers of the Module are members of the "All" group.

## Edit Settings

The screenshot shows the Sputniknet 'devel' interface. The top navigation bar includes 'Sign Out' and 'Report A Bug'. The left sidebar lists various configuration and reporting options. The main content area is titled 'Authentication System: PayPal' and 'PayPal® Merchant Settings'. It contains several configuration fields with 'Find It' buttons:

- Use Sandbox?**  Select if you are using PayPal's "Developer sandbox"
- Email Address ("business"):** store-test@sputnik.com
- PDT Authentication (Identity) Token:** Cx587yjjAocj08FMc005708wrtw0u628M248278uCN-gn2V6j005 pin
- Page Style:** (empty)
- Sign-up Prompt:** Need access?
- Sign-up Button Label:** Buy a plan

Each field has a red 'Find It' button. A note at the bottom states: "Note: In order for the 'Find It' links above to work, you must have recently logged into the PayPal web site (in another browser window). Also, the 'Find It' links change depending on whether you are using the PayPal developer sandbox."

This page must be properly configured before you can accept credit card or PayPal account payments via this module.

The "Use Sandbox?" checkbox should be checked whenever you want to "test" the functionality of the module without actually causing payment transfers to occur. The testing requires that you login to your PayPal account with your browser before running the tests.

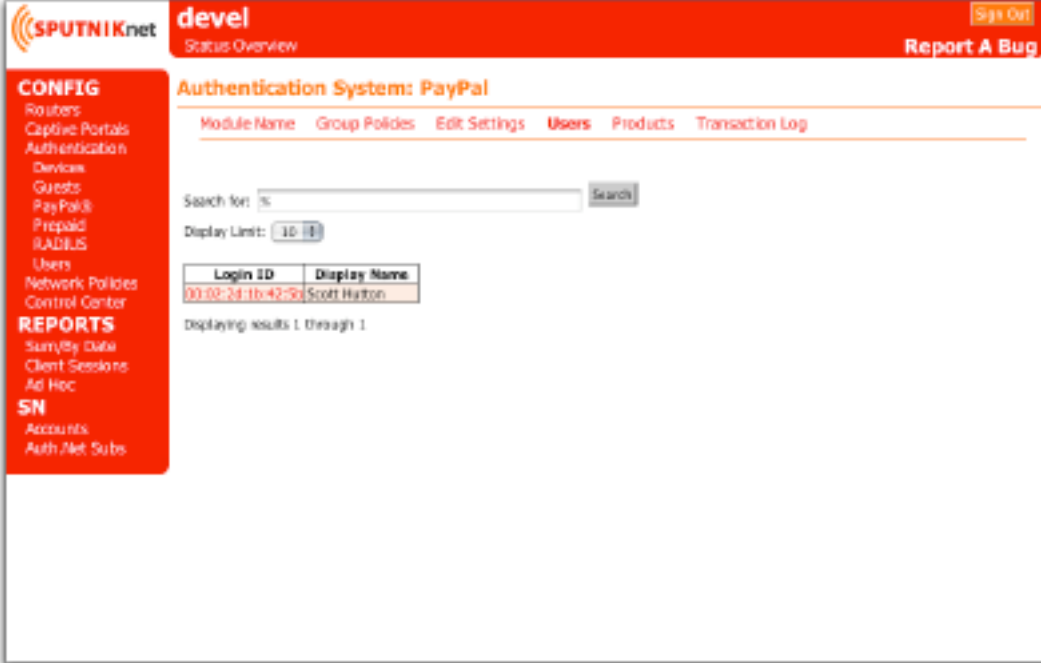
Your "e-mail address" should be the one you use to login to your PayPal account (your PayPal username).

The "PDT" is a very long string generated by PayPal, unique to your account. Click the "Find it" button if you are unsure where to look up the string from within your PayPal account.

The "Page Style" is an optional specification for helping you to customize the look and feel of the PayPal payment page that your end-users will see upon sign-up.

The last two text fields, "Sign-up Prompt" and "Sign-up Button Label" can be customized however you please to help your end-users find, link to, and complete the fee-based registration via PayPal.

## Users



The screenshot shows the Sputniknet devel interface. The top navigation bar includes the Sputniknet logo, the text 'devel', 'Status Overview', and a 'Sign Out' button. A 'Report A Bug' link is also present. The left sidebar contains a 'CONFIG' menu with items like Routers, Captive Portals, Authentication, Devices, Guests, Pay Pal, Prepaid, RADIUS, Users, Network Policies, and Control Center. Below this is a 'REPORTS' section with Summary Data, Client Sessions, and Ad Hoc. The main content area is titled 'Authentication System: PayPal' and has tabs for Module Name, Group Policies, Edit Settings, Users, Products, and Transaction Log. The 'Users' tab is active. It features a search bar with the text '%', a 'Search' button, and a 'Display Limit' of 10. Below the search bar is a table with two columns: 'Login ID' and 'Display Name'. The table contains one entry: '00:02:28:1b:42:5b' and 'Scott Harton'. Below the table, it says 'Displaying results 1 through 1'.

This page allows you to browse the list of users who have registered with your PayPal account. To browse all users, type “%” into the text field and click the “Search” button. To narrow your search, type in some portion of the Login ID (which equates to the end-user MAC address). For example: “%42:5b” will list all end-users with a MAC address ending in 42:5b.

# Products

**SPUTNIKnet** devel Sign Out  
Status Overview Report A Bug

**CONFIG**  
Routers  
Captive Portals  
Authentication  
Devices  
Guests  
PayPal®  
Prepaid  
RADIUS  
Users  
Network Policies  
Control Center

**REPORTS**  
Summary Data  
Client Sessions  
Ad Hoc

**SN**  
Accounts  
Auth/Net Subs

### Authentication System: PayPal

Module Name   Group Policies   Edit Settings   Users   **Products**   Transaction Log

**Add New Product**

These are plans that will be offered for purchase by new users when they connect with an AP that utilizes the "PayPal" authentication system.

Use?	Item Name	Item Number	Amount	Currency
<input checked="" type="checkbox"/>	24-hour Pass	devel-00000012	9.95	USD
<input type="checkbox"/>	best product	devel-00000013	0.01	USD
<input checked="" type="checkbox"/>	5-minute Sample	devel-00000014	0.25	USD
<input type="checkbox"/>	one-hour	devel-00000015	6.95	USD
<input type="checkbox"/>	Frequent Guest - 1 hour	devel-00000016	4.95	USD
<input checked="" type="checkbox"/>	QuickPass (15 minutes)	devel-00000017	0.99	USD

The Products page allows you to create any number of rate plans. For each plan, you specify the "Name" (good idea to have a hint of the allowed time in the name), the "Price Amount" of that plan, the "PayPal Currency Code" of that price, and an interval of time for which the account will be valid.

Currently, the PayPal module only supports continuous usage plans that expire after a specified interval of time. It does not support ongoing subscriptions nor discontinuous use plans.

Click on an "Item Name" to see or edit the plan details. Click on the "Add New Product" button to create a new offering.

# Transaction Log

**SPUTNIKnet** **devel** [Sign Out](#)  
 Status Overview [Report A Bug](#)

**CONFIG**  
 Routers  
 Captive Portals  
 Authentication  
 Devices  
 Guests  
 PayPal  
 Prepaid  
 RADIUS  
 Users  
 Network Policies  
 Control Center

**REPORTS**  
 Summary Data  
 Client Sessions  
 Ad Hoc

**SN**  
 Accounts  
 Auth/Net Subs

**Authentication System: PayPal**

Module Name Group Policies Edit Settings Users Products **Transaction Log**

Display Limit:  [Execute](#)

PayPal Trans ID	Order Time	Assigned Login	Product/Plan	Amount	Action Taken
<a href="#">990861890274493202</a>	Nov 30, 2004 02:53PM	<a href="#">00:02:2d:1b:42:5b</a>	one-hour	3.00 USD	Extended expiration to Nov 30, 2004 02:53PM
<a href="#">00092326033107123</a>	Nov 16, 2004 03:40PM	<a href="#">mf0e308</a>	one-hour	3.00 USD	Extended expiration to Nov 16, 2004 04:40PM
<a href="#">40025823989779110</a>	Nov 15, 2004 02:54PM	<a href="#">00:00:1d:f0:c7fc</a>	24-hour Pass	9.95 USD	Extended expiration to Nov 16, 2004 02:54PM
<a href="#">30068410027455223</a>	Nov 15, 2004 02:48PM	<a href="#">mf0e</a>	5-minute Sample	0.25 USD	Extended expiration to Nov 15, 2004 02:53PM
<a href="#">40010215799310020</a>	Nov 15, 2004 02:34PM	<a href="#">00:00:1d:f0:c7fc</a>	24-hour Pass	1.00 USD	Extended expiration to Nov 16, 2004 02:34PM
<a href="#">4006625085936125</a>	Nov 15, 2004 02:13PM	<a href="#">mf0e</a>	24-hour Pass	1.00 USD	Extended expiration to Nov 16, 2004 02:48PM
<a href="#">1002250908939832</a>	Nov 15, 2004 02:12PM	<a href="#">00:00:1d:f0:c7fc</a>	24-hour Pass	1.00 USD	Extended expiration to Nov 17, 2004 02:48PM
<a href="#">40086190206254462</a>	Nov 14, 2004 05:44PM	<a href="#">00:00:1d:f0:c7fc</a>	24-hour Pass	1.00 USD	Extended expiration to 2004-11-15 16:44:43.639696
<a href="#">7003851062593333</a>	Nov 14, 2004 01:20PM		24-hour Pass	1.00 USD	
<a href="#">00062749962794832</a>	Nov 14, 2004 01:17PM		24-hour Pass	1.00 USD	

Displaying results 1 through 10 [Next >](#)

The Transaction Log page provides a short summary of PayPal transactions specific to this module. (These transactions will also be recorded and viewable from your PayPal account, along with any other PayPal transactions.)

By clicking on the first column transaction id, you can view more detail regarding the transaction. Clicking the third column login id will show more detail regarding the specific end-user account.

## Terms and Usage

Authentication System	A named instance of an authentication module, used to manage, authenticate and group clients of a Sputnik network.
Captive Portal	A captive portal is a page set up for users to see in their browser when they first connect via wireless. This page can allow them to login or go to a registration and (optional) payment page.
Client	A client is any user or device that can connect to your network.
Device	A device is any hardware equipped with wireless capabilities that can connect to your network
Policy, Network Policy	Policies define the IP addresses, ranges, or URLs a client can or cannot visit, and are defined as either allow/accept or deny/reject.
Router	A router runs the Sputnik Agent. The Agent enforces a redirect to the Sputnik Control Center for client authentication. The Agent applies network policies specifically authorized for that client.
Session	A session is a record of a client's bandwidth activity while connected. Sessions begin with authentication and end with client logout or inactivity expiration.
Walled Garden	A walled garden is a group of network policies that are applied prior to client authentication. For example, in addition to viewing your captive portal, you will need to provide access to PayPal's Website for processing fee-based registration. The user could browse that site, but would not be able to browse elsewhere without authenticating.

## **Trademarks and copyright**

Copyright © 2005, Sputnik, Inc.

This document is protected by national copyright laws and international treaties. Unauthorized use, reproduction, modification, creation of derivative works or circulation is strictly prohibited. The publisher reserves the right to revise this publication and to make changes to any or all parts of this document at any time, without obligation to notify any person or entity of such revisions or changes. No part of this publication may be reproduced, stored in a retrieval system, or transmitted in any form or by any means, whether electronic, mechanical, photocopying, recording, or otherwise without the prior written permission of the publisher.

Sputnik® is a registered trademark of Sputnik, Inc. Sputnik AP™, Sputnik Control Center™, SputnikNet, and Sputnik Module™ are trademarks of Sputnik, Inc. All rights reserved.