



**Purpose: To enable Credit Card Billing using the Internal Web Server of the NSE.**

**Before configuring the gateway for credit card billing verify the following:**

### Authorize.net Requirements

1. SIM compliant account.  
Note: If your account was created before March, 2003 then you will need to convert the account from Web-Link to SIM. Ask [support@nomadix.com](mailto:support@nomadix.com) for instructions on how to make this change.
2. Merchant ID (not the account number) to be configured in the NSE.  
Configuration/AAA/Merchant ID. The Merchant ID will be the Login ID you use to log into Authorize.net.
3. Login to authorize.net account and select Settings

and change/modify the following:

- a. Response/Receipt URLs – click on Add Url and enter the following, entering your NSE’s IP [http://Type\\_NSE\\_IP\\_Address\\_Here:1111/](http://Type_NSE_IP_Address_Here:1111/)



Do not click on Default Receipt or Default Relay response URL links.

The screenshot shows the Authorize.Net merchant interface. At the top, there is a navigation bar with links for Feedback, Contact Us, Live Help, Help, and Log Out. Below this is a secondary navigation bar with Home, Tools, Reports, Search, Account, and New Search (BETA). A red banner across the top of the main content area reads "ACCOUNT IS IN TEST MODE - REAL TRANSACTIONS WILL NOT BE PROCESSED" with a "Test Mode" link on the right. On the left side, there is a blue sidebar menu with options: Settings, Merchant Profile, Billing Information, Statements, and Verified Merchant Seal. The main content area is titled "Response/Receipt URLs" with a "Help" link. Below the title, there is a paragraph explaining that the Payment Gateway verifies the URL specified in the post string against the URLs in this list. If the URL provided does not match one of the values on this list, the transaction will be rejected. If no URL is provided, the Default URL value will be used. Below this text is a table with two rows. The first row is for "Default Receipt URL" and the second row is for "Default Relay Response URL". Each row has a "URL" column and an "Add URL" button. The "Add URL" button in the first row is highlighted with a red box. Below the table, there are "Edit" links for each row.

b. Password-Required Mode has to be turned off

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c. Obtain a Transaction Key – from the main Settings screen select

The screenshot shows the Authorize.Net merchant interface. At the top, there's a navigation bar with links for Feedback, Contact Us, Live Help, Help, and Log Out. Below this is a secondary navigation bar with Home, Tools, Reports, Search, Account, and New Search (BETA). A red banner across the top of the main content area reads "ACCOUNT IS IN TEST MODE - REAL TRANSACTIONS WILL NOT BE PROCESSED" with a "Test Mode" link. The left sidebar contains a menu with Settings, Merchant Profile, Billing Information, Statements, and Verified Merchant Seal. The main content area is titled "Settings" and includes a "Help" link. Below the title, there's an introductory paragraph. The settings are organized into sections: "Transaction Format Settings" (with sub-sections for Transaction Submission and Transaction Response), and "Security Settings" (with sub-sections for Basic Fraud and General Security). In the General Security Settings section, the "Transaction Key" link is highlighted with a red rectangular box.



4. Obtain a MD5 Hash Key – from the main Settings screen select

This screenshot shows the Authorize.Net merchant dashboard. The top navigation bar includes "Home", "Tools", "Reports", "Search", and "Account". A red banner at the top of the main content area reads "ACCOUNT IS IN TEST MODE - REAL TRANSACTIONS WILL NOT BE PROCESSED" with a "Test Mode" link. The left sidebar contains a menu with "Settings" selected. The main content area is titled "Settings" and includes a "Help" link. It contains several sections: "Transaction Submission Settings" with links for "Virtual Terminal", "Payment Form", and "Upload Transaction File Format"; "Transaction Response Settings" with links for "Transaction Version", "Response/Receipt URL", "Receipt Page", "Relax Response", "Silent Post URL", "Direct Response", "Email Receipt", and "FDS Customer Response"; and "Security Settings" with links for "Basic Fraud Settings", "Card Code Verification", "Daily Velocity", "Address Verification Service", "Cardholder Authentication", "Test Mode", "MD5 Hash", "Fastlane-Required Mode", and "API Login ID and Transaction Key".

This screenshot shows the "MD5 Hash" configuration page in the Authorize.Net merchant dashboard. The top navigation bar is the same as in the previous screenshot. The red banner at the top of the main content area is also present. The left sidebar menu has "Settings" selected, and "MD5 Hash" is highlighted in the main content area. The page includes a "Help" link and a paragraph stating: "If you would like your transaction responses to be encrypted by the Payment Gateway, enter and confirm a MD5 Hash Value below." Below this, there is a link to "Reference &amp; User Guides". A section titled "Hash Value Set: Yes" contains two input fields: "New Hash Value:" and "Confirm Hash Value:". A "Submit" button is located below the input fields.



5. Log into the NSE and go to the Configuration Menu/Time. Enter in your UTC time (Universal Time) offset for your NSE's location. This is required by Authorize.Net. See UTC chart on the bottom of this document

**Set Date and Time**

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Local time: FRI JAN 20 15:14:06 2017 (UTC-07:00:00)  
UTC time: FRI JAN 20 22:14:06 2017  
Time zone: UTC-07:00:00 (generic)  
DST: For automatic DST transition processing, configure an IANA-defined time zone  
Next change: n/a  
Time zone DB version: 2016j

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Specify AG's time zone using:  IANA Time Zone Database  Generic UTC offset

Time offset (+/- hh:mm) from UTC

- Hours 7 Minutes 0

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Select clock source type:  Internal (Local hardware)  External (NTP)

Current Local Date and Time

Year (####) 2017  
Month (1-12) 1  
Day (1-31) 20  
Hour (0-23) 15  
Minute (0-59) 14



### Step 1: Enable AAA, New Subscribers, Credit Card Billing, Transaction Key and MD5 Hash key.

Enable Use NSE's hostname and Domain name if you want to use the DNS name for the NSE instead of its IP address. **NOTE:** Please verify that the NSE responds to the DNS name before using this setting.

**Authentication Authorization and Accounting Settings**

AAA Services  Enable

Options Internal Web Server External Web Server

SSL Support  Enabled ⓘ

Encrypt only Sensitive Data  Enabled

Certificate DNS Name

Portal Page  Enable »

Portal XML POST URL  ⚠ Caution

Portal XML Post Port

Usernames  Enabled ⓘ

New Subscribers  Enabled

Relogin After Timeout  Enabled

Enabled

Credit Card Service

Credit Card Server Authorize.net

Credit Card Server URL  ⚠ Caution

Merchant ID

Use NSE's hostname and DNS domain name  Enabled

Authorize.net:

SIM Compliant  Enabled

Change Transaction Key  (write-only)

Set MD5 Hash Value (Shared Secret)  (write-only)

Smart Client Support  Enabled

Save Save then Reboot ✓ Restore



## Step 2: Configure the Billing Options

### Internal Billing Options Setup

**Normal Plans**

Number Active	Label	
0	Yes	Hourly Plan <a href="#">View/Edit/Delete</a>
1	No	Public Plan <a href="#">View/Edit/Delete</a>
2	No	Label 2 <a href="#">View/Edit/Delete</a>
3	No	Label 3 <a href="#">View/Edit/Delete</a>
4	No	Label 4 <a href="#">View/Edit/Delete</a>
5	No	Label 5 <a href="#">View/Edit/Delete</a>

[New Plan](#)

**XoverY Plans**

Number Active	Label

[New Plan](#)

**Subscriber Messages**

Introduction Message: Please choose from the following plans:

Offer Message: How much Internet access time would you like to purchase?

Policy Message: Contact your service provider with questions.

**Units of Access:**

	Minimum:	Maximum:
Minute	1	967680
Hour	1	16128
Day	1	672
Week	1	96
Month	1	24

**Free Billing Options**

Default Free Access Time: 7 Days

Maximum Subscriber Lifetime: 180 Days (Maximum 180 Days)

**Tax Rate**

Tax Rate: 0.000 Percent

**Promotional Code Options**

	Code Definition	Percentage Discount
1		0
2		0
3		0
4		0
5		0

[Save](#) [Restore](#)

### Internal Billing Options Plan Setup

Plan: 0

Enable:

Label: Hourly Plan

Description of Service: 256K downstream, 128K upstream

Facebook Login:

Plan Duration: 1

**Pricing**

Free for PMS User:

Rate Per Minute: 0.00

Rate Per Hour: 5.95

Rate Per Day: 0.00

Rate Per Week: 0.00

Rate Per Month: 0.00

**Time Unit**

Minute:

Hour:

Private:

Public:

**Class**

Class: (none)

Rate Per Month: 0.00

**Time Unit**

Minute:

Hour:

Day:

Week:

Month:

**Wired for Business**

Wired for Business:

**Bandwidth**

Maximum Uplink: 2048

Maximum Downlink: 5120

**QoS Policy**

QoS Policy: (no policy)

**DHCP Pool**

Private:

Public:

**Class**

Class: (none)

[Save this Plan](#) [Delete this Plan](#) [Clear](#)

[Back](#)



## The User Experience



**Are you a new user? Click this button:**

New User

Please contact your Network Administrator in case of problems.



**Please choose from the following plans.**

Plan Name	Price	Features
<input checked="" type="radio"/> Private Plan	USD 8.95 Day	256K downstream, 128K upstream
<input type="radio"/> Public Plan	USD 9.95 Day	512K downstream, 256K upstream

**How much time of Internet access would you like to purchase?**

Contact your service provider with questions.

Please enter your promotional code.

Submit

Please contact your Network Administrator in case of problems.





**N O M A D I X**



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**Thank you for your business.**

You will be purchasing Internet access with these options:

**Plan** : Private Plan

**Duration** : 1 day

**Price** : USD 8.95

[Purchase](#)

If this is not correct, please go back to the previous page and make the necessary changes.

Please contact your Network Administrator in case of problems.



### Order Information

\* Required Fields

Invoice Number:  
Description: Purchasing Private Plan Internet access  
**Total: US \$8.95**

### Payment Information



Card Number:  \* (enter number without spaces or dashes)  
Expiration Date:  \* (mmyy)

### Billing Information

Customer ID:   
First Name:  Last Name:   
Company:   
Address:   
City:   
State/Province:  Zip/Postal Code:   
Country:   
Email:   
Phone:   
Fax:

### Shipping Information

Copy Billing Information to Shipping Information

First Name:  Last Name:   
Company:   
Address:   
City:   
State/Province:  Zip/Postal Code:   
Country:





## UTC

Local Time Zone	Conversion from UTC	Time at 12:00 UTC
ADT - Atlantic Daylight	-3 hours	9 am
AST - Atlantic Standard EDT - Eastern Daylight	-4 hours	8 am
EST - Eastern Standard CDT - Central Daylight	-5 hours	7 am
CST - Central Standard MDT - Mountain Daylight	-6 hours	6 am
MST - Mountain Standard PDT - Pacific Daylight	-7 hours	5 am
PST - Pacific Standard ADT - Alaskan Daylight	-8 hours	4 am
ALA - Alaskan Standard	-9 hours	3 am
HAW - Hawaiian Standard	-10 hours	2 am
Nome, Alaska	-11 hours	1 am
CET - Central European FWT - French Winter MET - Middle European MEWT - Middle European Winter SWT - Swedish Winter	+1 hour	1 pm
EET - Eastern European, USSR Zone 1	+2 hours	2 pm
BT - Baghdad, USSR Zone 2	+3 hours	3 pm
ZP4 - USSR Zone 3	+4 hours	4 pm
ZP5 - USSR Zone 4	+5 hours	5 pm
ZP6 - USSR Zone 5	+6 hours	6 pm
WAST - West Australian Standard	+7 hours	7 pm
CCT - China Coast, USSR Zone 7	+8 hours	8 pm
JST - Japan Standard, USSR Zone 8	+9 hours	9 pm
EAST - East Australian Standard GST Guam Standard, USSR Zone 9	+10 hours	10 pm
IDLE - International Date Line NZST - New Zealand Standard NZT - New Zealand	+12 hours	Midnight