

# Create Nest Product with Nest Developer Account

## Overview:

In prior versions of NST Manager, the Token that was used for authenticating NST Manager to Nest was an automated process that took place from within the NST Manager SmartApp. This process has now changed and requires the end user (you) to generate their own token by creating a Developer Account on Nest (this is free) and creating a New Product that will allow you to insert the information from this Product into the NST Manager SmartApp.

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# Creating your Nest Developer Account

- Go to [Nest Developer Portal](#) and create a new account (*If you don't have one!*)

## Creating a New Product

- Click on Create New Product.



- The following screen will be displayed:

## Product Details

\* indicates required field.

How will the product name be displayed to the user? [LEARN MORE >](#)

**Description\***

Describe what your product will let customers do, and how your product will interact with Nest devices.

**Categories\***

Select up to two categories

**Users\***

Select targeted number of users


**Support URL\***

Enter support URL

**Default OAuth Redirect URI** [LEARN MORE >](#)

OAuth Redirect URI (Leave blank for PIN-based authorization)

**Additional OAuth Redirect URIs**

Add OAuth Redirect URI... 

**Permissions**

If you change permissions after the product is created, then your users will be notified and required to reauthorize the product with the new permissions.

You can change permission descriptions at any time. Users are not required to reauthorize products when descriptions change.

See a list of data fields in permissions. [LEARN MORE >](#)

## Filling out the Product Information (Part 1):

### 1) Product Name:

- Enter any unique name for your product (This name will be displayed in the Nest Application under “Works With Nest” in Settings).
- If you see the “**Name already in use**”, keep typing and give the product name something unique. The red text will disappear when your name is unique.

### 2) Description\*:

- Copy / Paste the following text:

NST Manager allows you to integrate your Nest products with the SmartThings platform. It can be used to trigger or respond to various device events by using standard SmartThings capabilities. This allows for a high level customization of automations.

### 3) Categories\*:

- Select the following Categories (you select each one individually)
  - a) HVAC
  - b) Home Automation

### 4) Users\*:

- Select Individual

### 5) Support URL\*:

- Copy / Paste the following URL:

<https://community.smartthings.com/t/release-nest-manager-v5-0/83228>

### 6) Default OAuth Redirect URL:

- Copy / Paste the following URL:

<https://graph.api.smartthings.com/oauth/callback>

**Note:** Verify that you didn't accidentally copy / paste the URL with any leading or trailing spaces. Your authentication will fail otherwise.

### 7) Additional OAuth Redirect URIs (Not Required)

- Leave this field blank

## Selecting Permissions (Part 2):

**Note:** There are 9 Permissions that must be selected and set to Read or Read/Write in order for the NST Manager to function appropriately with your Nest Products.

### Permissions

If you change permissions after the product is created, then your users will be notified and required to reauthorize the product with the new permissions.

You can change permission descriptions at any time. Users are not required to reauthorize products when descriptions change.

See a list of data fields in permissions. [LEARN MORE >](#)

<input type="checkbox"/> Away	<input type="checkbox"/> Camera
<input type="checkbox"/> Camera + images	<input type="checkbox"/> ETA read
<input type="checkbox"/> ETA write	<input type="checkbox"/> Energy
<input type="checkbox"/> Postal code	<input type="checkbox"/> Product data <small>Required only if you're using the <a href="#">resource_use API</a>. The Product data permission requires that you first <a href="#">verify your company</a>.</small>
<input type="checkbox"/> Smoke+CO Alarm	<input type="checkbox"/> Structure
<input type="checkbox"/> Thermostat	

Select the following permissions with the appropriate capability and copy / paste the description text

### Away

- read/write v2
- Description to copy / paste:

NST Manager use SmartThings (Presence, Mode, or Switches) to change your Nest's Home/Away status.

### Camera + Images

- read/write v4
- Description to copy / paste:

NST Manager uses many combinations of SmartThings device events to turn your Nest Camera on/off.

### Postal Code

- read v2
- Description to copy / paste:

NST Manager uses your postal code when we are unable to determine your SmartThings location info.

### Smoke + CO Alarm

- read v5
- Description to copy / paste:

NST Manager can trigger delayed alerts in SmartThings Platform that can perform tasks based on the alarm type.

### Thermostat

- read/write v6
- Description to copy / paste:

NST Manager can trigger actions in SmartThings when a temperature, humidity, HVAC mode events occurs.

## Structure

- read/write v1
- Description to copy / paste:

Allow NST Manager to view and control your Nest Structure.

## ETA Write

- write v2
- Description to copy / paste:

NST Manager can allow you to begin warm ups if your one your way home.

## ETA Read

- read v1
- Description to copy / paste:

NST Manager can use the ETA data to view it's current status.

## Security State

- read v1
- Description to copy / paste:

Allow NST Manager to view the locations Security State (if available)

**When completed, the 9 Permissions you selected should match the following:**

Away  read v2  read/write v2

NST Manager use SmartThings (Presence, Mode, or Switches) to change your Nest's Home/Away status.

[Preview](#)

Camera + images  read v4  read/write v4

NST Manager uses many combinations of SmartThings device events to turn your Nest Camera on/off.

[Preview](#)

ETA write  write v2

English | en-US (Default)

NST Manager can allow you to begin warm ups if your one your way home

[Preview](#)

ETA read

read v1

English | en-US (Default)

NST Manager can use the ETA data to view it's current status

[Preview](#)

Security State

read v1

English | en-US (Default)

Allow NST Manager to view the locations Security State (if available)

[Preview](#)

Structure

read/write v1

English | en-US (Default)

Allow NST Manager to view and control your Nest Structure

[Preview](#)

Postal code

read v2

NST Manager uses your postal code when we are unable to determine your SmartThings location info.

[Preview](#)

Smoke+CO Alarm

read v5

NST Manager can trigger delayed alerts in SmartThings Platform that can perform tasks based on the alarm type.

[Preview](#)

Thermostat

read v6

read/write v6

NST Manager can trigger actions in SmartThings when a temperature, humidity, HVAC mode events occurs.

[Preview](#)

## Permissions

Manage your product's permissions. [Learn more >](#)

English | en-US (Default)

### Away read/write v2

NST Manager use SmartThings (Presence, Mode, or Switches) to change your Nest's Home/Away status.

[Preview](#)

### Camera + Images read/write v4

NST Manager uses many combinations of SmartThings device events to turn your Nest Camera on/off.

[Preview](#)

### ETA read read v1

NST Manager can use the ETA data to view it's current status

[Preview](#)

### ETA write write v2

NST Manager can allow you to begin warm ups if your one your way home

[Preview](#)

### Postal code read v2

NST Manager uses your postal code when we are unable to determine your SmartThings location info.

[Preview](#)

### Security State read v1

Allow NST Manager to view the locations Security State (if available)

[Preview](#)

### Smoke+CO Alarm read v5

NST Manager triggers delayed alerts in SmartThings Platform that can perform tasks based on the alarm type.

[Preview](#)

### Structure read/write v1

Allow NST Manager to view and control your Nest Structure

[Preview](#)

### Thermostat read/write v6

NST Manager can trigger actions in SmartThings when a temperature, humidity, HVAC mode events occurs.

[Preview](#)

**After you have completed and verified all of the above, you can proceed by pressing the Create Product button:**

**CREATE PRODUCT**



## Product ID / Product Secret:

Upon successful creation of your product, you will automatically be taken to the Overview screen:

### Overview ✎ Edit

Review and update your product's information. [Learn more >](#)

## NST for SmartThings version 4

<b>Description</b> <p>NST Manager allows you to integrate your Nest products with the SmartThings platform. It can be used to trigger or respond to various device events by using standard SmartThings capabilities. This allows for a high level customization of automations.</p>	<b>Support URL</b> <p><a href="https://community.smarthings.com/t/release-nest-manager-v5-0/83228">https://community.smarthings.com/t/release-nest-manager-v5-0/83228</a></p>
<b>Categories</b> <ul style="list-style-type: none"><li>HVAC</li><li>Home Automation</li></ul>	<b>Default OAuth Redirect URI</b> <p><a href="https://graph.api.smarthings.com/oauth/callback">https://graph.api.smarthings.com/oauth/callback</a></p>
<b>Users</b> <p>1 / 50</p>	

### OAuth


Product ID

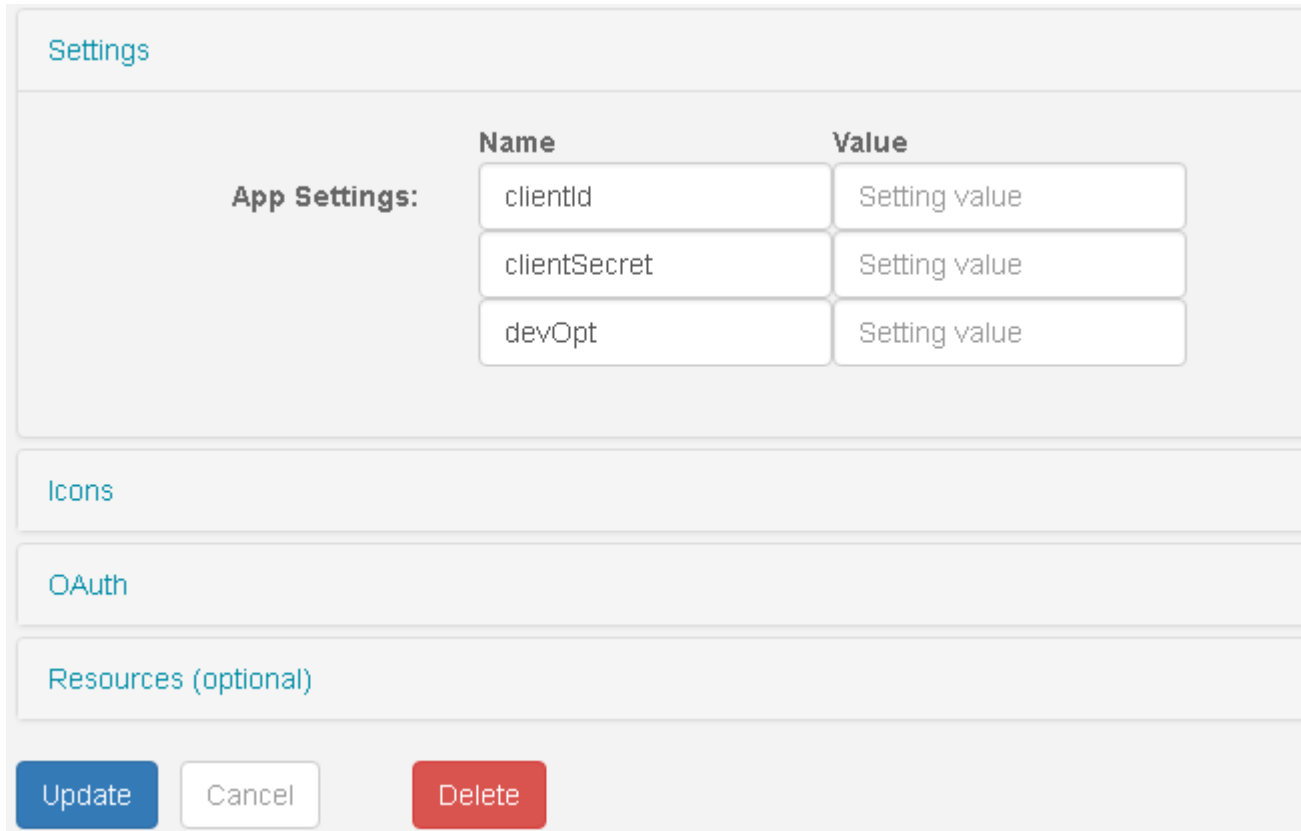
Product Secret

Authorization URL

## Copy / Paste to NST Manager:

- 1) The Product ID and Product Secret above will need to be copied / pasted into the NST Manager SmartApp via IDE.

- 2) Login to IDE for SmartThings (You should already know how to do this as you have added the NST Manager SmartApp using this method already).
- 3) After logging in to IDE, select SmartApps and then press on the  icon on the left side next to NST Manager
- 4) Scroll down and select Settings:



	Name	Value
<b>App Settings:</b>	clientId	Setting value
	clientSecret	Setting value
	devOpt	Setting value

Icons

OAuth

Resources (optional)

- 5) You will copy and paste the following fields from your Nest Developer Overview Console into the settings above in NST Manager IDE:

- 6)
  - Product ID → clientID
  - Product Secret → clientSecret

Notes:

- When copying / pasting the above, verify that you do not have leading or trailing spaces in the fields above. Authentication will fail otherwise.
- Do not share this information with anyone as it is unique to you and your products)
- 

- 7) Press the Update button

If you have not yet, installed NST Manager from the Market Place in the SmartThings Mobile Application, you may proceed with those steps now. For those of you that have already previously installed NST Manager, you can open the NST Manager from Automation / SmartApps and follow the instructions on resetting your existing token.