



# Red Hat 3Scale 2.0

## API Bizops

For Use with Red Hat 3Scale 2.0



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## Abstract

This guide documents business operations with Red Hat 3Scale 2.0.

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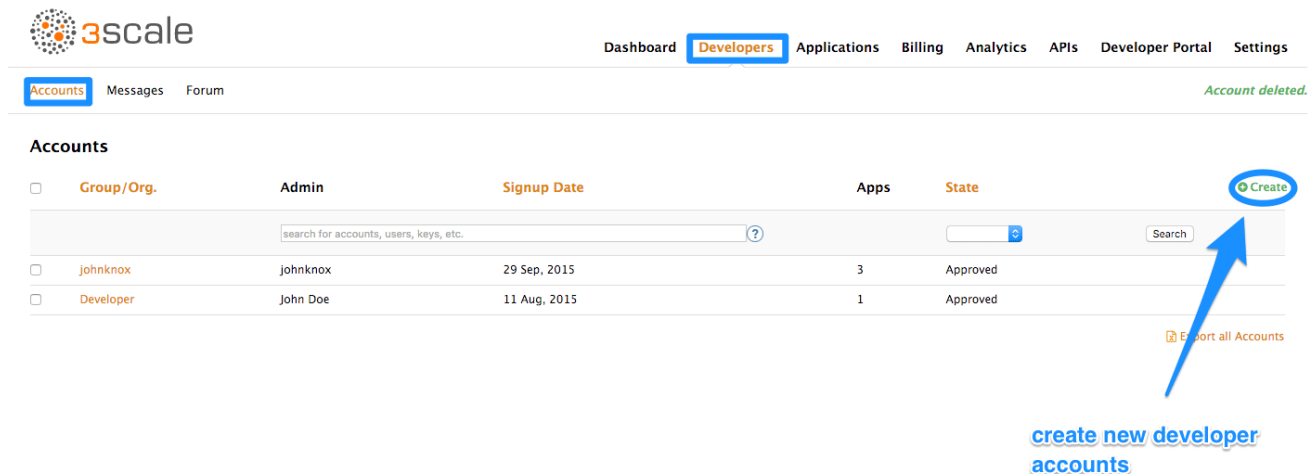
# CHAPTER 1. ADDING DEVELOPERS

These are the steps to add a new developer account for access to your API.

If you have configured the workflow to invite developers manually, this covers how to add new developers.

## 1.1. STEP 1: CREATE THE NEW DEVELOPER ACCOUNT

On the **Accounts** page of your Admin Portal, create the new account. As an admin, you can skip even some of the required fields. If you want to invite users to the account securely, you can also skip the password fields. However the email on this main admin account must be unique among all users.



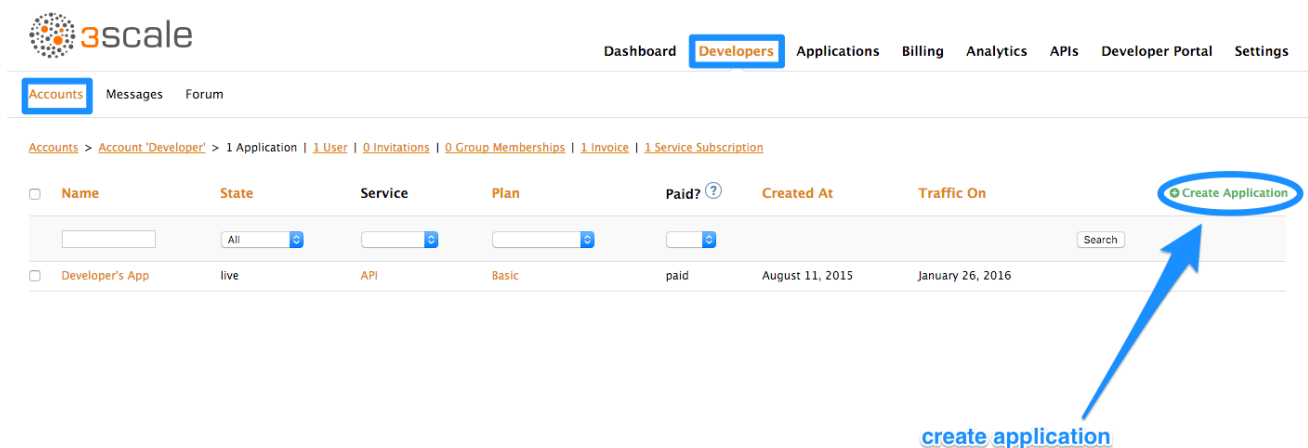
The screenshot shows the 3scale Admin Portal interface. The 'Accounts' page is active, and the 'Developers' tab is selected. A table lists existing accounts. A blue arrow points to the 'Create' button in the top right corner of the table.

<input type="checkbox"/>	Group/Org.	Admin	Signup Date	Apps	State	<a href="#">Create</a>
<input type="checkbox"/>	johnknox	johnknox	29 Sep, 2015	3	Approved	
<input type="checkbox"/>	Developer	John Doe	11 Aug, 2015	1	Approved	

[create new developer accounts](#)

## 1.2. STEP 2: SET UP APPLICATIONS

If you want to pre-configure app keys for the account, you can also add an application on behalf of the developer. Otherwise, leave this as one of the initial steps for the developer to take.



The screenshot shows the 3scale Admin Portal interface. The 'Applications' page is active, and the 'Developer's App' is selected. A table lists existing applications. A blue arrow points to the 'Create Application' button in the top right corner of the table.

<input type="checkbox"/>	Name	State	Service	Plan	Paid?	Created At	Traffic On	<a href="#">Create Application</a>
<input type="checkbox"/>	Developer's App	live	API	Basic	paid	August 11, 2015	January 26, 2016	

[create application](#)

## 1.3. STEP 3: NOTIFY THE DEVELOPER

You can either send an email invitation to the developer manually or follow the steps to use the [invite developer](#) feature.

## CHAPTER 2. APPROVING DEVELOPERS

This section shows how to make approvals for any step in the signup workflow.

Once you've implemented the signup workflow with manual approval steps, you have a few options. The approval process is slightly different depending on the trigger and what is being approved. If you receive an email notification, follow the instructions in the following section. Otherwise, it depends on whether you want to approve an account, a service, or an application.

### 2.1. APPROVE FROM EMAIL NOTIFICATION

If you (as admin) receive an email notification that one of your developers has an item pending approval, you can copy/paste the URL for the item into your browser, and it will take you directly to the page to make the approval.

### 2.2. ACCOUNT APPROVAL

From the **Accounts** page of your Admin Portal, you can search for specific accounts or filter all accounts that are in a “pending” (for approval) state. You can make individual approvals directly on each row, or select several rows at a time and perform a bulk approval.

The screenshot shows the 3Scale Admin Portal interface. At the top, there's a navigation bar with 'Dashboard', 'Developers', 'Applications', 'Billing', 'Analytics', 'APIs', 'Developer Portal', and 'Settings'. Below that, a sub-navigation bar includes 'Accounts', 'Messages', and 'Forum'. The main content area is titled 'Accounts' and features a 'Bulk operations' section with three options: 'Send email', 'Change account plan', and 'Change state'. A blue arrow points from the 'Change state' option to a table of accounts. The table has columns for 'Group/Org.', 'Admin', 'Signup Date', 'Apps', and 'State'. Two rows are visible: one for 'johnknox' (Admin, 29 Sep, 2015, 3 Apps, Approved) and one for 'Developer' (John Doe, 11 Aug, 2015, 1 App, Approved). A blue arrow points to the 'State' column, which has a dropdown menu set to 'Pending'. Another blue arrow points to a 'Search' button in the table's header. At the bottom right of the table, there is an 'Export all Accounts' link. The footer contains 'Privacy', 'Refunds', 'Contact', and 'Powered by 3Scale'.

### 2.3. SERVICE APPROVAL

From the **Service Subscriptions** page, you can search for specific subscriptions to a service or filter all subscriptions that are in a “pending” (for approval) state. Then you can select one subscription or several at a time and perform a bulk approval.



**3scale** Dashboard **Developers** Applications Billing Analytics API Developer Portal Settings

**Accounts** Groups Export Deleted Accounts Deleted Users

**Accounts**

**Bulk operations**  
You have selected 1 accounts and you can make following operations with them:

Send email Send email to selected accounts

**Change state** Approve, reject or make pending selected accounts

Group/Org. Admin Signup Date State Create

search for accounts, users, keys, etc. Pending Search Reset

Group/Org.	Admin	Signup Date	State	Create
Sample1	sample1	19 Feb, 2015	Pending	Approve

## 2.4. APPLICATION APPROVAL

From the **Applications** page, you can search for applications or filter all applications that are in a “pending” (for approval) state. Then you can select one application or several at a time and perform a bulk approval.

**3scale** Dashboard Developers **Applications** Billing Analytics APIs Developer Portal Settings

**Applications** [Perform bulk changes](#)

**Bulk operations**  
You have selected 1 applications and you can make following operations with them:

Send email Send email to owners of selected applications

Change application plan Transfer these applications to different application plan

**Change state** Accept, suspend or resume selected applications

Name State Account Service Plan Paid? Created At Traffic On Search

Name	State	Account	Service	Plan	Paid?	Created At	Traffic On
Developer's App	pending	Developer	API	Basic	paid	August 11, 2015	January 26, 2016
Johnknox's App	live	johnknox	API	Basic	paid	September 29, 2015	
Test Bundle	live	johnknox	Media API	Big Data Bundle	paid	December 18, 2015	January 26, 2016
test_app	live	johnknox	API	Small Data	paid	December 18, 2015	

[Export all Applications](#)

You can also start from the details page for a developer account, select which application you wish to approve from there, and make the approval on the application details page.



### 3scale: Account Summary

[Send message](#) [Edit](#) [Delete](#)

Organization/Group Name	3scale
Status	Created
Administrator	kevin+sample1@3scale.net (kevin+sample1@3scale.net)
Signed up on	February 18, 2016 01:31

#### Application

Name	<b>3scale's App</b>
Service	Train
Plan	Basic
State	<b>Pending</b>

click on the app  
"pending" approval



Hits  
0 hits



### 3scale's App

[Edit](#) [Delete](#)

Description	Description of your default application
Service	Train

**State**  
Pending

**Accept application**  
[Accept](#) or [Reject](#)

**API Credentials**

**User Key**  
897fdc468444dc60ec58825b211a758a

[Regenerate](#)  
[Set Custom Key](#)

**Usage in last 30 Days**

Hits  
0 hits

**Current Utilization**  
This is an unmetered application, there are no limits defined

#### Application Plan: Basic

##### FEATURES

- Unlimited Greetings ✓
- 24/7 support ✗
- Unlimited calls ✗
- [Customize](#)

**Change Plan**

[Change](#)

## CHAPTER 3. CHANGING PLANS FOR AN APP

After this section you will be able to change plans for accounts, services or applications

As admin you may change plans for a developer at any time, or in response to a plan change request that the developer initiates.



### NOTE

The change plans step is slightly different depending on what type of plans are being changed.

### 3.1. CHANGE ACCOUNT PLANS

From the Developers page, you can search or filter specific accounts. Then you can select one or more rows at a time, and change the plans.

The screenshot shows the 3scale web interface. At the top, there is a navigation bar with 'Dashboard', 'Developers' (highlighted), 'Applications', 'Billing', 'Analytics', 'APIs', 'Developer Portal', and 'Settings'. Below this is a sub-navigation bar with 'Accounts' (highlighted), 'Messages', and 'Forum'. The main content area is titled 'Accounts' and includes a 'Bulk operations' section with three options: 'Send email' (Send email to selected accounts), 'Change account plan' (Transfer these accounts to different account plan), and 'Change state' (Approve, reject or make pending selected accounts). Below the operations is a table of accounts with columns for 'Group/Org.', 'Admin', 'Signup Date', 'Apps', and 'State'. The table contains four rows: '3scale' (kevin, 5 Mar, 2016, 1 app, Created), '3scale' (Testx, 23 Feb, 2016, 1 app, Approved), 'Johnknox' (johnknox, 29 Sep, 2015, 5 apps, Approved), and 'Developer' (John Doe, 11 Aug, 2015, 1 app, Approved). There are checkboxes in the left margin of the table, with the first three rows selected. A search bar is located above the table. At the bottom right of the table area, there is an 'Export all Accounts' button. The footer contains 'Privacy', 'Refunds', 'Contact', and 'Powered by 3scale'.

Group/Org.	Admin	Signup Date	Apps	State
3scale	kevin	5 Mar, 2016	1	Created
3scale	Testx	23 Feb, 2016	1	Approved
Johnknox	johnknox	29 Sep, 2015	5	Approved
Developer	John Doe	11 Aug, 2015	1	Approved

### 3.2. CHANGE SERVICE PLANS

From the Service Subscriptions page, which you can only view if you have enabled service plans from the settings page, you can search or filter specific subscriptions to a service. Then you can select one or several subscriptions at a time, and change the plans.



## Service Subscriptions

### Bulk operations

You have selected 3 service subscriptions and you can make following operations with them:

- Send email to selected subscribers
- Transfer these subscriptions to different service plan
- Accept, suspend or resume selected subscriptions

<input type="checkbox"/>	State	Account	Service	Plan	Paid? <sup>?</sup>	Created On
<input type="checkbox"/>	live	3scale	API	Default	free	March 05, 2016
<input checked="" type="checkbox"/>	live	3scale	API	Default	free	February 23, 2016
<input checked="" type="checkbox"/>	live	johnknox	Media API	Default	free	December 18, 2015
<input checked="" type="checkbox"/>	live	johnknox	API	Default	free	September 29, 2015
<input type="checkbox"/>	live	Developer	API	Default	free	August 11, 2015

## 3.3. CHANGE APPLICATION PLANS

From the Applications page, you can search or filter specific applications. Then you can select one or several applications at a time, and change plans.



## Applications

### Bulk operations

You have selected 4 applications and you can make following operations with them:

- Send email to owners of selected applications
- Transfer these applications to different application plan
- Accept, suspend or resume selected applications

<input type="checkbox"/>	Name	State	Account	Service	Plan	Paid? <sup>?</sup>	Created At	Traffic On
<input checked="" type="checkbox"/>	3scale's App	live	3scale	API	Basic	paid	March 05, 2016	
<input type="checkbox"/>	Alert_tester	suspended	johnknox	Media API	Big Data Bundle	paid	March 02, 2016	March 2, 2016
<input checked="" type="checkbox"/>	3scale's App	suspended	3scale	API	Big Data	free	February 23, 2016	
<input checked="" type="checkbox"/>	Tester	live	johnknox	Media API	Big Data Bundle	paid	February 18, 2016	
<input checked="" type="checkbox"/>	Test Bundle	live	johnknox	Media API	Big Data Bundle	paid	December 18, 2015	March 2, 2016
<input type="checkbox"/>	test_app	live	johnknox	API	Test 1	free	December 18, 2015	
<input type="checkbox"/>	johnknox's App	live	johnknox	API	Basic	paid	September 29, 2015	
<input type="checkbox"/>	Developer's App	live	Developer	API	Basic	paid	August 11, 2015	January 26, 2016

[Export all Applications](#)

Another scenario is to start from the details page for a developer Account. From there you select the application for which you wish to change plan. On the application details page, you can change the plan.

[Account '3scale'](#) > [Application '3scale's App'](#) > [Stats](#) | [API Request Log](#)


### 3scale's App

[Edit](#) [Delete](#)

Description	Description of your default application
Service	API

State	<span>✓</span> Live <span>suspend</span>
-------	--

<b>API Credentials</b>	
<b>User Key</b>	
d2b59b354a05aa1b006d2d4b8178585b	
<a href="#">Regenerate</a> <a href="#">Set Custom Key</a>	

<b>Usage in last 30 Days</b>	
	
Hits	0 hits

<b>Current Utilization</b>			
Overview of the current state of this application's limits			
Metric Name	Period	Values	%
Hits (hits)	per minute	0/10	0.0

#### Application Plan: Basic

##### FEATURES

 Unlimited Greetings ✓

 24/7 support ✗

 Unlimited calls ✗

##### LIMITS

Hits 10 hit / minute

 Echo ✓

##### COST

Hits 1 - 100 hit 0.0001

[Customize](#)

#### Change Plan

 [Change](#)
 Unlimited

 Small Data

 Big Data

 Test 1

### 3.3.1. More Information

If rather than change to another standard plan, you only want to make a change for one specific app, you can use the [customize plans](#) feature.

## CHAPTER 4. CONTACTING DEVELOPERS

This guide explains how to find out which developer account manages a particular application and then communicate with them – both through 3scale and externally.

During API operations, you may urgently need to contact developers who are using your API.

### 4.1. STEP 1: LOCATE THE RELEVANT APPLICATION AND ACCOUNT IN THE SYSTEM

If you already know the account and developer who manages the application in question, you can navigate to their account from the **Accounts** tab as shown below.

The screenshot shows the 3Scale dashboard with the 'Accounts' tab selected. The 'Developers' tab in the top navigation bar is highlighted with a blue box. The 'Accounts' tab in the sub-navigation bar is also highlighted with a blue box. The main content area displays a table of accounts with the following columns: Group/Org., Admin, Signup Date, Apps, and State. A search box is located above the table with the placeholder text 'search for accounts, users, keys, etc.'. The table contains 18 rows of account data, each with an 'Activate' button. At the bottom of the table, there is a pagination control showing 'Previous 1 2 3 4 5 6 7 8 9 ... 28 29 Next' and an 'Export all Accounts' link.

Group/Org.	Admin	Signup Date	Apps	State	Actions
org-20151223-18	user-20151223-18	23 Dec, 2015	3	Created	Activate
org-20151223-17	user-20151223-17	23 Dec, 2015	3	Created	Activate
org-20151223-16	user-20151223-16	23 Dec, 2015	3	Created	Activate
org-20151223-15	user-20151223-15	23 Dec, 2015	3	Created	Activate
org-20151223-14	user-20151223-14	23 Dec, 2015	3	Created	Activate
org-20151223-13	user-20151223-13	23 Dec, 2015	3	Created	Activate
org-20151223-12	user-20151223-12	23 Dec, 2015	3	Created	Activate
org-20151223-11	user-20151223-11	23 Dec, 2015	3	Created	Activate
org-20151223-10	user-20151223-10	23 Dec, 2015	3	Created	Activate
org-20151223-9	user-20151223-9	23 Dec, 2015	3	Created	Activate
org-20151223-8	user-20151223-8	23 Dec, 2015	3	Created	Activate
org-20151223-7	user-20151223-7	23 Dec, 2015	3	Created	Activate
org-20151223-6	user-20151223-6	23 Dec, 2015	3	Created	Activate
org-20151223-5	user-20151223-5	23 Dec, 2015	3	Created	Activate
org-20151223-4	user-20151223-4	23 Dec, 2015	3	Created	Activate
org-20151223-3	user-20151223-3	23 Dec, 2015	3	Created	Activate
org-20151223-2	user-20151223-2	23 Dec, 2015	3	Created	Activate
org-20151223-1	user-20151223-1	23 Dec, 2015	3	Created	Activate
org-20151223-0	user-20151223-0	23 Dec, 2015	3	Created	Activate
org-20151222-17	user-20151222-17	22 Dec, 2015	3	Created	Activate

If you only have the application ID or API key, you can use the search box on the **Accounts** tab to find the relevant account. More information on locating applications is available [here](#).

### 4.2. STEP 2: SEND AN INTERNAL MESSAGES TO DEVELOPERS

Once you're on the account profile page as shown below, click on the message icon.

The screenshot shows the 3scale account summary page for 'org-20151223-18'. The 'Send message' button is highlighted with a blue box and a blue arrow pointing to it, with the text 'Send Message' overlaid in large blue letters. The page displays account details, billing status, and applications.

**Accounts** Subscriptions Messages Forum

Accounts > Account 'org-20151223-18' > Users | Invitations | Group Permissions | Invoices | Applications | Services

**org-20151223-18: Account Summary**

[Send message](#) [Edit](#) [Delete](#)

**Organization/Group Name** org-20151223-18

**Status** Created

**Administrator** user-20151223-18 (20151223-18@3scaletest.net)

**Signed up on** December 23, 2015 13:04

**Account Plan: Standard**

**FEATURES**

test ✖

Yossi ✖

[Customize](#)

**Billing Status**

✖ Credit Card details are not stored

✓ Monthly charging is enabled. [Disable](#)

✓ Monthly billing is enabled. [Disable](#)

**Applications** [Create Application](#)

**API signup (SMS API - Live)**

Hits  
0 hits

**API signup (VOICE API - Live)**

Hits  
0 hits

**API signup (METADATA API - Live)**

Hits  
0 hits

Privacy Refunds Contact Powered by 3scale

The message created here will be sent both to the account system dashboard, where all developers on the account will see it, and by email to the people on the developer account who have admin status within the account.

### 4.3. STEP 3: CONTACT BY OTHER MEANS

If it's an emergency and email is unlikely to be fast enough for your purposes, you can also use the contact information submitted by the developer at time of signup, which is available:

- On the company account page (general contact information but may include a phone number)
- Developer/user specific information on the users' own file

Note that you can make contact phone numbers a required field upon signup.

## CHAPTER 5. CUSTOMIZE PLANS

When you have completed this section you will have customized an application plan for a specific developer.

Application plans are a good way to apply standard policies for different segments of your developer community. However, you always have the flexibility to customize the standard plans for any individual developer with unique requirements.

Once a plan is customized, you lose the link to the original plan. If you make changes to the original plan, the custom plan does not inherit any of those changes. So you should use this customization feature sparingly, before you become overwhelmed with too many custom plans which you cannot manage effectively.

A developer wants to increase their current limits without upgrading to the next pricing tier as the current billing period is already under way. A customization could be a good way to handle this situation by enabling the increase in limits and charging only the variable costs incurred. This would also help encourage an upgrade for the following billing month.

### 5.1. STEP 1: CHOOSE THE ACCOUNT

First you should view the details page for the developer Account you are interested in.

The screenshot shows the 3scale dashboard with the 'Accounts' page selected. The 'Accounts' table is as follows:

Group/Org.	Admin	Signup Date	Apps	State
Signup_test1	Kevin+finicity@3scale.net	11 Mar, 2016	1	Created
3scale	kevin	5 Mar, 2016	1	Created
johnknox	johnknox	29 Sep, 2015	5	Approved
Developer	John Doe	11 Aug, 2015	2	Approved

### 5.2. STEP 2: SELECT THE APPLICATION

Select the application whose plan you wish to customize.

The screenshot shows the 3scale dashboard with the 'Developer's App' page selected. The application list is as follows:

Name	State	Service	Plan	Paid?	Created At	Traffic On
Tester1	live	Media API	Big Data Bundle	paid	March 13, 2016	
Developer's App	live	API	Basic	paid	August 11, 2015	January 26, 2016

### 5.3. CUSTOMIZE THE APPLICATION PLAN



Select the option to “customize”. This provides the page where all the plan elements can be customized for the application owned by this account.



Dashboard Developers **Applications** Billing Analytics APIs Developer Portal Settings

Account 'Developer' > Application 'Developer's App' > Stats | [API Request Log](#)

### Developer's App

[Edit](#) [Delete](#)

**Description** Description of your default application  
**Service** API

**State**  
 ✓ Live suspend

#### API Credentials

##### User Key

78f225354b2d40150534cd642897786f

[Regenerate](#)  
[Set Custom Key](#)

#### Usage in last 30 Days



#### Current Utilization

Overview of the current state of this application's limits

Metric Name	Period	Values	%
Hits (hits)	per minute	0/10	0.0

#### Application Plan: Basic

##### FEATURES

Unlimited Greetings ✓  
 24/7 support ✗  
 Unlimited calls ✗

##### LIMITS

Hits 10 hit / minute  
 Echo ✓

##### COST

Hits 1 - 100 hit 0.0001

[Customize](#)

#### Change Plan

[Change](#)

### 5.3.1. More Information

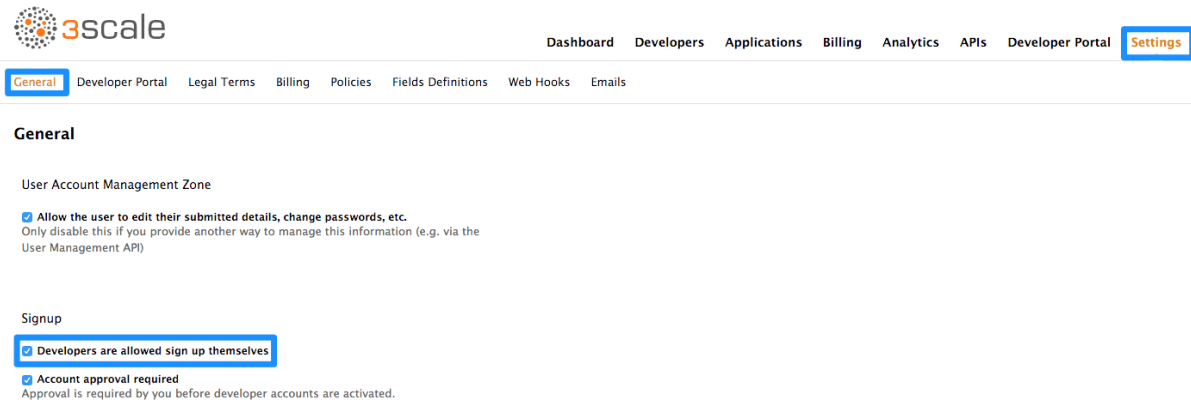
Before you take the step to customize plans, always consider first if you are not better off with a new standard plan (which can be hidden from display in the Developer Portal). Then you would just [change to the standard plan](#) and so gain the benefit of reuse if this applies to more than one of your developer partners.

## CHAPTER 6. ENABLE SIGNUP

Configure developer signup by implementing self-service or manual mode.

You can configure the workflow for developers to be self-service or by manual invite only. Self-service signups are done by developers through the Developer Portal, while manual invites are handled by your admins through the Admin Portal.

All you have to do is change the checkbox toggle to signup enabled.



The screenshot shows the 3scale web interface. At the top left is the 3scale logo. A navigation bar contains links for Dashboard, Developers, Applications, Billing, Analytics, APIs, Developer Portal, and Settings (highlighted with a blue box). Below this is a sub-navigation bar with links for General (highlighted), Developer Portal, Legal Terms, Billing, Policies, Fields Definitions, Web Hooks, and Emails. The main content area is titled "General" and contains two sections: "User Account Management Zone" and "Signup". The "Signup" section has two checkboxes: "Developers are allowed sign up themselves" (checked and highlighted with a blue box) and "Account approval required" (checked). Below the second checkbox is the text "Approval is required by you before developer accounts are activated."

---

## CHAPTER 7. FINDING APPLICATIONS

By the end of this guide, you'll be able to quickly locate an application in the Dashboard based on either its name, an API key, or an application identifier.

During API operations, you may need to be able to find information on an application that is accessing your API quickly – either for support purposes, to change configuration, or potentially because the application is misbehaving and needs to be disabled.

### 7.1. STEP 1: GET THE INFORMATION YOU NEED

To find an application, you need to know something about it – the name of the account it belongs to or the application's name. If you have this, locating it is straightforward from the **Applications** tab in the Dashboard. However you may have no information other than the application identifier or its API key, for example if you're seeing this information in your own access logs.

If you're searching by identifier then for the different authentication types, you need the following information:

- For API key-only authentication patterns: the API key
- For app ID and app key authentication patterns: the app identifier (search by app key is not supported)
- For OAuth authentication patterns: the client\_id (search on the secret is not supported)

### 7.2. STEP 2: SEARCH FOR THE APPLICATION

Armed with whatever data you have, head to the **Applications** area of the Dashboard, and use the search box (shown in the image below).

## Applications

Name	State	Account	Service	Plan	Paid? <sup>?</sup>	Created At	Traffic On
<input type="text"/>	All <input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>	<input type="text"/>
<input type="text"/>							<input type="text"/>
<input type="checkbox"/> API signup	live	org-20151223-18	SMS API	Sandbox	paid	December 23, 2015	
<input type="checkbox"/> API signup	live	org-20151223-18	VOICE API	Sandbox	paid	December 23, 2015	
<input type="checkbox"/> API signup	live	org-20151223-18	METADATA API	API signup	free	December 23, 2015	
<input type="checkbox"/> API signup	live	org-20151223-17	SMS API	Sandbox	paid	December 23, 2015	
<input type="checkbox"/> API signup	live	org-20151223-17	VOICE API	Sandbox	paid	December 23, 2015	
<input type="checkbox"/> API signup	live	org-20151223-17	METADATA API	API signup	free	December 23, 2015	
<input type="checkbox"/> API signup	live	org-20151223-16	SMS API	Sandbox	paid	December 23, 2015	
<input type="checkbox"/> API signup	live	org-20151223-16	VOICE API	Sandbox	paid	December 23, 2015	
<input type="checkbox"/> API signup	live	org-20151223-16	METADATA API	API signup	free	December 23, 2015	
<input type="checkbox"/> API signup	live	org-20151223-15	SMS API	Sandbox	paid	December 23, 2015	
<input type="checkbox"/> API signup	live	org-20151223-15	VOICE API	Sandbox	paid	December 23, 2015	
<input type="checkbox"/> API signup	live	org-20151223-15	METADATA API	API signup	free	December 23, 2015	
<input type="checkbox"/> API signup	live	org-20151223-14	SMS API	Sandbox	paid	December 23, 2015	
<input type="checkbox"/> API signup	live	org-20151223-14	VOICE API	Sandbox	paid	December 23, 2015	
<input type="checkbox"/> API signup	live	org-20151223-14	METADATA API	API signup	free	December 23, 2015	
<input type="checkbox"/> API signup	live	org-20151223-13	SMS API	Sandbox	paid	December 23, 2015	
<input type="checkbox"/> API signup	live	org-20151223-13	VOICE API	Sandbox	paid	December 23, 2015	
<input type="checkbox"/> API signup	live	org-20151223-13	METADATA API	API signup	free	December 23, 2015	
<input type="checkbox"/> API signup	live	org-20151223-12	SMS API	Sandbox	paid	December 23, 2015	
<input type="checkbox"/> API signup	live	org-20151223-12	VOICE API	Sandbox	paid	December 23, 2015	

← Previous 1 2 3 4 5 6 7 8 9 ... 84 85 Next →

[Export all Applications](#)

## 7.3. STEP 3: ACCESS APPLICATION INFORMATION

Once the results are returned, click on the application you'd like to access and you'll be taken to that application's homepage, which includes information such as that shown in the image below.



## Applications

<input type="checkbox"/> Name	State	Account	Service	Plan	Paid? <sup>?</sup>	Created At	Traffic On
<input type="checkbox"/> API signup	live	org-20151223-18	SMS API	Sandbox	paid	December 23, 2015	
<input type="checkbox"/> API signup	live	org-20151223-18	VOICE API	Sandbox	paid	December 23, 2015	
<input type="checkbox"/> API signup	live	org-20151223-18	METADATA API	API signup	free	December 23, 2015	
<input type="checkbox"/> API signup	live	org-20151223-17	SMS API	Sandbox	paid	December 23, 2015	
<input type="checkbox"/> API signup	live	org-20151223-17	VOICE API	Sandbox	paid	December 23, 2015	
<input type="checkbox"/> API signup	live	org-20151223-17	METADATA API	API signup	free	December 23, 2015	
<input type="checkbox"/> API signup	live	org-20151223-16	SMS API	Sandbox	paid	December 23, 2015	
<input type="checkbox"/> API signup	live	org-20151223-16	VOICE API	Sandbox	paid	December 23, 2015	
<input type="checkbox"/> API signup	live	org-20151223-16	METADATA API	API signup	free	December 23, 2015	
<input type="checkbox"/> API signup	live	org-20151223-15	SMS API	Sandbox	paid	December 23, 2015	
<input type="checkbox"/> API signup	live	org-20151223-15	VOICE API	Sandbox	paid	December 23, 2015	
<input type="checkbox"/> API signup	live	org-20151223-15	METADATA API	API signup	free	December 23, 2015	
<input type="checkbox"/> API signup	live	org-20151223-14	SMS API	Sandbox	paid	December 23, 2015	
<input type="checkbox"/> API signup	live	org-20151223-14	VOICE API	Sandbox	paid	December 23, 2015	
<input type="checkbox"/> API signup	live	org-20151223-14	METADATA API	API signup	free	December 23, 2015	
<input type="checkbox"/> API signup	live	org-20151223-13	SMS API	Sandbox	paid	December 23, 2015	
<input type="checkbox"/> API signup	live	org-20151223-13	VOICE API	Sandbox	paid	December 23, 2015	
<input type="checkbox"/> API signup	live	org-20151223-13	METADATA API	API signup	free	December 23, 2015	
<input type="checkbox"/> API signup	live	org-20151223-12	SMS API	Sandbox	paid	December 23, 2015	
<input type="checkbox"/> API signup	live	org-20151223-12	VOICE API	Sandbox	paid	December 23, 2015	

← Previous 2 3 4 5 6 7 8 9 ... 84 85 Next →

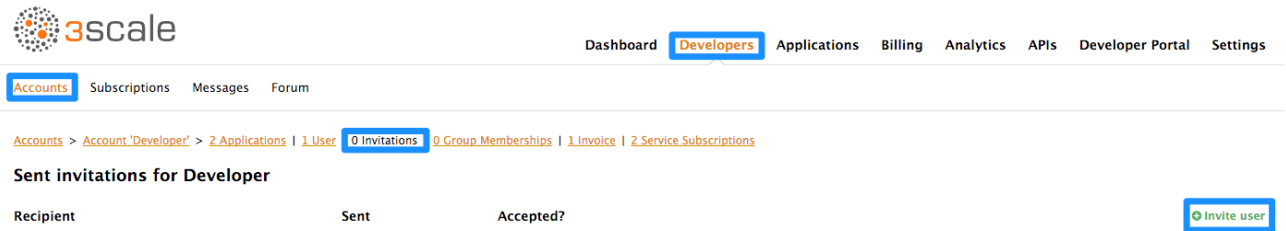
[Export all Applications](#)**Select the App to check**

## CHAPTER 8. INVITING DEVELOPERS

After completing these steps, you will have added a new developer user to a developer account.

When you create a developer account manually, you can invite developer users to that account through the Admin Portal.

From **Developers > Accounts** page, select “invitations” and then “invite a user”.



The screenshot shows the 3scale Admin Portal interface. At the top left is the 3scale logo. The main navigation bar includes Dashboard, Developers (highlighted), Applications, Billing, Analytics, APIs, Developer Portal, and Settings. Below this is a secondary navigation bar with Accounts (highlighted), Subscriptions, Messages, and Forum. A breadcrumb trail reads: Accounts > Account 'Developer' > 2 Applications | 1 User | 0 Invitations (highlighted) | 0 Group Memberships | 1 Invoice | 2 Service Subscriptions. The page title is 'Sent invitations for Developer'. Below the title is a table with columns: Recipient, Sent, and Accepted?. An 'Invite user' button is located in the top right corner of the table area.

## CHAPTER 9. SUSPENDING APPLICATIONS

This guide explains how to disable all keys and access tokens for an application.

If an application is misusing your API and affecting other traffic, you may need to quickly suspend its operations before contacting the developer involved to ask them to amend their code or configuration.

### 9.1. STEP 1: FIND THE APPLICATION

You can find the application from the **Accounts** or **Applications** tabs or by searching as described [here](#).

### 9.2. STEP 2: DISABLE THE APPLICATION

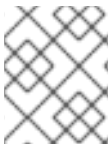
Once you have located the application and see the application summary page, click the suspend icon below the name of the application. This action will immediately disable the application from the API and suspend all keys from working. Calls with these application keys will be rejected by the control system.

The application can be unsuspended using the same button once the problematic behavior has been rectified.

The screenshot shows the 3scale dashboard with the 'Applications' tab selected. The breadcrumb trail is 'Account Metadata-user Org' > Application 'Metadata-user Org's App' > Stats > API Request Log. The application name 'Metadata-user Org's App' is highlighted with a blue box. Below the name are 'Edit' and 'Delete' icons. The application details are as follows:

- Description:** Description of your default application
- Service:** METADATA API
- State:** Live suspend (with a green checkmark icon)
- API Credentials:**
  - Client ID:** 793d777a
  - Client Secret:** 7a37a114ce297b49eabe021c9ddd5ed0 (with a 'Regenerate' icon)
  - Redirect URL:** Change (with a green plus icon)
- Usage in last 30 Days:** A line graph showing hits over time, with a total of 904,000 hits.
- Application Plan: API signup**
  - LIMITS:**
    - Search:** 25 hit / day
    - Retrieve:** 75 hit / day
    - Reports:** 500 hit / week
  - Customize (with a green plus icon)
- Change Plan:** A dropdown menu and a 'Change' button.

A blue arrow points to the 'Live suspend' button, with the text 'Suspend the App' overlaid on it.



#### NOTE

If you use caching in your agents, suspension may not be immediate but require a short timeout.

### 9.3. STEP 3: CONTACT THE DEVELOPER

How you contact the developer of the application will depend on your workflow and policy. On the same page, you can click on the account name under the submenu, which will take you to the account view where you can identify the key administrator of the account that owns the application. You can contact them either by email or by clicking on the send message button as shown, which will generate a dashboard message for the user.



**org-20151223-18: Account Summary**

[Send message](#) [Edit](#) [Delete](#)

<b>Organization/Group Name</b>	org-20151223-18
<b>Status</b>	Created
<b>Administrator</b>	user-20151223-18 (20151223-18@3scaletest.net)
<b>Signed up on</b>	December 23, 2015 13:04

**Account Plan: Standard**

**FEATURES**

- test ✖
- Yossi ✖

[Customize](#)

**Billing Status**

- ✖ Credit Card details are not stored.
- ✔ Monthly charging is enabled. [Disable](#)
- ✔ Monthly billing is enabled. [Disable](#)

**Applications** [Create Application](#)

<b>API signup (SMS API - Live)</b>	HITS 0 hits
<b>API signup (VOICE API - Live)</b>	HITS 0 hits
<b>API signup (METADATA API - Live)</b>	HITS 0 hits



## CHAPTER 10. WEBHOOKS

By the end of this section, you'll be able to configure and take action on the webhooks for your Developer Portal.

The use of webhooks allows you to tightly integrate 3scale with your back-office workflow. When specified events happen within the 3scale system, your applications will be notified with a webhook message, and you can use the data such as from a new account signup to populate your CRM system.

### 10.1. INTRODUCING WEBHOOKS

A webhook is a custom HTTP callback triggered by an event. In the 3scale system, all the possible events are displayed as in the screenshot below.

The screenshot shows the 3scale Developer Portal interface. The navigation bar includes 'Dashboard', 'Developers', 'Applications', 'Billing', 'Analytics', 'APIs', 'Developer Portal', and 'Settings'. The 'Web Hooks' tab is selected. The 'Webhooks' section contains a form with a 'URL\*' field, a 'Webhooks are' toggle set to 'OFF', and a checkbox for 'Dashboard actions fire web hooks'. A blue arrow points to the 'OFF' toggle with the text 'Enable webhooks'. Below the form is a 'Settings' section with a table of events and checkboxes for each.

Accounts	Users	Applications	Keys
<input type="checkbox"/> Create	<input type="checkbox"/> Create	<input type="checkbox"/> Create	<input type="checkbox"/> Key created
<input type="checkbox"/> Update	<input type="checkbox"/> Update	<input type="checkbox"/> Update	<input type="checkbox"/> Key deleted
<input type="checkbox"/> Plan Changed	<input type="checkbox"/> Delete	<input type="checkbox"/> Suspended	<input type="checkbox"/> Key updated
<input type="checkbox"/> Delete		<input type="checkbox"/> Plan Changed	
		<input type="checkbox"/> API key changed	

When one of these events occurs, the 3scale system makes an HTTP (or HTTPS) request to the URI configured in the webhooks section. On your end, you can configure the listener to invoke some desired behavior such as event tracking.

The remaining two checkboxes on the screenshot turn on webhooks ("Webhooks are" switch) and allow webhooks to be fired by actions in the Admin Portal. The default behavior is to trigger webhooks only by actions triggered from within the Developer Portal. Bear in mind that this means not all events can be triggered.

### 10.2. WEBHOOKS FORMAT

The format of the webhook is always the same. It makes a post to the endpoint with an XML document of the following structure:

```
<?xml version="1.0" encoding="UTF-8"?>
<event>
  <type>application</type>
  <action>updated</action>
  <object>
    THE APPLICATION OBJECT AS WOULD BE RETURNED BY A GET ON THE ACCOUNT
```

```
MANAGEMENT
  API
</object>
</event>
```

The `<type>` gives you the subject of the event such as "application", "account", etc. The `<action>` – what has been done such as "updated", "created", "deleted". Finally the `<object>` is the XML object itself in the same format that is returned by the Account Management API. To check this, you can use our interactive ActiveDocs, available in your Admin Portal, under the **Documentation** → **3scale API Docs** section.

If you need to provide assurance that the webhook was fired by 3scale, expose an HTTPS webhook URL and add a custom parameter to your webhook declaration in 3scale. For example: <https://your-webhook-endpoint?someSecretParameterName=someSecretParameterValue>. Decide on the parameter name and value. Then, inside your webhook endpoint, check for the presence of this parameter value.

## 10.3. TROUBLESHOOTING

If you want to experiment with the webhooks or troubleshoot issues, you may find RequestBin a great (and free) service to view the results of the webhooks: <http://requestb.in/>

If you experience an outage for your listening endpoint, you can recover failed deliveries. 3scale will consider a webhook delivered if your endpoint responds with a 200 code. Otherwise, it will retry 5 times with a 60 seconds gap. After any recovery from an outage, or periodically, you should run a check and if applicable clean up the queue. You can find more in the [ActiveDocs](#) for the two methods:

- Webhooks list failed deliveries
- Webhooks delete failed deliveries