

Apache NiFi Registry User Guide

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Introduction

Apache NiFi Registry—a subproject of Apache NiFi—is a complementary application that provides a central location for storage and management of shared resources across one or more instances of NiFi and/or MiNiFi.

The first implementation of the Registry supports versioned flows. Process group level dataflows created in NiFi can be placed under version control and stored in a registry. The registry organizes where flows are stored and manages the permissions to access, create, modify or delete them.

See the [System Administrator's Guide](#) for information about Registry system requirements, installation, and configuration. Once NiFi Registry is installed, use a supported web browser to view the UI.

Browser Support

Browser	Version
Chrome	Current and Current - 1
FireFox	Current and Current - 1
Safari	Current and Current - 1

Current and Current - 1 indicates that the UI is supported in the current stable release of that browser and the preceding one. For instance, if the current stable release is 62.X then the officially supported versions will be 62.X and 61.X.

For Safari, which releases major versions much less frequently, Current and Current - 1 simply represent the two latest releases.

The supported browser versions are driven by the capabilities the UI employs and the dependencies it uses. UI features will be developed and tested against the supported browsers. Any problem using a supported browser should be reported to Apache NiFi.

Unsupported Browsers

While the UI may run successfully in unsupported browsers, it is not actively tested against them. Additionally, the UI is designed as a desktop experience and is not currently supported in mobile browsers.

Viewing the UI in Variably Sized Browsers

In most environments, all of the UI is visible in your browser. However, the UI has a responsive design that allows you to scroll through screens as needed, in smaller sized browsers or tablet environments.



Note: The minimum recommended screen size is 1080px X 445px.

Terminology

Flow: A process group level NiFi dataflow that has been placed under version control and saved to the Registry.

Bundle: A binary artifact containing one or more extensions that can be run in NiFi or MiNiFi.

Bucket: A container that stores and organizes versioned items, such as flows and bundles.

Policy: Defines a user or group's ability to perform a given action.

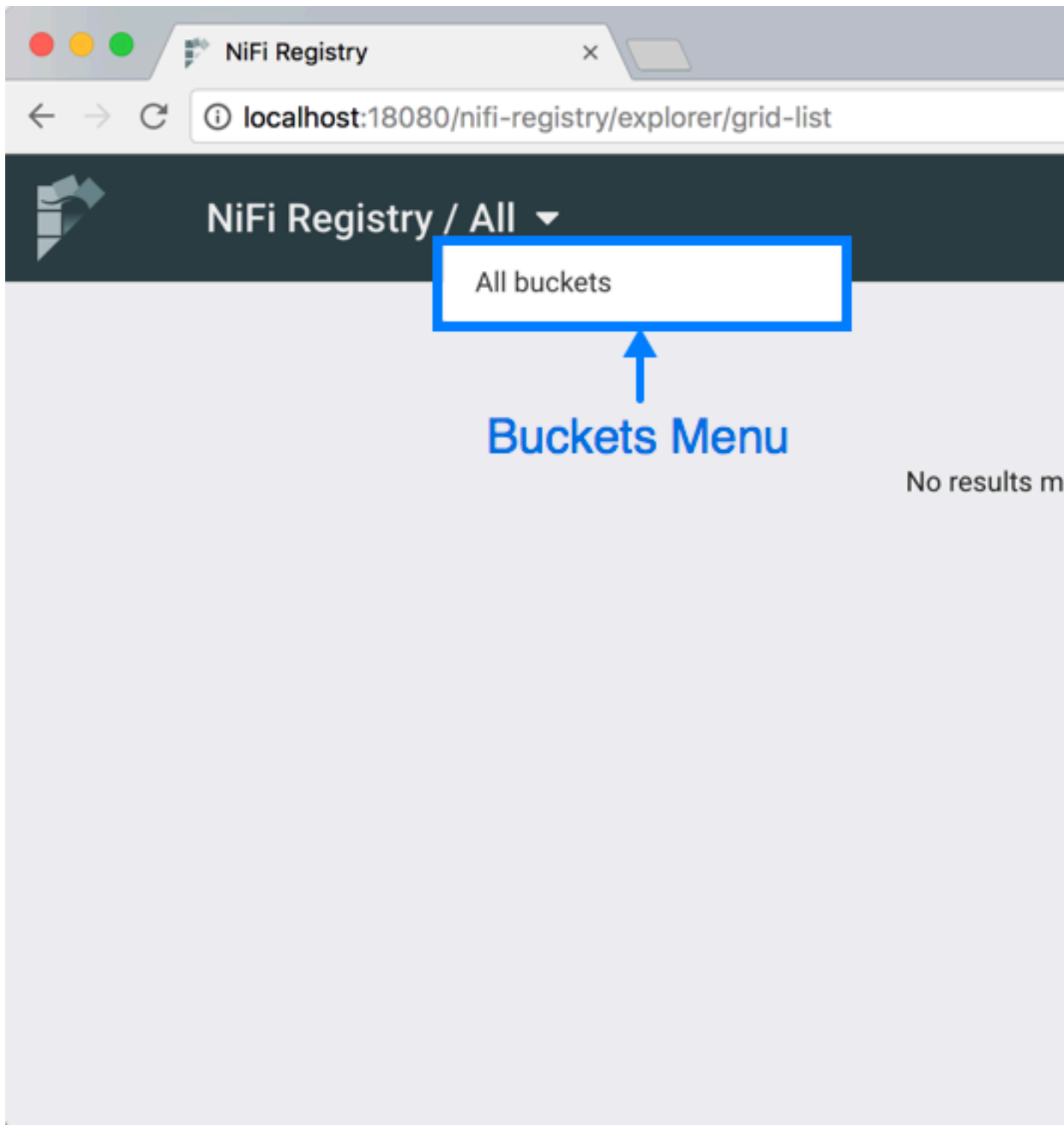
NiFi Registry User Interface



The NiFi Registry UI displays the shared resources available and provides mechanisms for creating and administering users/groups, buckets and policies.

When the application is started, the user is able to navigate to the UI by going to the default address of

`http://<hostname>:18080/nifi-registry` in a web browser. There are no permissions configured by default, so anyone is able to view and modify the flows and buckets. For information on securing the system, see the [System Administrator's Guide](#).

When an administrator navigates to the UI for the first time, the registry is empty as there are no flow resources available to share yet:

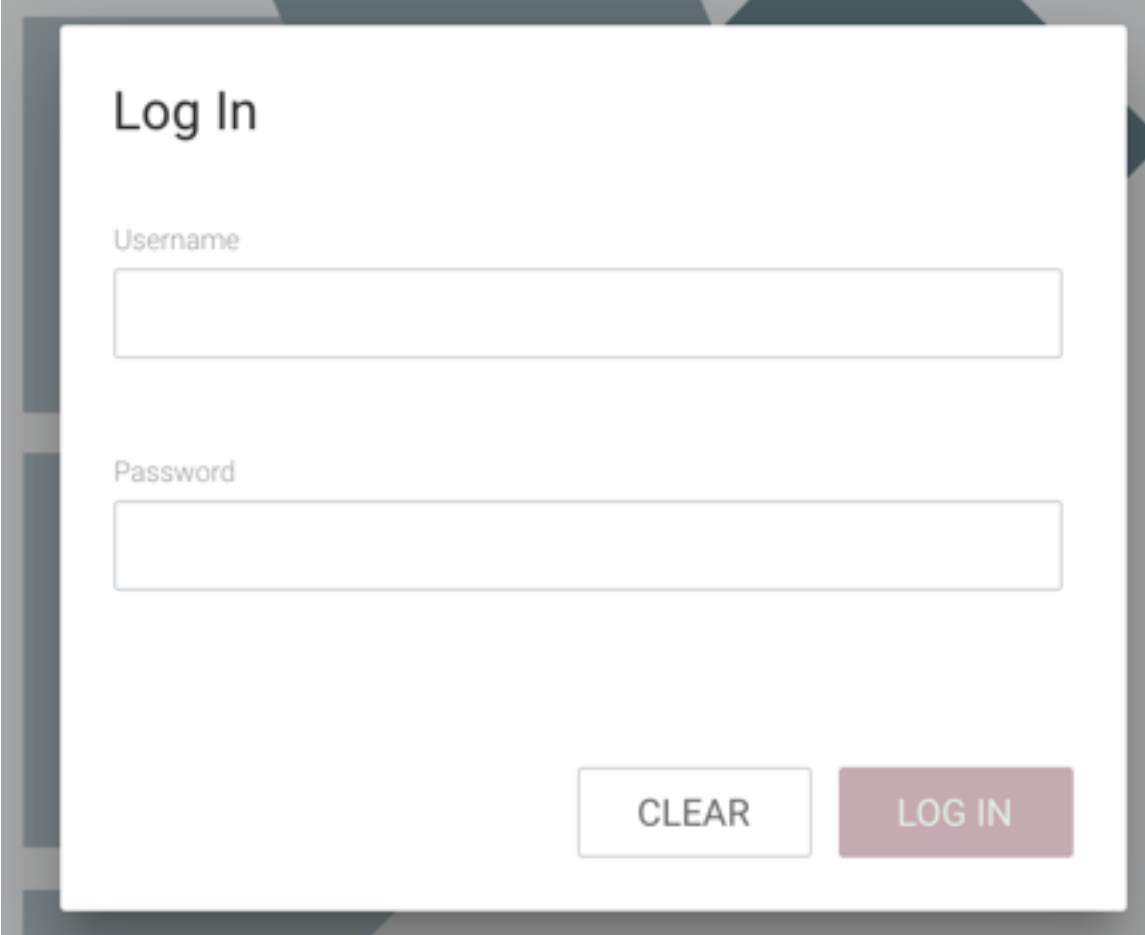


The Buckets menu is available at the top left of the screen. It allows the user to display flows based on which bucket they are contained in. On the top right of the screen is the Settings button () which accesses functionality for managing users, groups, buckets and policies. Next to the Settings button is the Help button () which accesses the NiFi Registry Documentation.

Logging In

If NiFi Registry is configured to run securely, users will have to be granted permissions to buckets by an administrator. For information on configuring NiFi Registry to run securely, see the [System Administrator's Guide](#).

If the user is logging in with their username/password they will be presented with a screen to do so.




The screenshot shows a login form titled "Log In". It contains two input fields: "Username" and "Password". Below the input fields are two buttons: "CLEAR" and "LOG IN".

Manage Flows

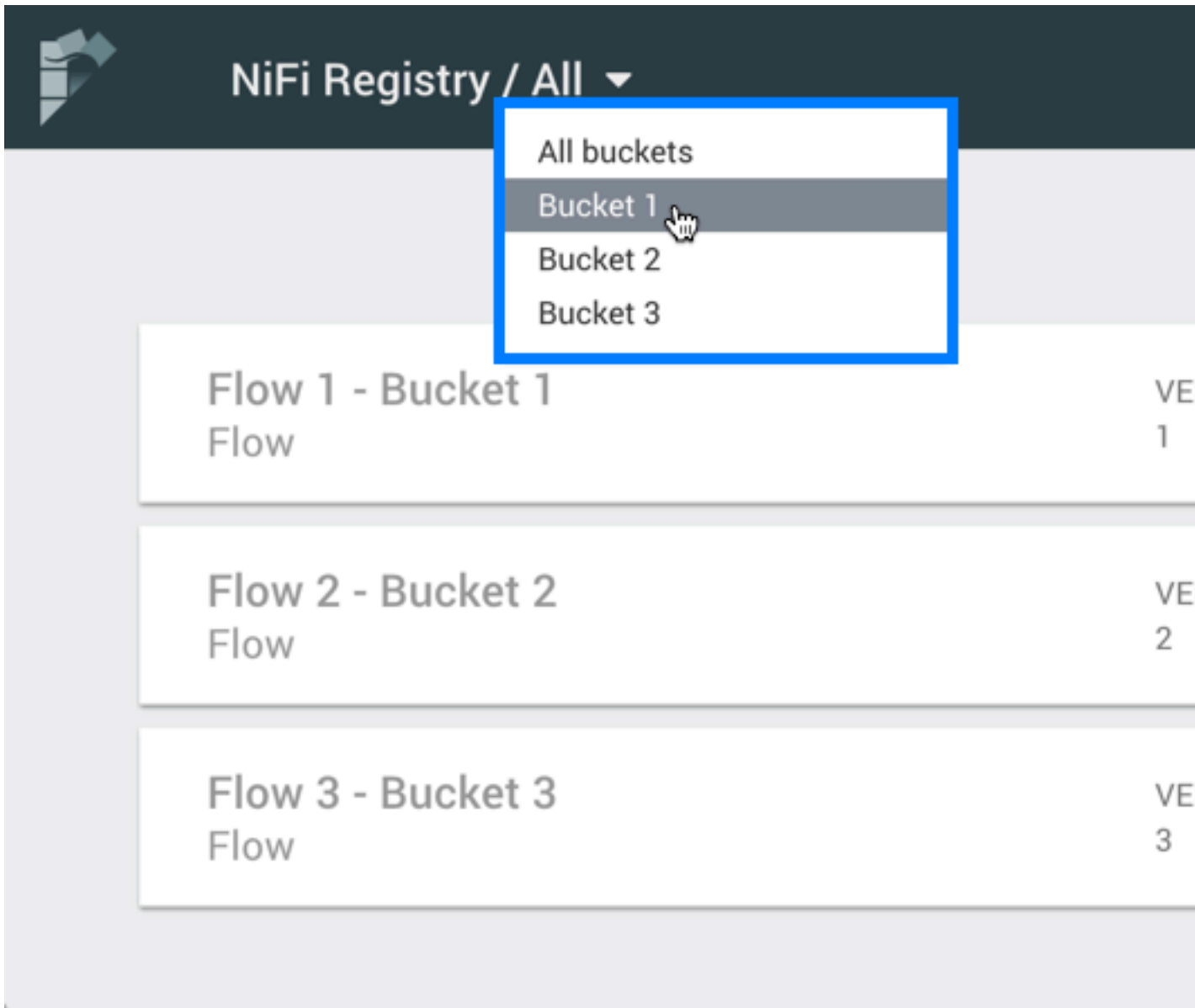
View a Flow

Flows in all buckets are listed in the main window of the UI by default. If the registry is secured, only the flows in the buckets that the user has access to are listed.



NiFi Registry / All ▼	
Flow 1 - Bucket 1 Flow	VE 1
Flow 2 - Bucket 2 Flow	VE 2
Flow 3 - Bucket 3 Flow	VE 3

To see the flows in a particular bucket, select that bucket from the drop-down menu at the top left of the UI.



The screenshot shows the NiFi Registry interface. At the top, there is a dark header with the NiFi logo and the text "NiFi Registry / All" followed by a dropdown arrow. A dropdown menu is open, showing four options: "All buckets", "Bucket 1", "Bucket 2", and "Bucket 3". The "Bucket 1" option is highlighted with a mouse cursor. Below the header, there is a list of three flows, each in a white box with a grey border. The first flow is "Flow 1 - Bucket 1" with a version of "1". The second flow is "Flow 2 - Bucket 2" with a version of "2". The third flow is "Flow 3 - Bucket 3" with a version of "3".

Flow Name	Version
Flow 1 - Bucket 1 Flow	1
Flow 2 - Bucket 2 Flow	2
Flow 3 - Bucket 3 Flow	3

Click on a flow to see its Description and Change Log:



NiFi Registry / All ▾

Flow 1 - Bucket 1
Flow

VER
1

Flow 2 - Bucket 2
Flow

VER
2

DESCRIPTION

Description 2

CHANGE LOG



Version 2 - 40 minutes ago
by registry_user

Add processors

Dec-26-2017 at 11:23 PM

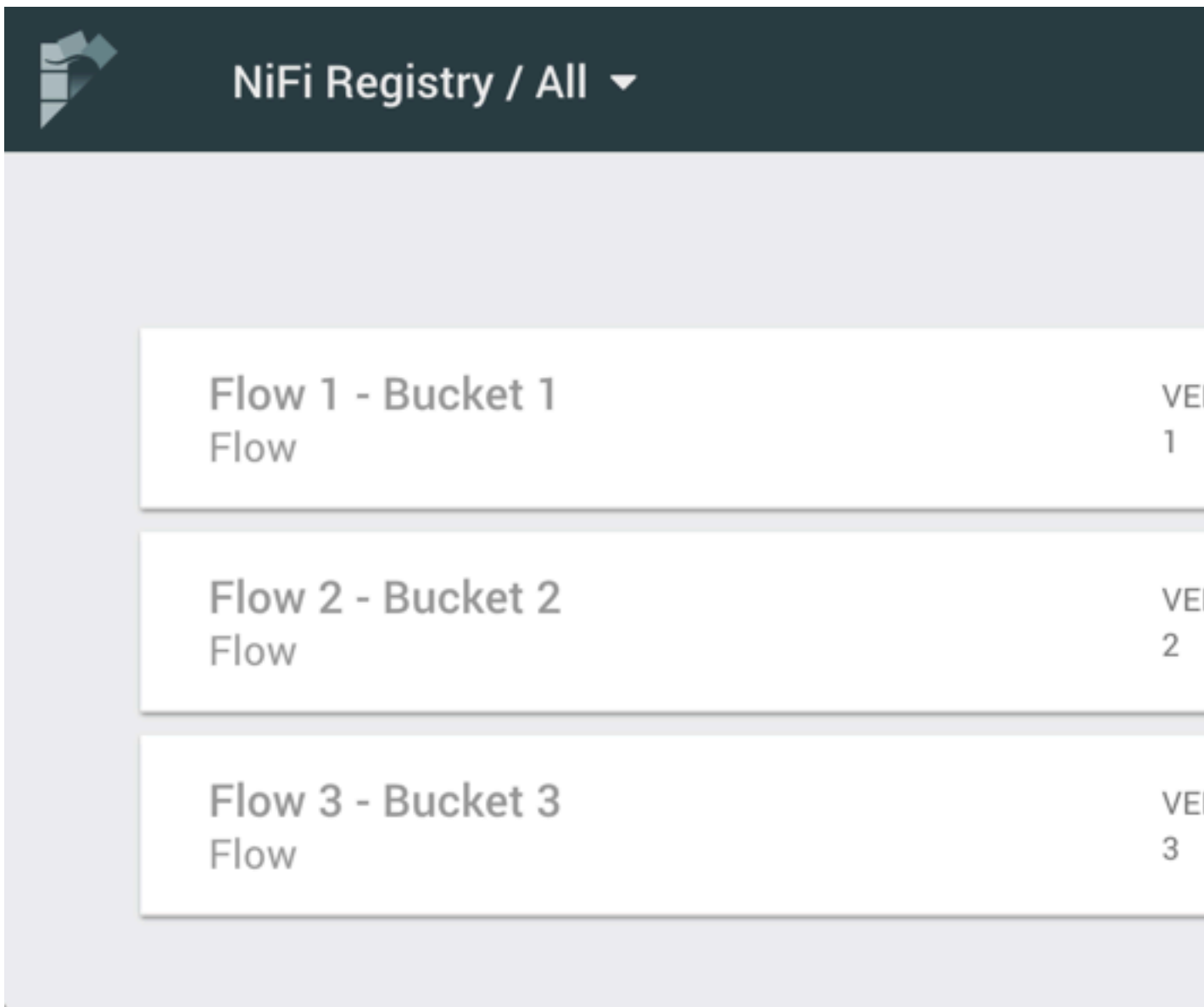


Version 1 - 41 minutes ago
by registry_user

The Change Log includes all versions that were saved for a flow. Clicking on the version reveals details about when the version was saved, which user committed the save, and any comments entered by the user.

Sorting & Filtering Flows

Flows can be sorted alphabetically by Name (ascending or descending) or by Update (newest or oldest) using the drop-down at the top right of the UI.



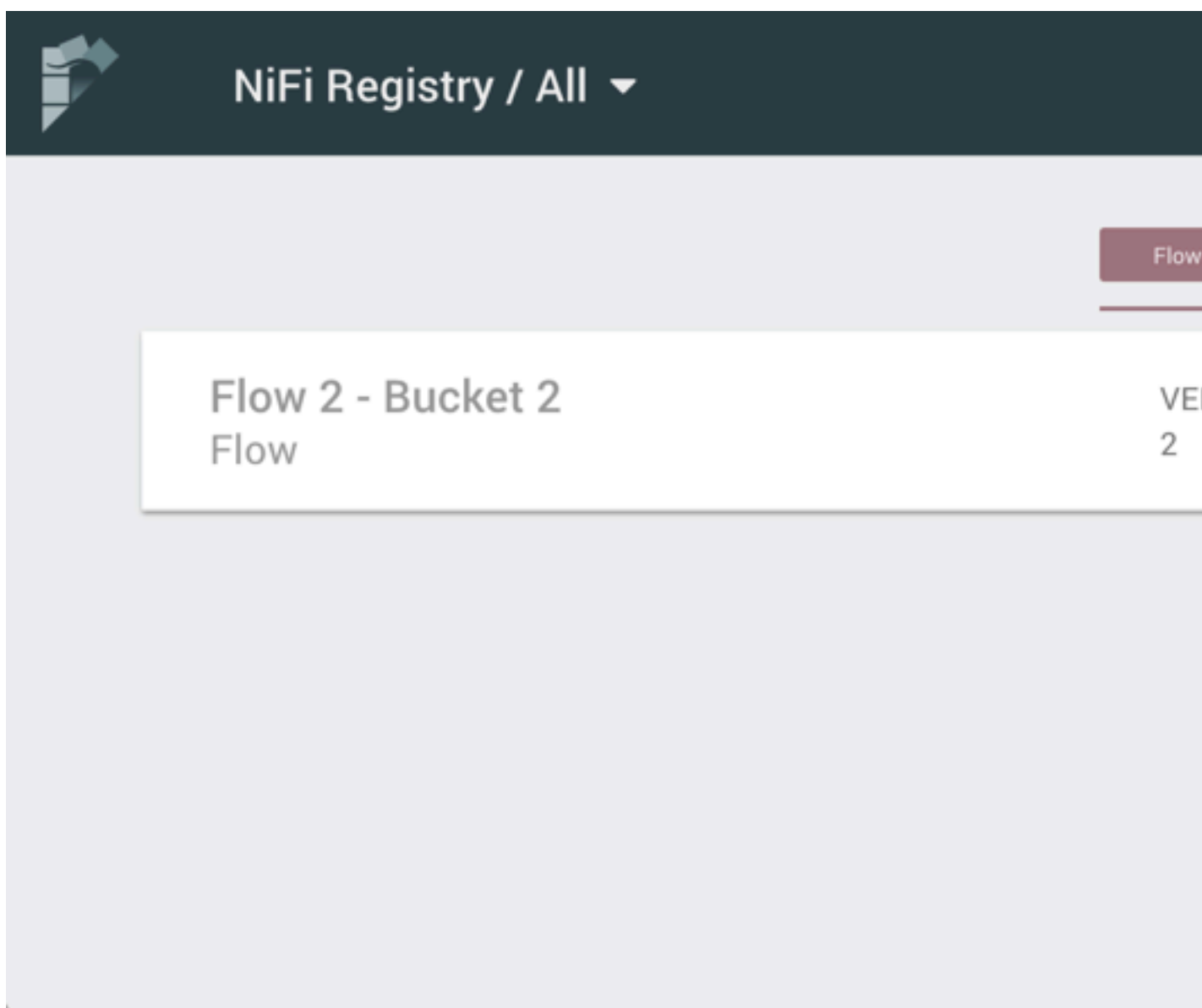
The screenshot shows the NiFi Registry interface. At the top, there is a dark header with the NiFi logo and the text "NiFi Registry / All" followed by a dropdown arrow. Below the header, there is a list of three flow entries, each in a white box with a thin border. The first entry is "Flow 1 - Bucket 1" with a version of "1". The second entry is "Flow 2 - Bucket 2" with a version of "2". The third entry is "Flow 3 - Bucket 3" with a version of "3".

Flow Name	Version
Flow 1 - Bucket 1 Flow	VE 1
Flow 2 - Bucket 2 Flow	VE 2
Flow 3 - Bucket 3 Flow	VE 3

The flow list can be filtered by:

- flow name
- flow description
- flow ID
- bucket name
- bucket ID

Here is an example filtering by flow name:

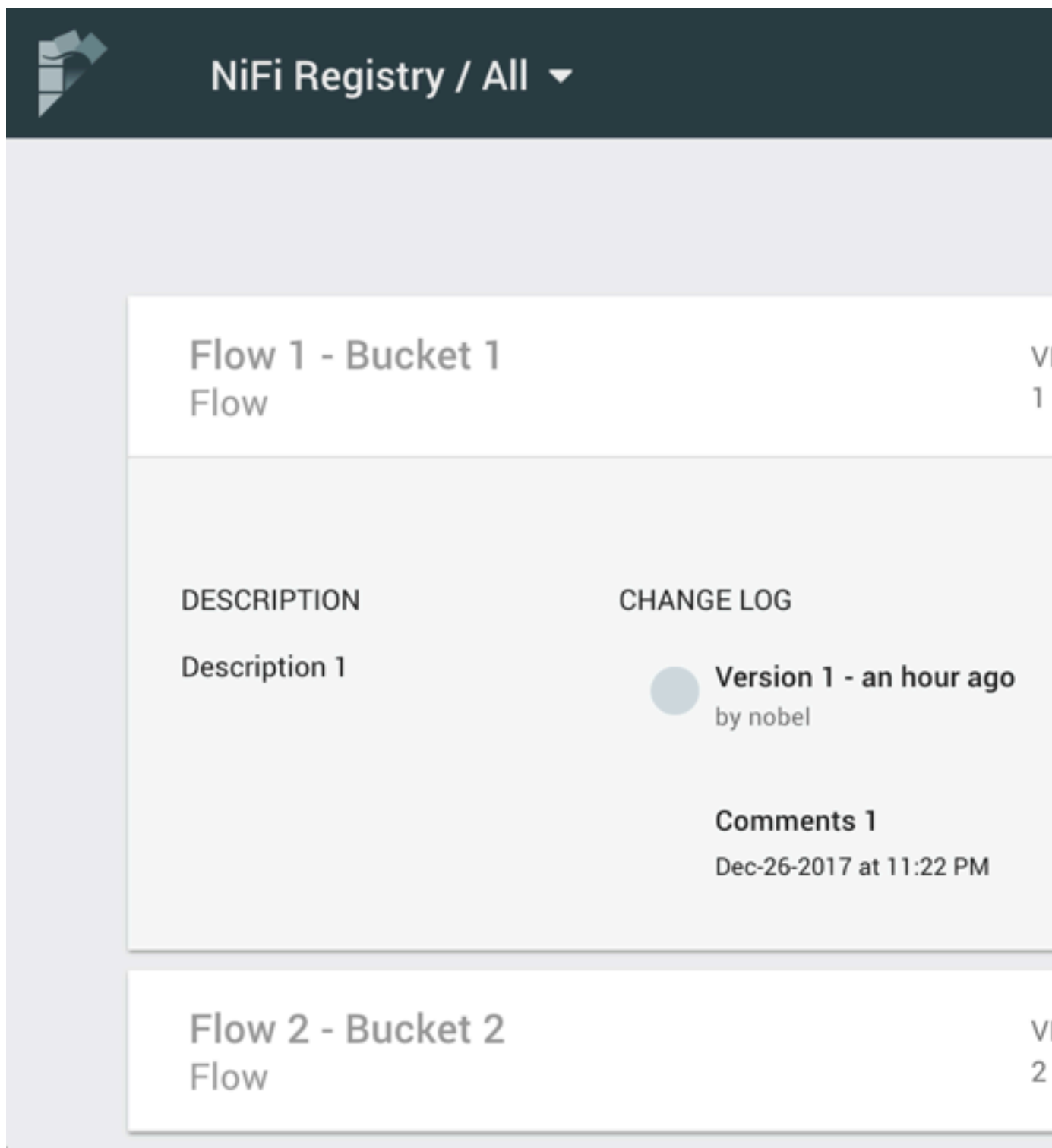


Delete a Flow

To delete a flow from the registry:

1. Click on the flow to see its details.

2. Select the "Actions" drop-down and click the "Delete" menu option.



The screenshot displays the NiFi Registry interface. At the top, there is a dark header with the NiFi logo and the text "NiFi Registry / All" with a dropdown arrow. Below the header, a list of flows is shown. The first flow is "Flow 1 - Bucket 1" with a version of 1. The details for this flow are expanded, showing a description of "Description 1" and a change log with one entry: "Version 1 - an hour ago by nobel". There is also a "Comments 1" section with a comment from "Dec-26-2017 at 11:22 PM". The second flow, "Flow 2 - Bucket 2", is partially visible below.

NiFi Registry / All

Flow 1 - Bucket 1
Flow

DESCRIPTION
Description 1

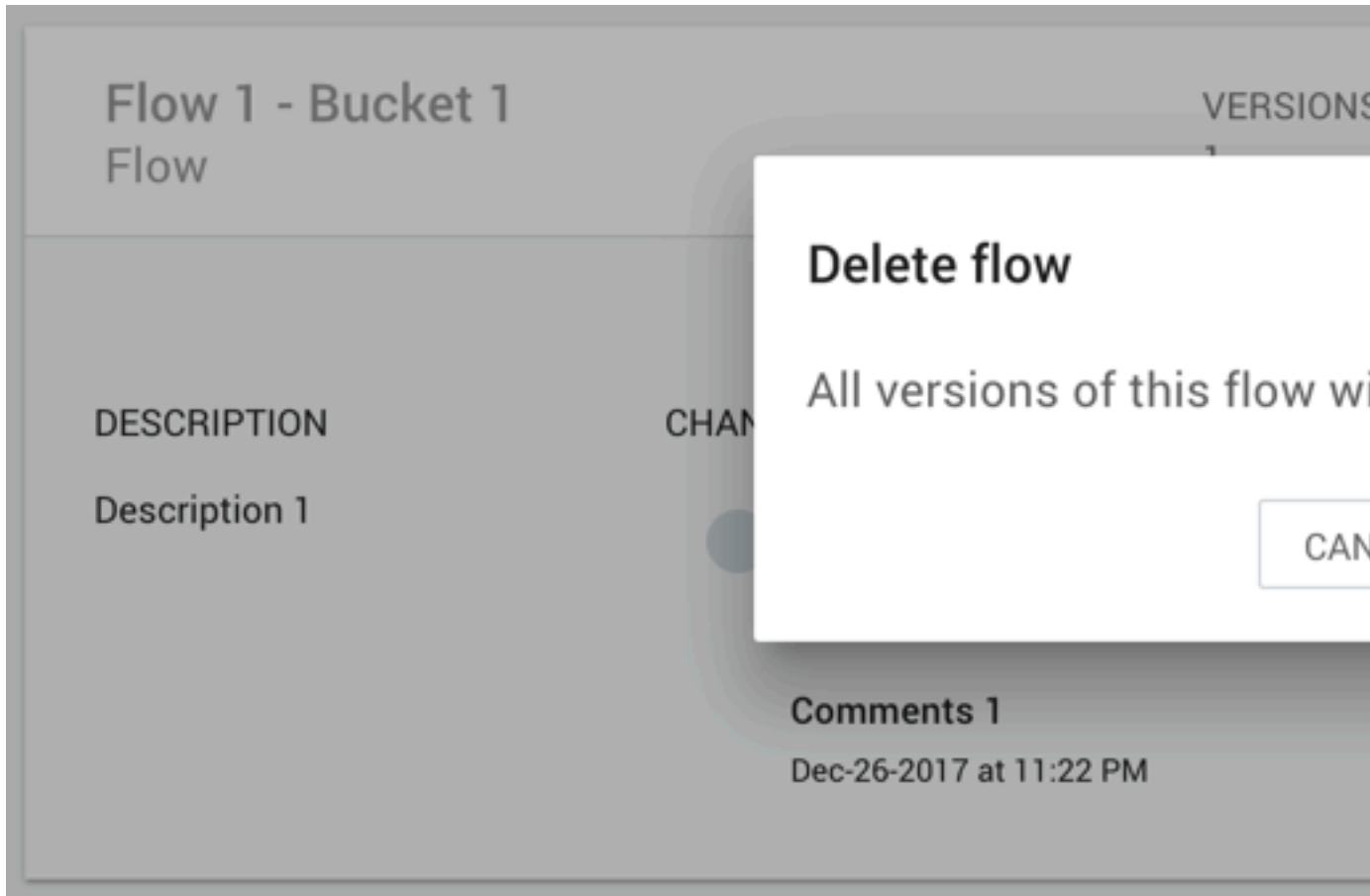
CHANGE LOG

- **Version 1 - an hour ago**
by nobel

Comments 1
Dec-26-2017 at 11:22 PM


Flow 2 - Bucket 2
Flow

3. Select "Delete" to confirm.



Note: It is possible to delete a flow that is actively being used in NiFi.

Manage Buckets

To manage buckets, enter the Administration section of the Registry by clicking the Settings button () on the top right of the UI. The Buckets window appears by default.

Sorting & Filtering Buckets

Buckets can be sorted alphabetically by Name (ascending or descending) using the up/down arrows.



NiFi Registry / Administration

BUCKETS

USERS

Buckets (24)

Bucket Name ▲

Bucket 1

Bucket 2

Bucket 3

Bucket 4

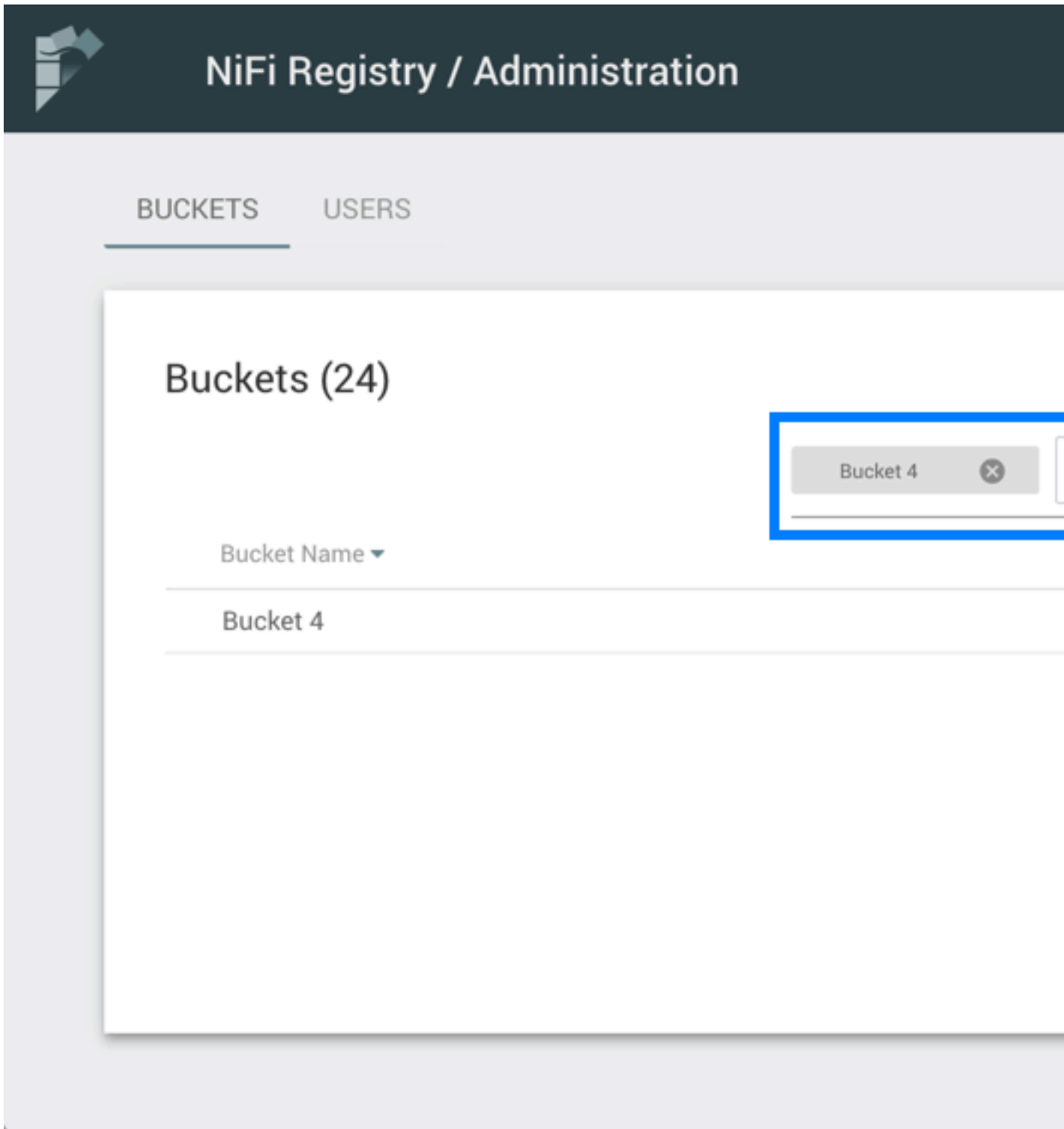
Bucket 5

Bucket 6

The buckets listed can be filtered by:

- bucket name
- bucket description
- bucket ID

Here is an example filtering by bucket name:



The screenshot shows the NiFi Registry Administration interface. At the top, there is a dark header with the NiFi logo and the text "NiFi Registry / Administration". Below the header, there are two tabs: "BUCKETS" and "USERS". The "BUCKETS" tab is selected and underlined. The main content area is titled "Buckets (24)". On the right side, there is a search bar with a blue border containing the text "Bucket 4" and a close button (X). Below the search bar, there is a dropdown menu labeled "Bucket Name" with a downward arrow. The dropdown menu is open, showing a single option "Bucket 4".

Create a Bucket

A bucket is needed in our registry to store and organize NiFi dataflows. To create one, select the Settings icon



() in the top right corner of the screen. In the Buckets window, select the "New Bucket" button.



NiFi Registry / Administration

BUCKETS

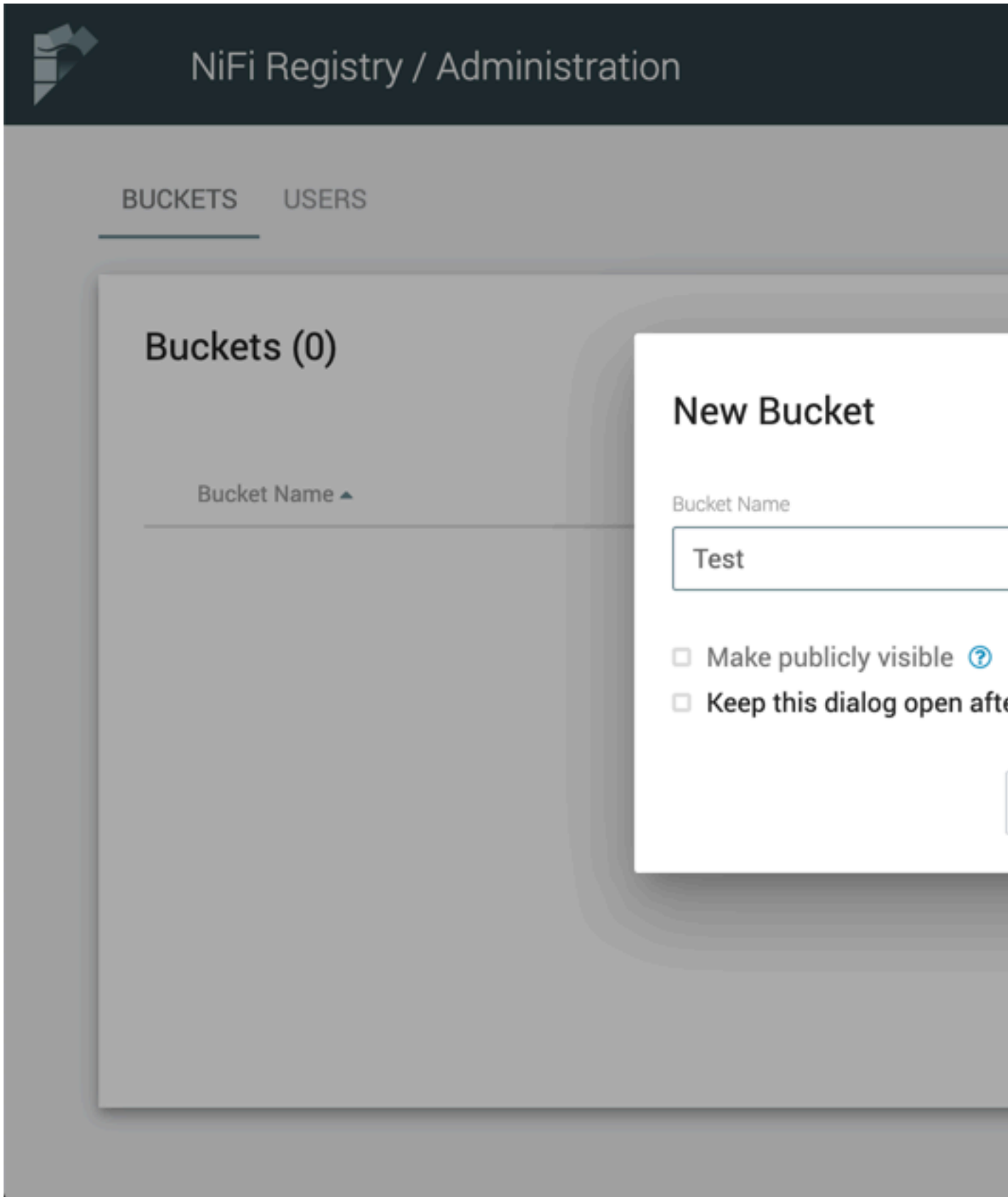
USERS

Buckets (0)

Bucket Name ▼

No results

Enter the bucket name "Test" and select the "Create" button.



The screenshot displays the NiFi Registry Administration interface. At the top, there is a dark header with the NiFi logo and the text "NiFi Registry / Administration". Below the header, there are two tabs: "BUCKETS" and "USERS". The "BUCKETS" tab is selected and underlined. The main content area shows "Buckets (0)" and a "Bucket Name" input field. A "New Bucket" dialog box is open on the right side of the screen. The dialog box has a title "New Bucket" and a "Bucket Name" input field containing the text "Test". Below the input field, there are two checkboxes: "Make publicly visible" (with a help icon) and "Keep this dialog open after".

The "Test" bucket is created:



NiFi Registry / Administration

BUCKETS

USERS

Buckets (1)

Bucket Name ▲

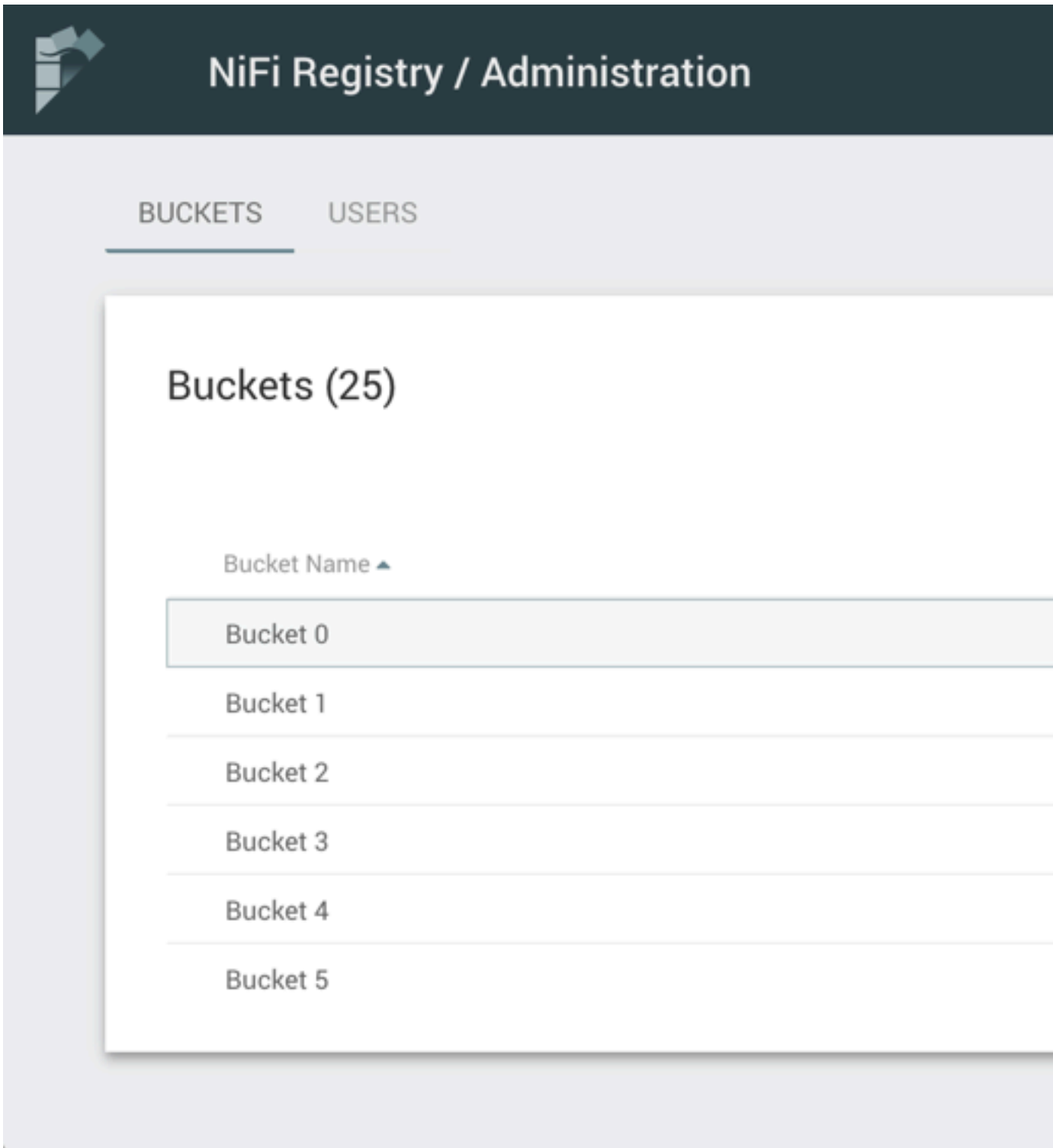
Test

There are no permissions configured by default, so anyone is able to view, create and modify buckets in this instance. For information on securing the system, see the [System Administrator's Guide](#).

Delete a Bucket

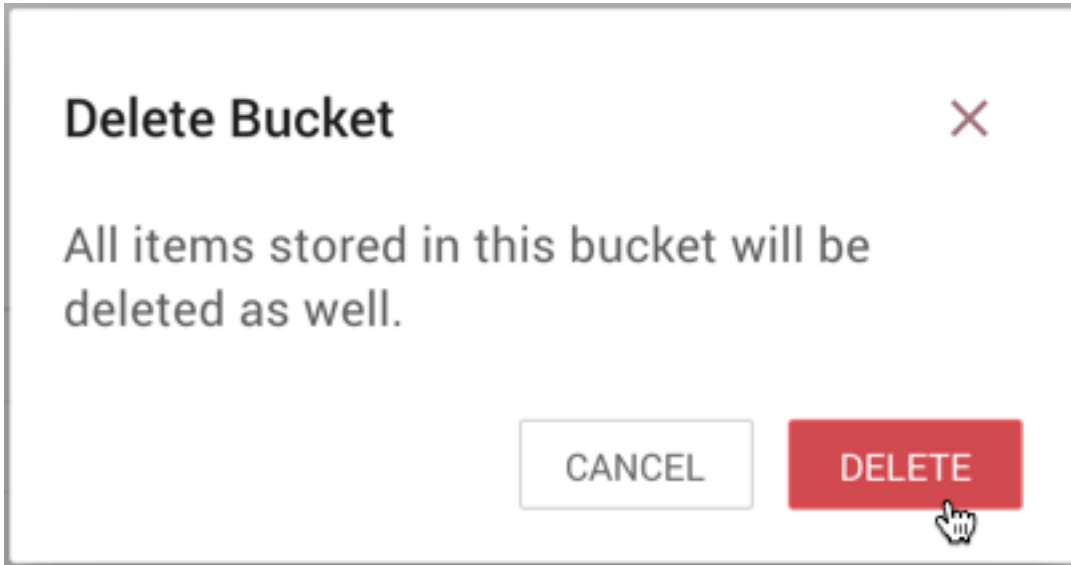
1.

Select the Delete button () in the row of the bucket.



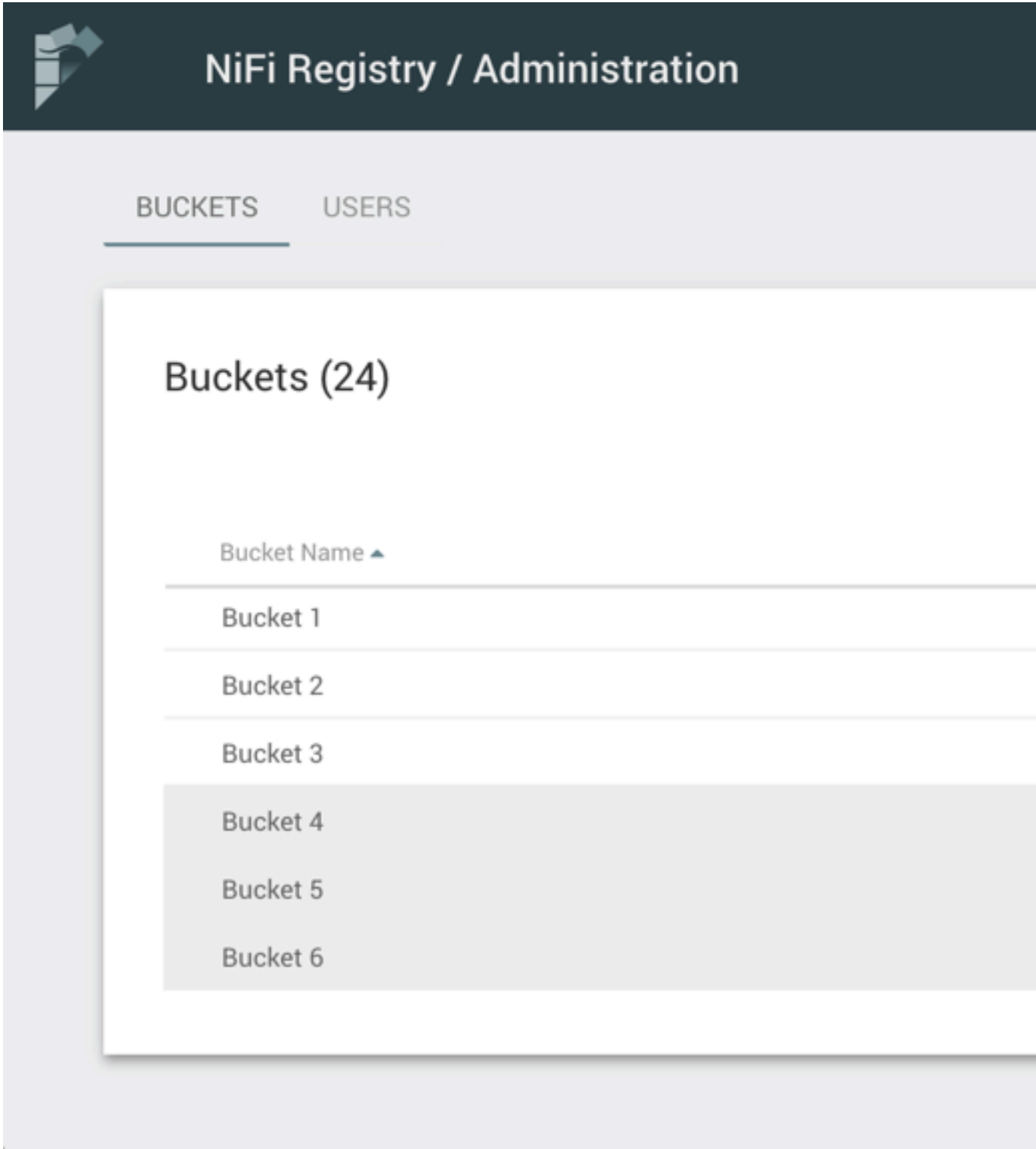
The screenshot shows the NiFi Registry Administration interface. At the top, there is a dark header with the NiFi logo and the text "NiFi Registry / Administration". Below the header, there are two tabs: "BUCKETS" and "USERS". The "BUCKETS" tab is selected. The main content area displays "Buckets (25)" and a list of buckets. The list is titled "Bucket Name ▲" and contains six entries: "Bucket 0", "Bucket 1", "Bucket 2", "Bucket 3", "Bucket 4", and "Bucket 5". Each entry is in a separate row with a light gray background.

2. From the Delete Bucket dialog, select "Delete".



Delete Multiple Buckets

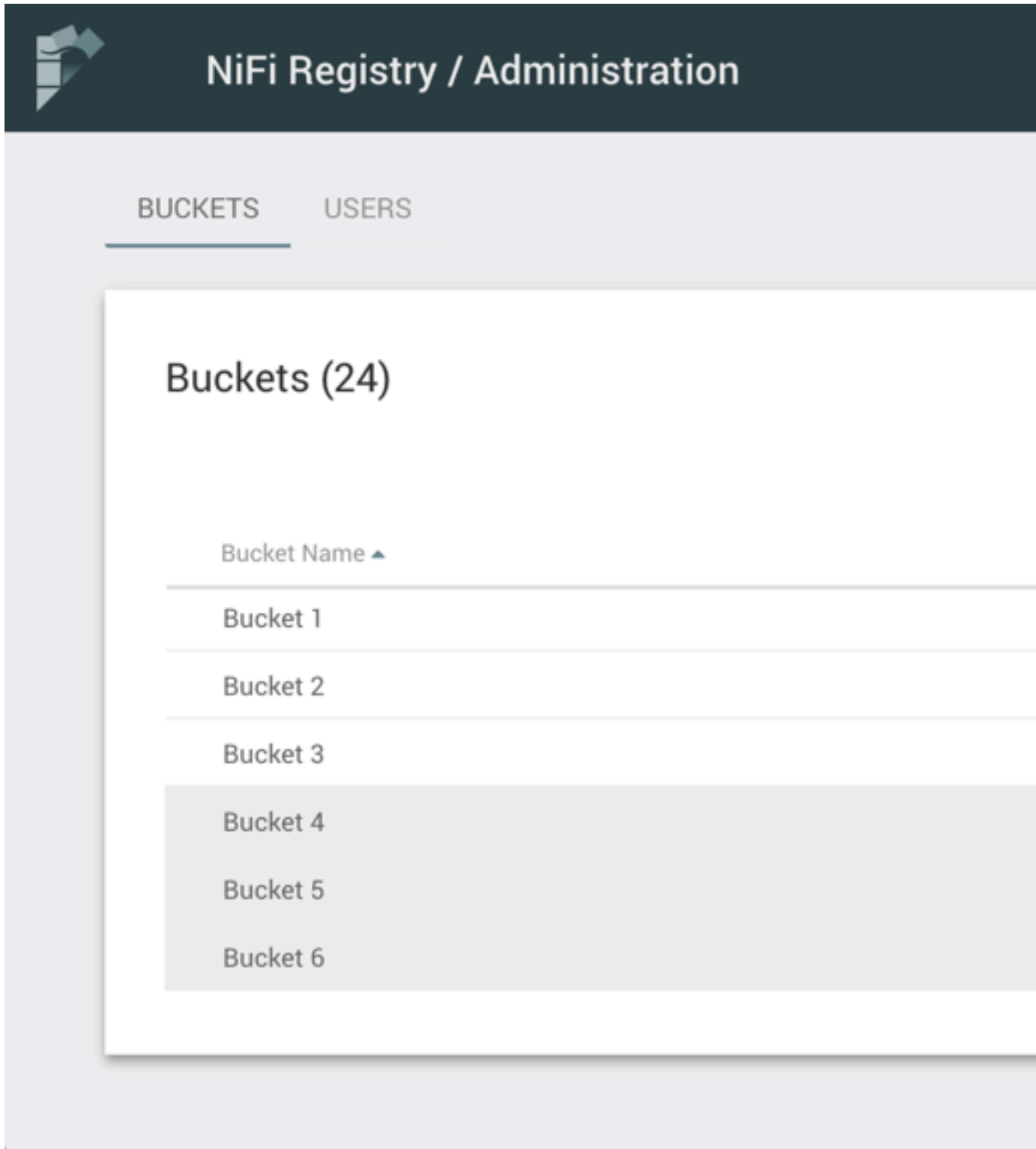
1. Select the checkboxes in the rows of the desired buckets to delete.



The screenshot shows the NiFi Registry Administration interface. At the top, there is a dark header with the NiFi logo and the text "NiFi Registry / Administration". Below the header, there are two tabs: "BUCKETS" and "USERS". The "BUCKETS" tab is selected and underlined. The main content area displays "Buckets (24)" and a list of buckets. The list is titled "Bucket Name ▲" and contains six entries: "Bucket 1", "Bucket 2", "Bucket 3", "Bucket 4", "Bucket 5", and "Bucket 6". The "Bucket 4" row is highlighted with a light gray background.

Bucket Name ▲
Bucket 1
Bucket 2
Bucket 3
Bucket 4
Bucket 5
Bucket 6

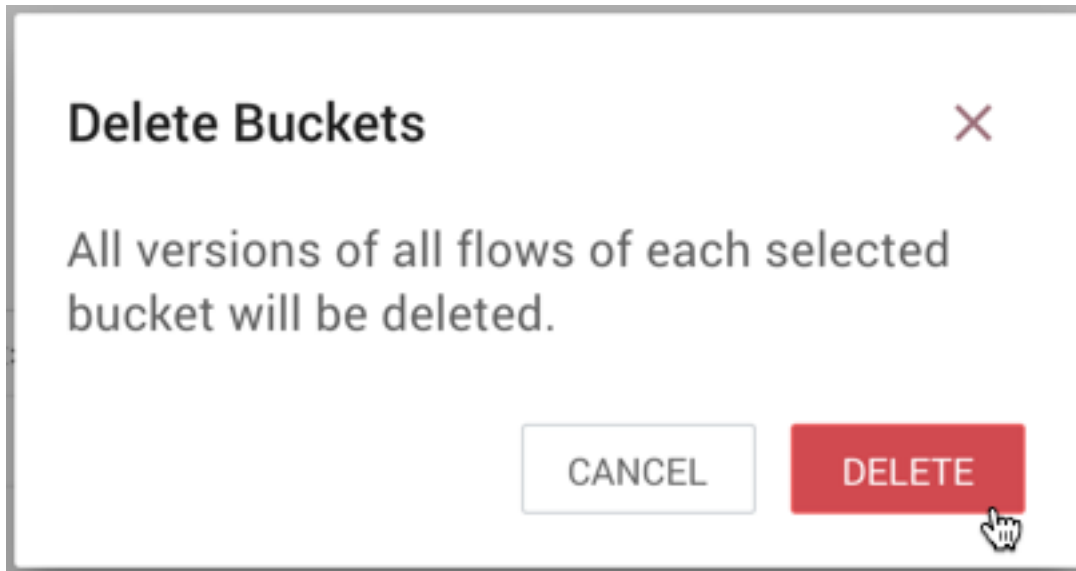
2. Select the "Actions" drop-down and click the "Delete" option.



The screenshot shows the NiFi Registry Administration interface. At the top, there is a dark header with the NiFi logo and the text "NiFi Registry / Administration". Below the header, there are two tabs: "BUCKETS" and "USERS". The "BUCKETS" tab is selected and underlined. The main content area displays "Buckets (24)" and a list of bucket names. The list is titled "Bucket Name ▲" and contains six entries: "Bucket 1", "Bucket 2", "Bucket 3", "Bucket 4", "Bucket 5", and "Bucket 6". The "Bucket 4" entry is highlighted with a grey background.

Bucket Name ▲
Bucket 1
Bucket 2
Bucket 3
Bucket 4
Bucket 5
Bucket 6

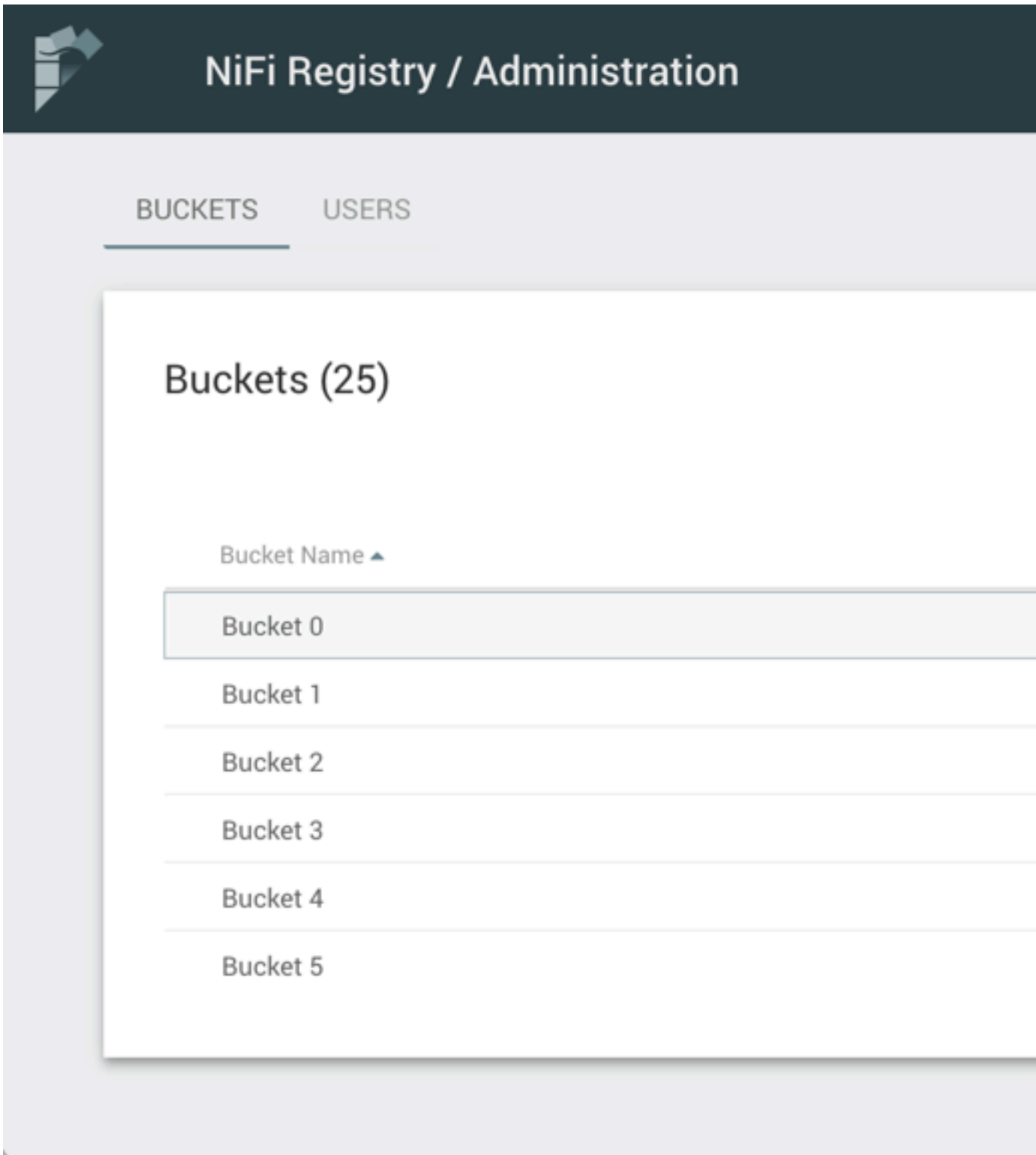
3. From the Delete Buckets dialog, select "Delete".



Edit a Bucket Name

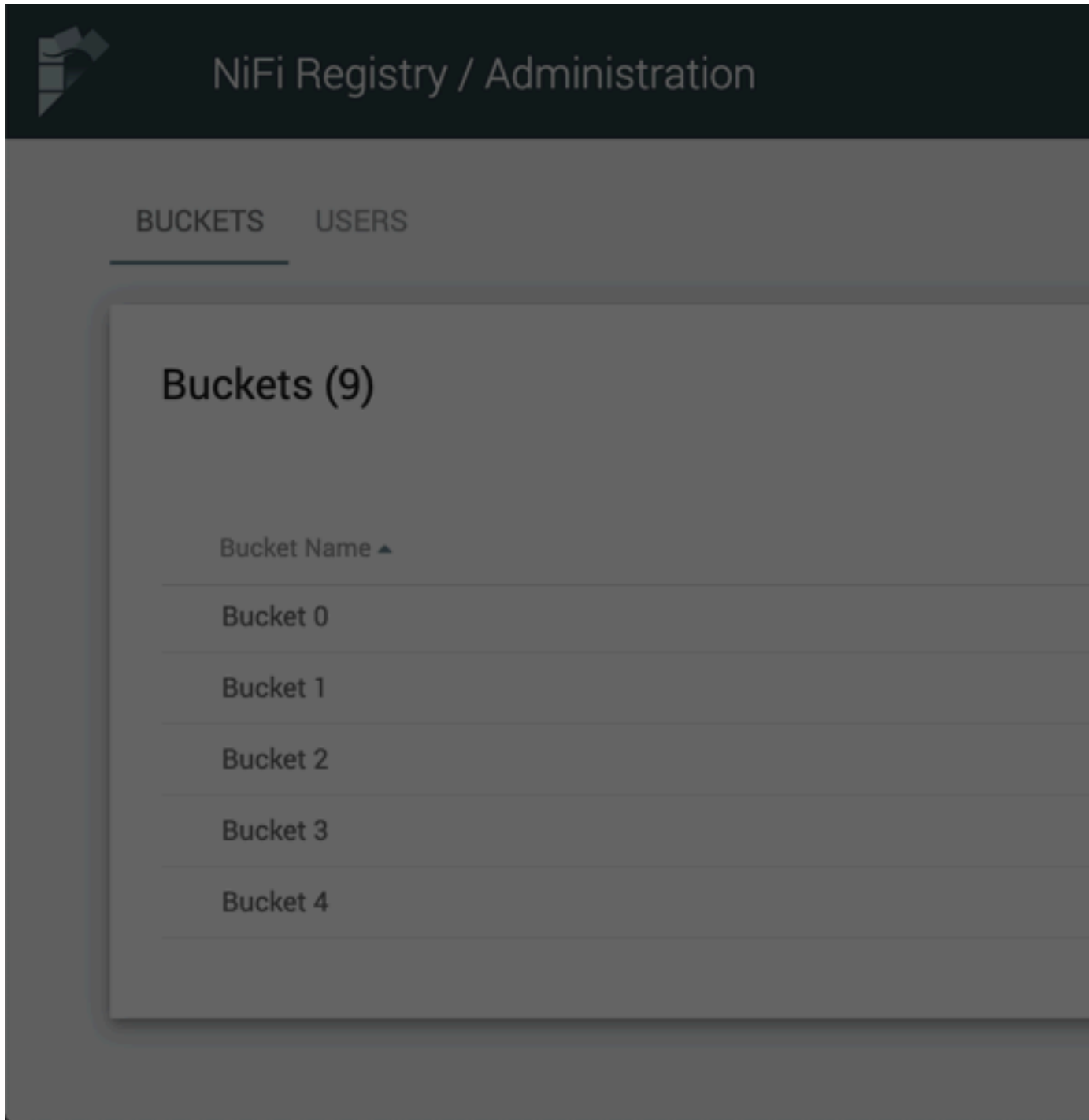
1.

Select the Manage button () in the row of the bucket.



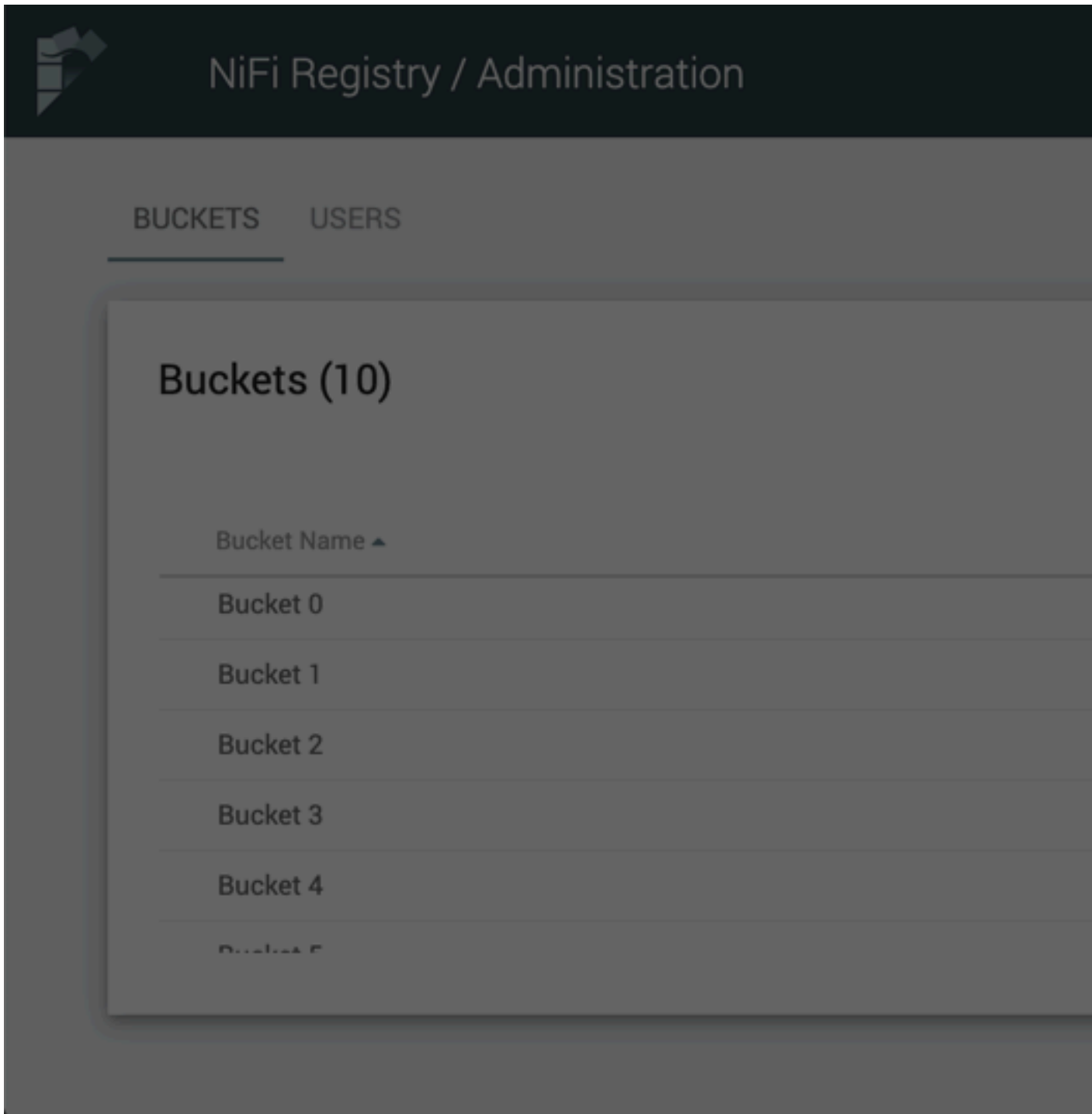
The screenshot shows the NiFi Registry Administration interface. At the top, there is a dark header with the NiFi logo and the text "NiFi Registry / Administration". Below the header, there are two tabs: "BUCKETS" and "USERS". The "BUCKETS" tab is selected. The main content area displays "Buckets (25)" and a list of buckets. The list has a header "Bucket Name ▲" and contains six rows: "Bucket 0", "Bucket 1", "Bucket 2", "Bucket 3", "Bucket 4", and "Bucket 5". The "Bucket 0" row is highlighted with a light gray background.

2. Enter a new name for the bucket and select the "Save" button.



Make a Bucket Publicly Visible

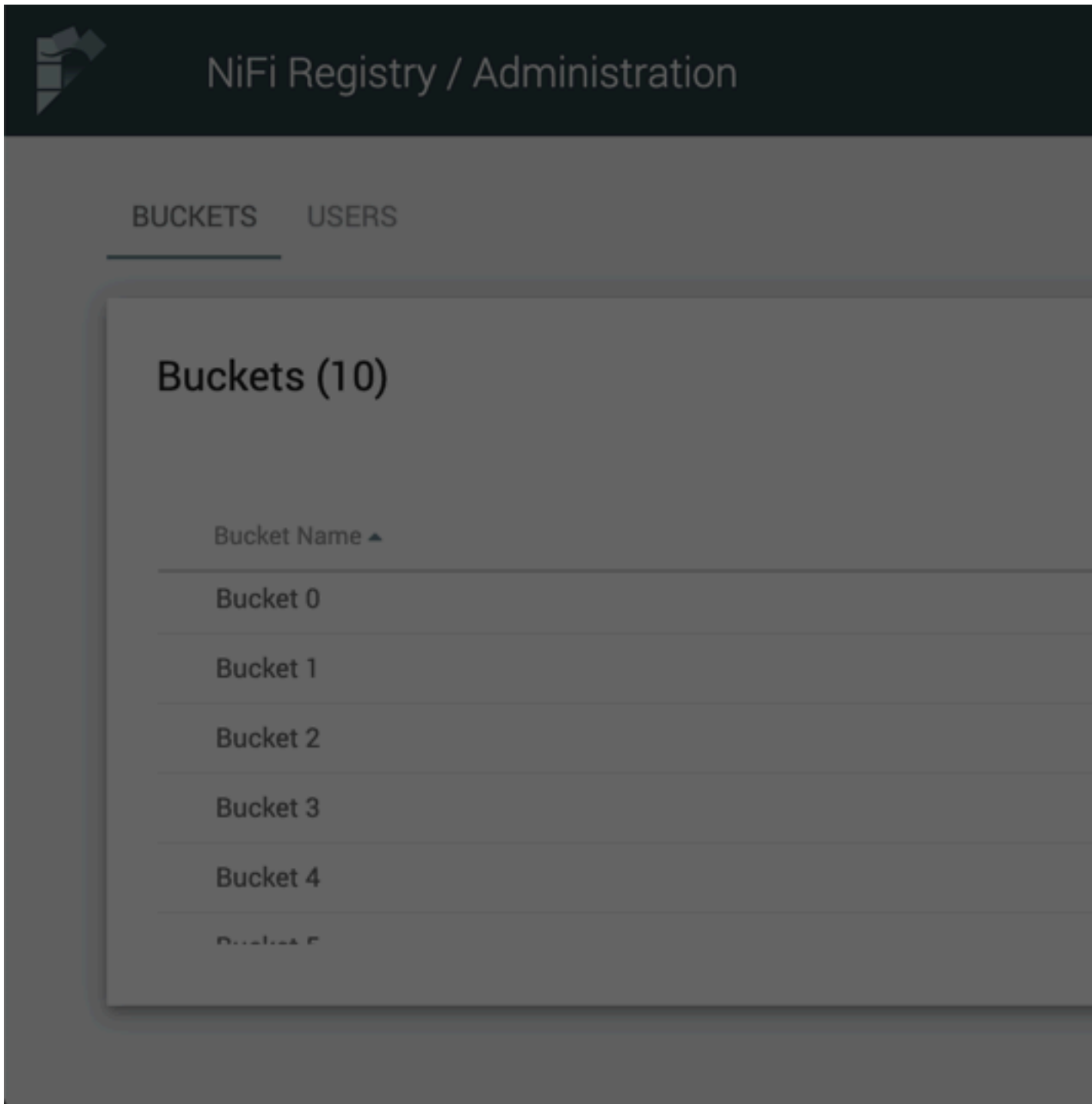
To allow read access to items in a bucket by unauthenticated users, select the "Make publicly visible" checkbox.



This setting will override any specific policies granting read access to the bucket.

Allow Bundles in a Bucket to be Overwritten

To allow released bundles in a bucket to be overwritten, select the "Allow bundle overwrite" checkbox.



Currently, the only supported bundle type is a [NiFi Archive \(NAR\)](#). By default, buckets do not allow the re-release of released NARs. This setting explicitly allows the same version of a NAR to be uploaded to a bucket.

For more information on bundles, see the [Manage Bundles](#) section.

Bucket Policies

Bucket policies define user privileges on buckets/flows in the Registry and in NiFi. The available permissions are:

- All - In the Registry, the assigned user is able to view and delete flows in the bucket. In NiFi, the selected user is able to import flows from the bucket and commit changes to flows in the bucket.
- Read - In the Registry, the assigned user is able to view flows in the bucket. In NiFi, the selected user is able to import flows from the bucket.
- Write - In NiFi, the assigned user is able to commit changes to flows in the bucket.
- Delete - In the Registry, the assigned user is able to delete flows in the bucket.



Note: Users would typically have Read permissions at a minimum. A user with Write permission would not commit changes to a flow if they were not able to import it initially. A user with Delete permission would not delete a flow if they could not view it.



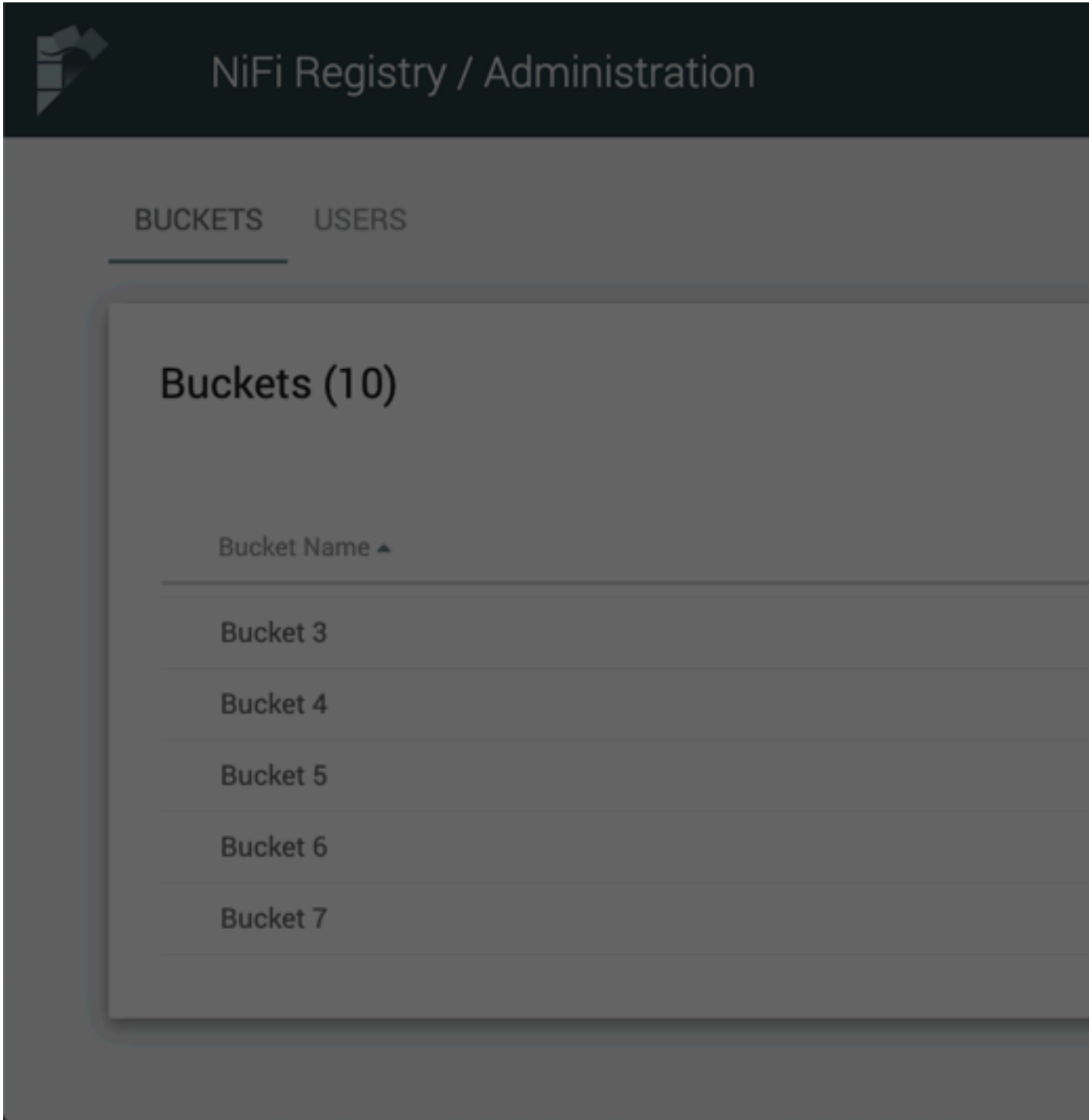
Note: If a user has a bucket policy and the group that the user is in also has a policy, all policies are used to determine access. For example, assume User1 is in Group1, User1 has READ privileges on Bucket1 and Group1 has READ privileges on Bucket2. In this scenario, User1 will have READ privileges on both Bucket1 and Bucket2.

Create a Bucket Policy

1.

Select the Manage button () in the row of the bucket.

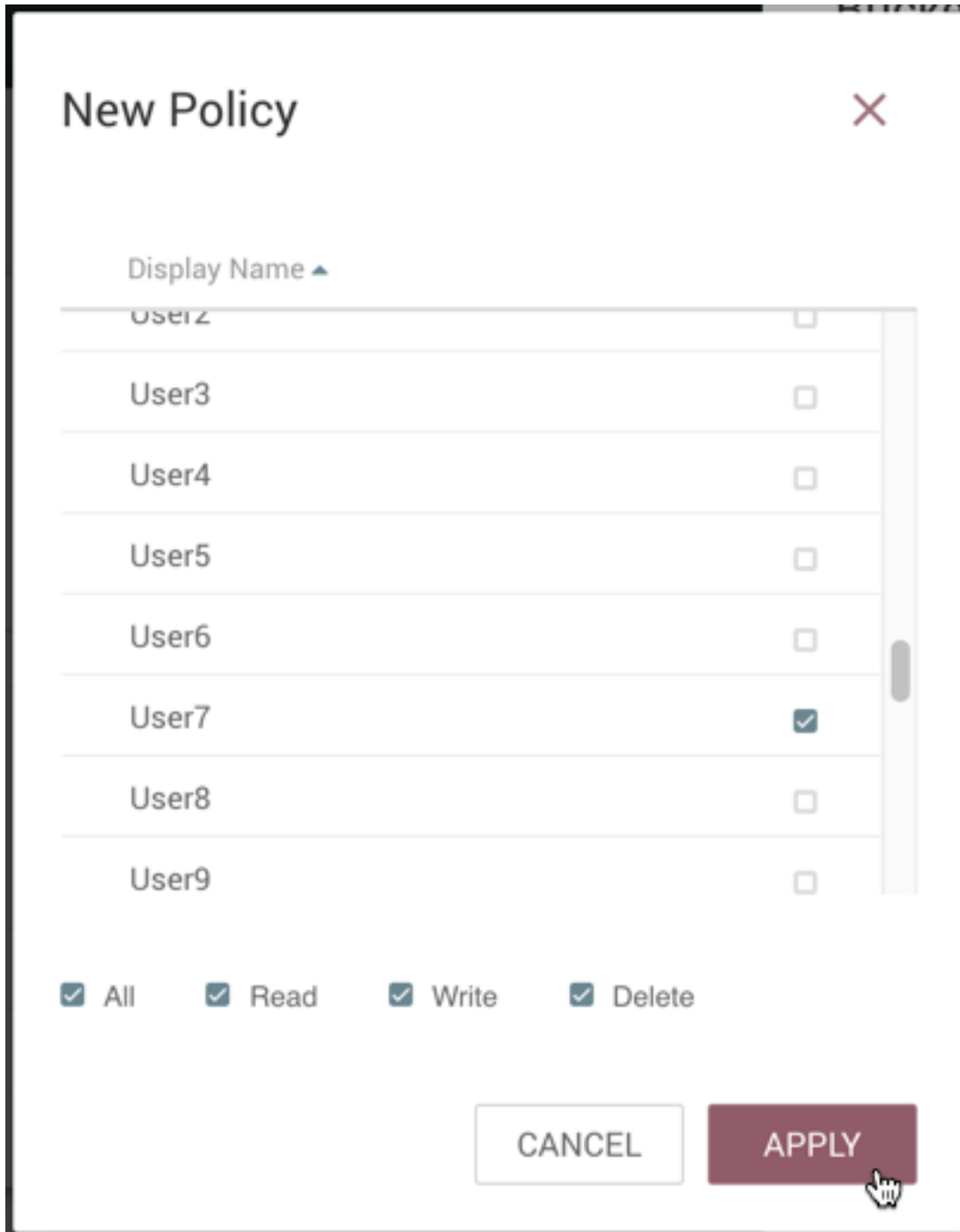
2. Select the "New Policy" button.



The screenshot displays the NiFi Registry Administration interface. At the top, there is a dark header with the NiFi logo and the text "NiFi Registry / Administration". Below the header, there are two tabs: "BUCKETS" and "USERS". The "BUCKETS" tab is selected and underlined. The main content area shows a heading "Buckets (10)" and a table with a column header "Bucket Name ▲". The table lists five buckets: "Bucket 3", "Bucket 4", "Bucket 5", "Bucket 6", and "Bucket 7".

Bucket Name ▲
Bucket 3
Bucket 4
Bucket 5
Bucket 6
Bucket 7

3. Select a user, check the desired permissions and select the "Apply" button:

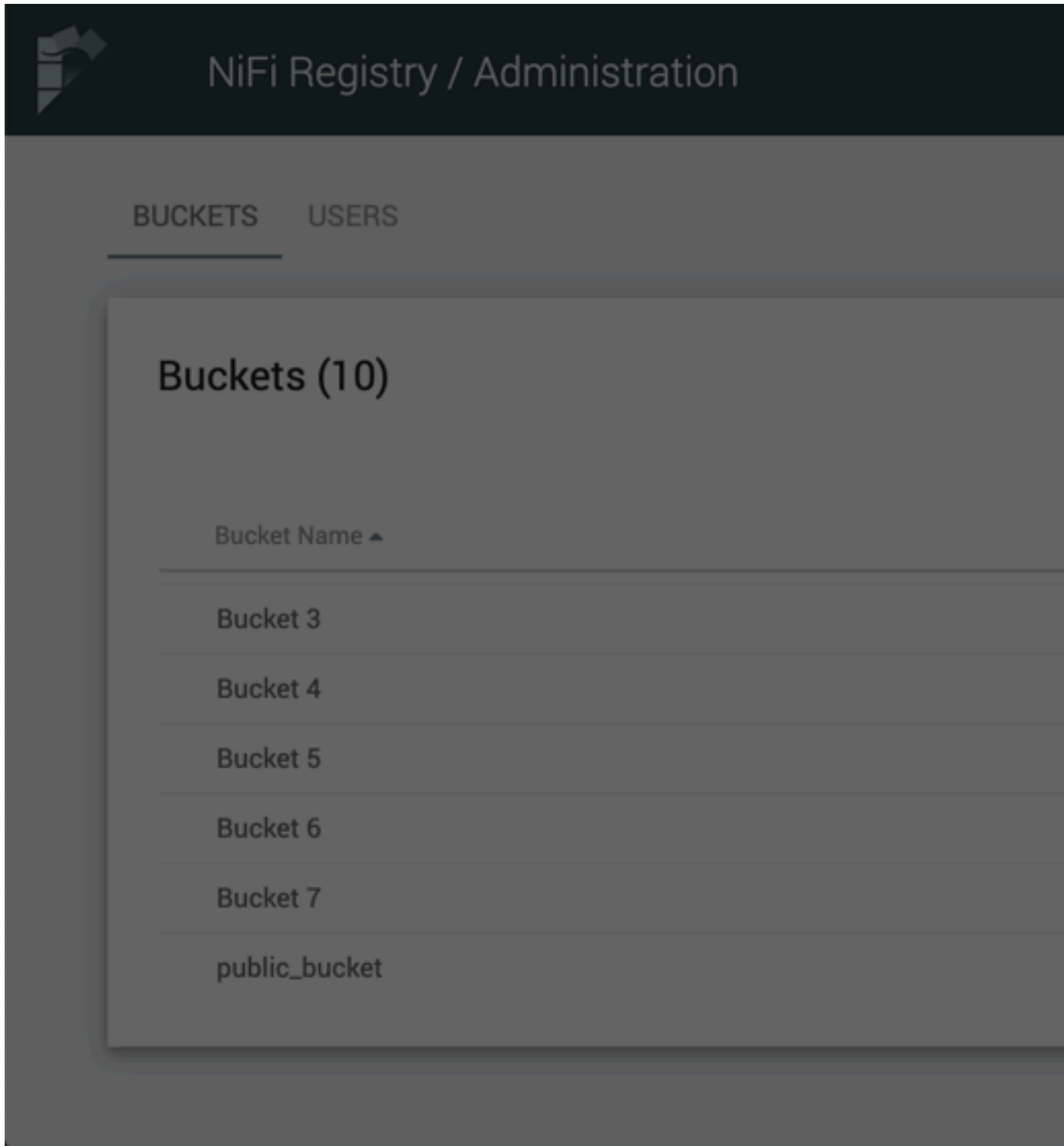


The screenshot shows a 'New Policy' dialog box with a close button (X) in the top right corner. Below the title, there is a 'Display Name' label with a dropdown arrow. A list of users is displayed, each with a checkbox to its right. 'User7' is selected, indicated by a checked checkbox. Below the list, there are four permission options, each with a checked checkbox: 'All', 'Read', 'Write', and 'Delete'. At the bottom, there are two buttons: 'CANCEL' and 'APPLY'. A mouse cursor is pointing at the 'APPLY' button.

Display Name	Selected
User2	<input type="checkbox"/>
User3	<input type="checkbox"/>
User4	<input type="checkbox"/>
User5	<input type="checkbox"/>
User6	<input type="checkbox"/>
User7	<input checked="" type="checkbox"/>
User8	<input type="checkbox"/>
User9	<input type="checkbox"/>

All Read Write Delete

4. The policy is added to the bucket:



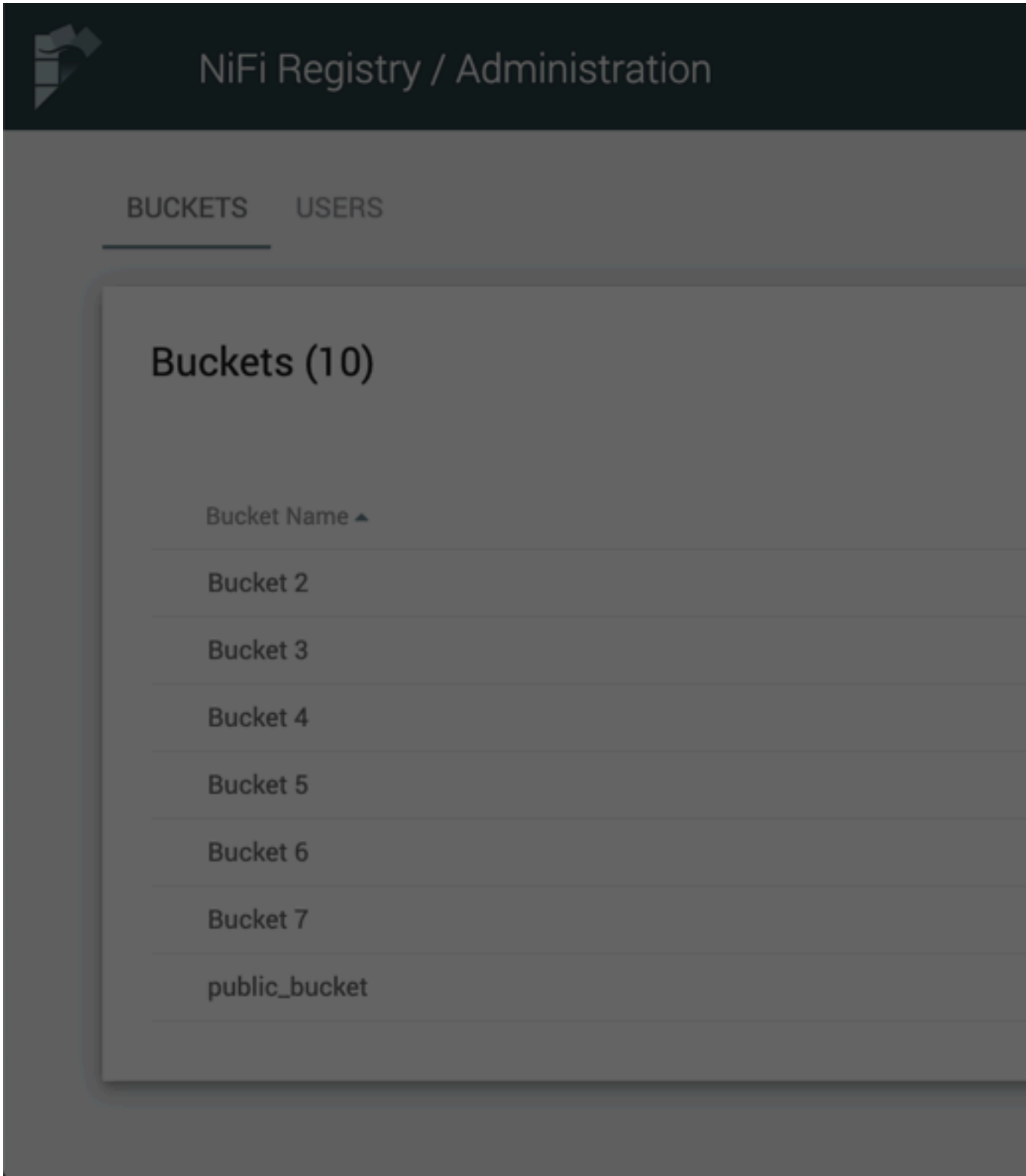
The screenshot shows the NiFi Registry Administration interface. At the top, there is a dark header with the NiFi logo and the text "NiFi Registry / Administration". Below the header, there are two tabs: "BUCKETS" and "USERS". The "BUCKETS" tab is selected and underlined. The main content area is titled "Buckets (10)". Below the title, there is a search bar labeled "Bucket Name ▲". A list of buckets is displayed below the search bar, with the following names: "Bucket 3", "Bucket 4", "Bucket 5", "Bucket 6", "Bucket 7", and "public_bucket".

Delete a Bucket Policy

1. Select the Manage button () in the row of the bucket.

2.

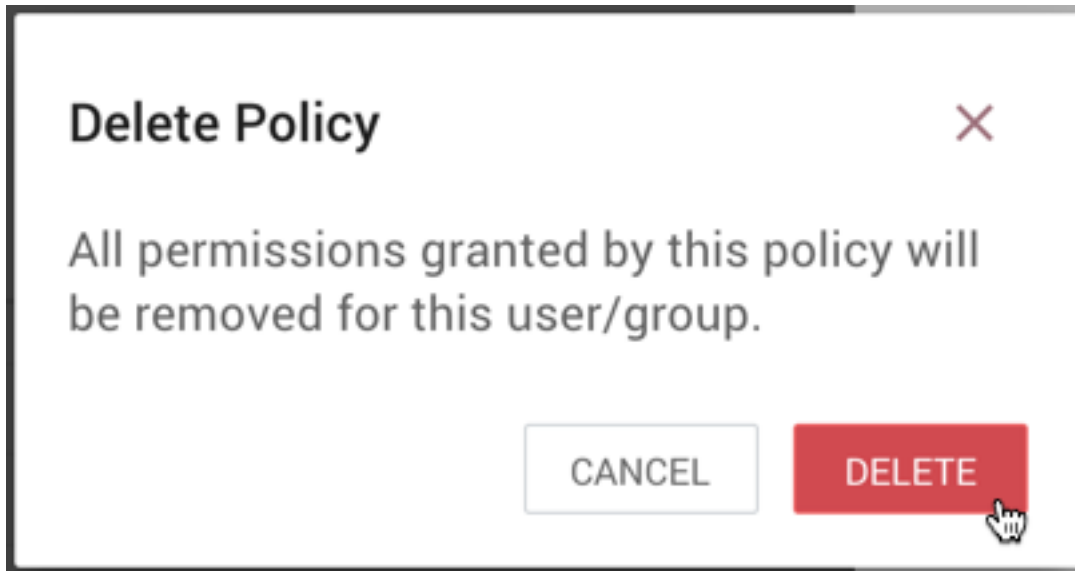
Select the Delete button () in the row of the policy.




The screenshot shows the NiFi Registry Administration interface. At the top, there is a dark header with the NiFi logo and the text "NiFi Registry / Administration". Below the header, there are two tabs: "BUCKETS" and "USERS". The "BUCKETS" tab is selected and underlined. The main content area is titled "Buckets (10)". Below the title, there is a table with a header "Bucket Name ▲" and a list of bucket names: "Bucket 2", "Bucket 3", "Bucket 4", "Bucket 5", "Bucket 6", "Bucket 7", and "public_bucket".

Bucket Name ▲
Bucket 2
Bucket 3
Bucket 4
Bucket 5
Bucket 6
Bucket 7
public_bucket

3. From the Delete Policy dialog, select "Delete".



Manage Users & Groups

To manage users/groups, enter the Administration section of the Registry by clicking the Settings button () on the top right of the UI. Select Users from the top menu to open the Users window.

Sorting & Filtering Users/Groups

Users/groups can be sorted alphabetically by Name (ascending or descending) using the up/down arrows.



NiFi Registry / Administration

BUCKETS

USERS

Authorized Users (55)

Display Name ▲ 

User1

User2

User3

User4

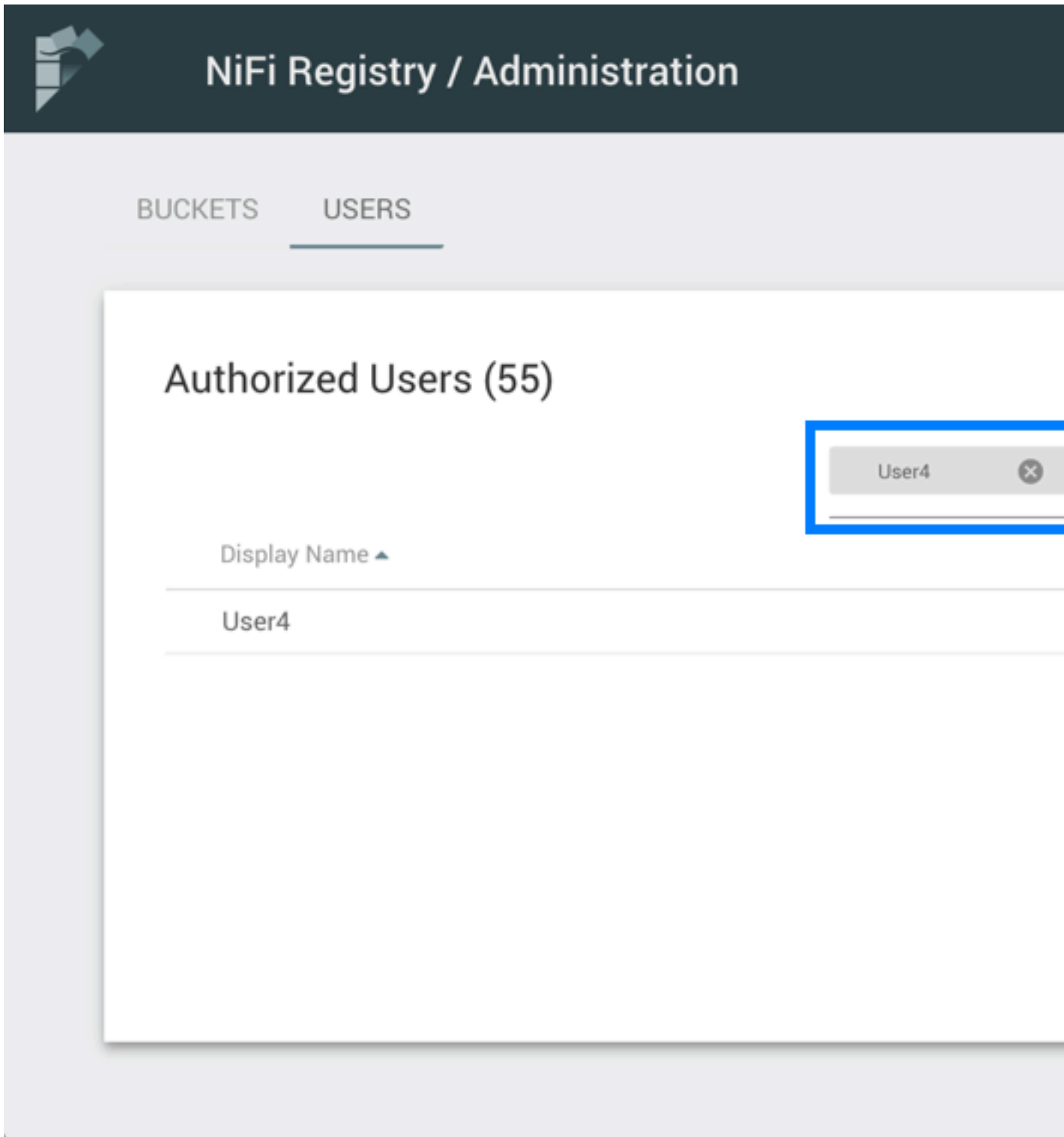
User5

User6

The Users/groups listed can be filtered by:

- user name
- user ID
- group name
- group ID

Here is an example of filtering by user name:



The image shows the NiFi Registry Administration interface. At the top, there is a dark header with the NiFi logo and the text "NiFi Registry / Administration". Below the header, there are two tabs: "BUCKETS" and "USERS", with "USERS" being the active tab. The main content area is titled "Authorized Users (55)". On the right side, there is a search bar with a blue border, containing the text "User4" and a close button (X). Below the search bar, there is a table with a single row containing the text "User4".

NiFi Registry / Administration

BUCKETS USERS

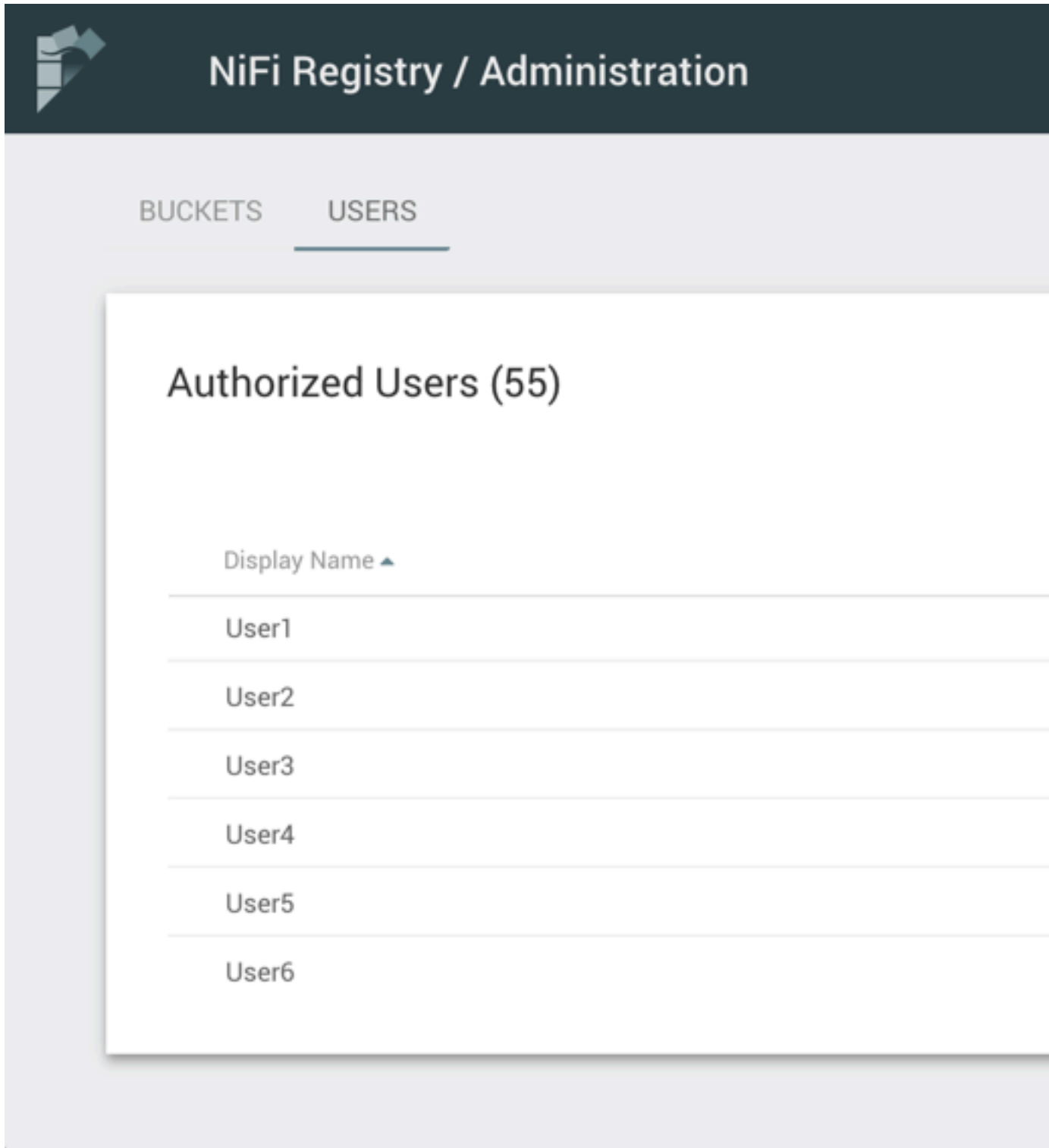
Authorized Users (55)

Search: User4

Display Name ▲
User4

Add a User

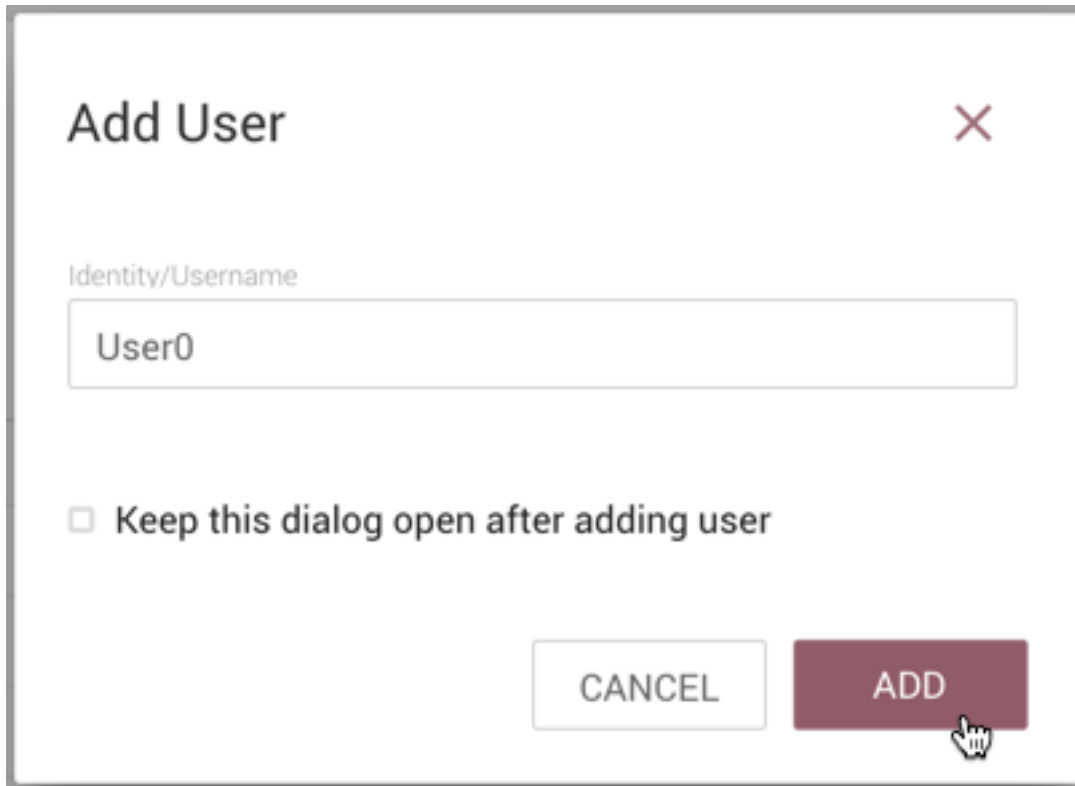
1. Select the "Add User" button.



The screenshot shows the NiFi Registry Administration interface. At the top, there is a dark header with the NiFi logo and the text "NiFi Registry / Administration". Below the header, there are two tabs: "BUCKETS" and "USERS", with "USERS" being the active tab. The main content area displays "Authorized Users (55)". Below this, there is a table with a single column labeled "Display Name ▲". The table contains six rows of user names: "User1", "User2", "User3", "User4", "User5", and "User6".

Display Name ▲
User1
User2
User3
User4
User5
User6

2. Enter the desired username or appropriate Identity information. Select the "Add" button.



Add User ✕

Identity/Username

User0

Keep this dialog open after adding user

CANCEL ADD

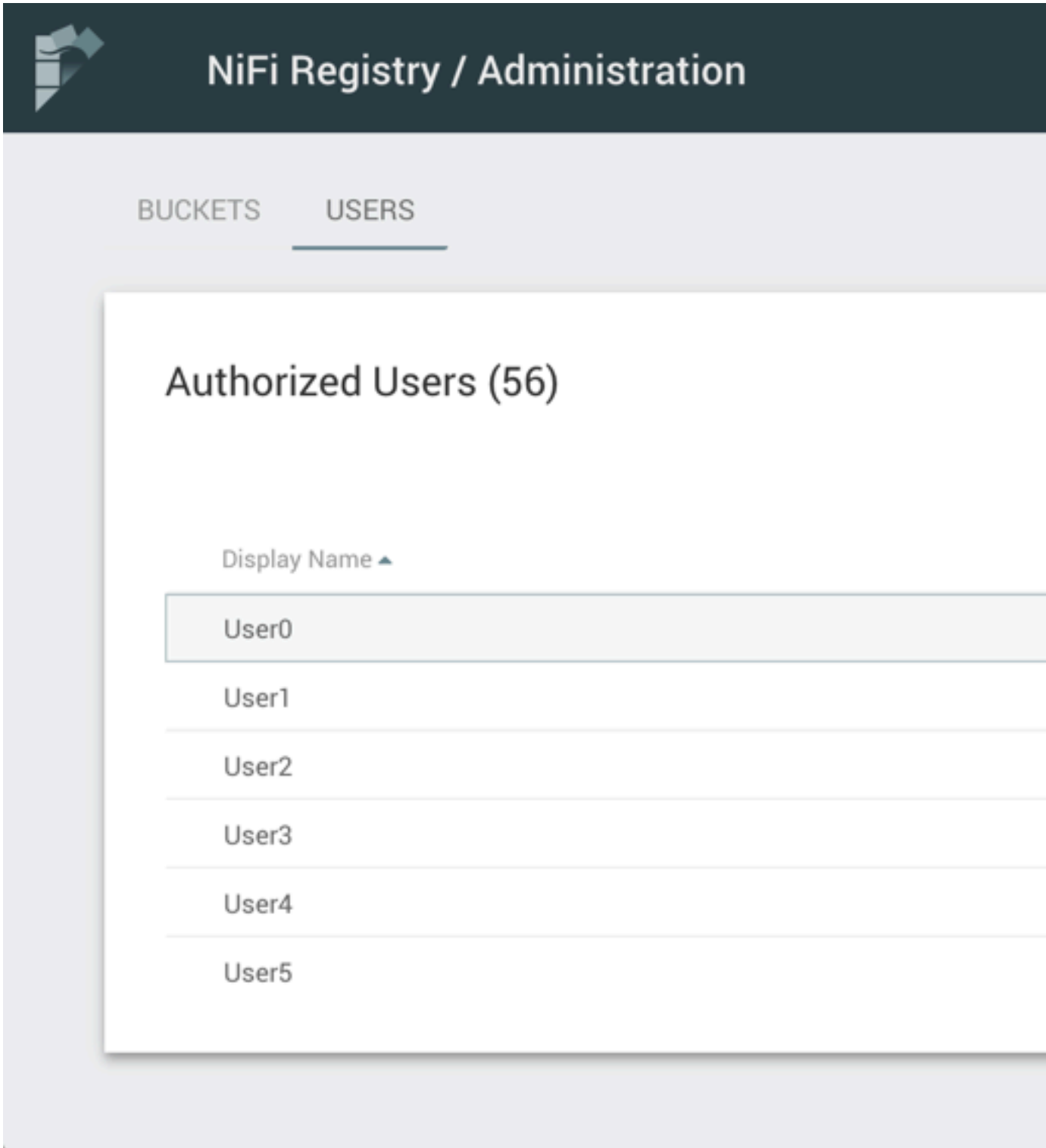


Note: To quickly create multiple users, check "Keep this dialog open after adding user".

Delete a User

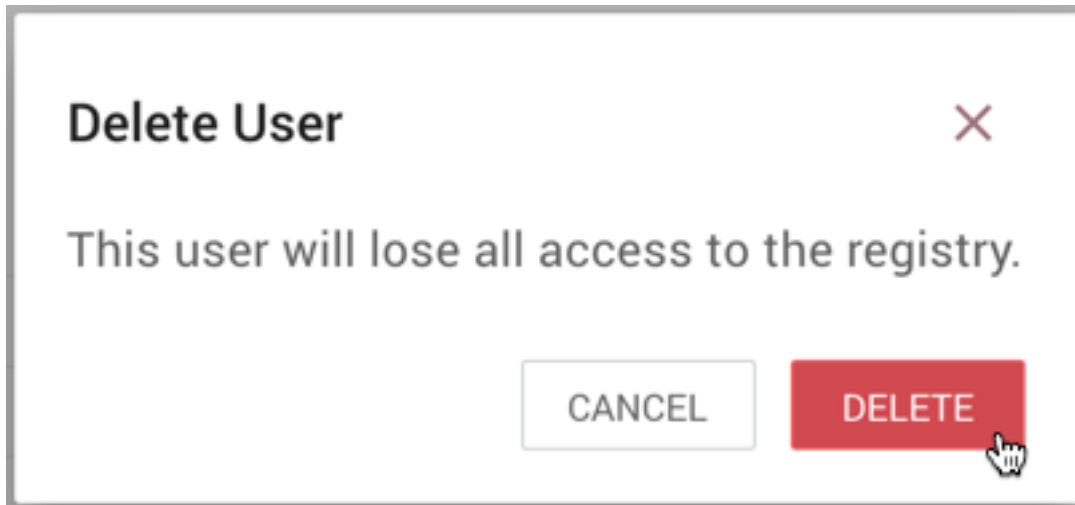
1.

Select the Delete button () in the row of the user.



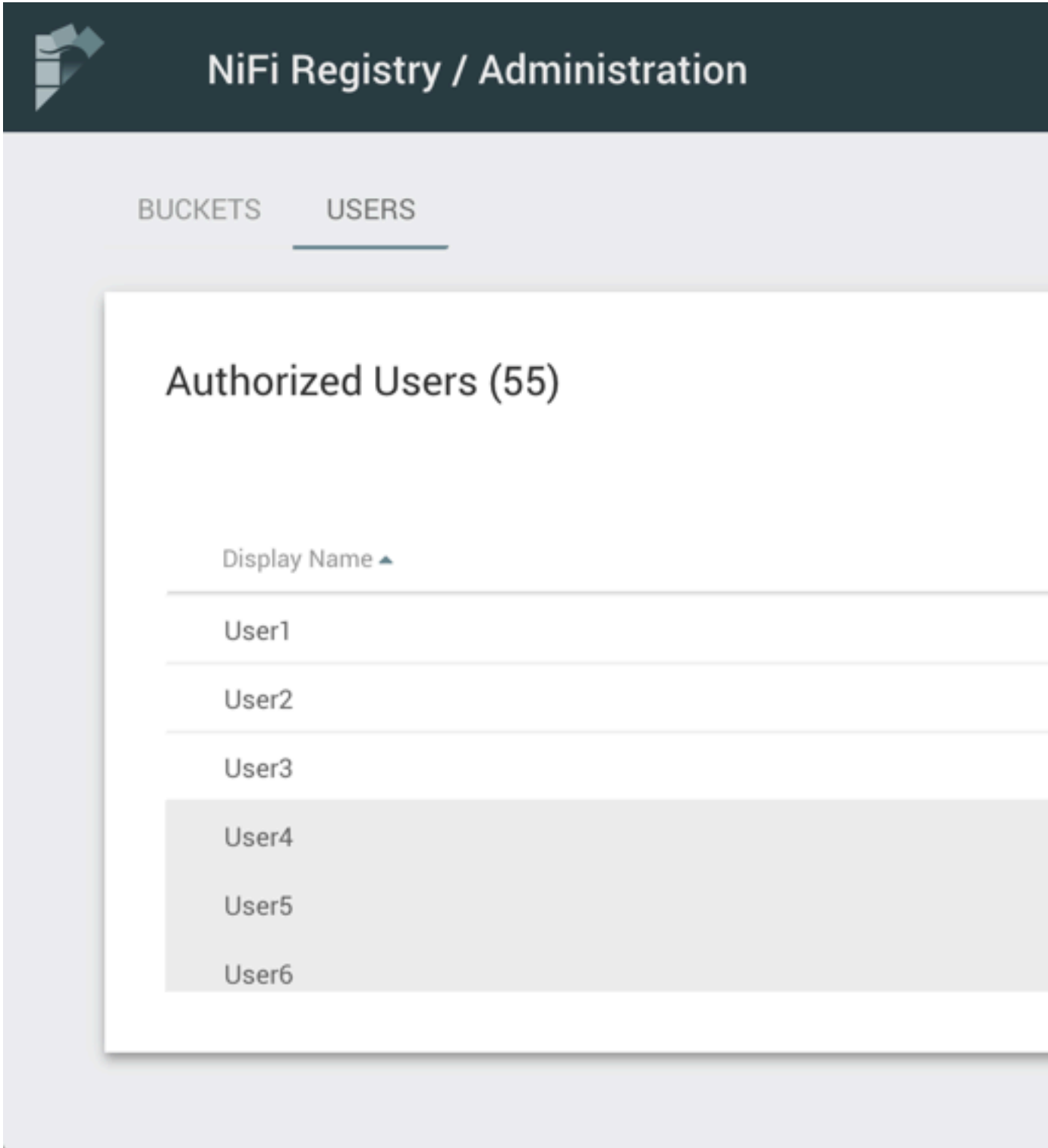
The screenshot shows the NiFi Registry Administration interface. At the top, there is a dark header with the NiFi logo and the text "NiFi Registry / Administration". Below the header, there are two tabs: "BUCKETS" and "USERS", with "USERS" being the active tab. The main content area displays "Authorized Users (56)". Below this, there is a dropdown menu labeled "Display Name ▲" with a list of users: "User0", "User1", "User2", "User3", "User4", and "User5".

- From the Delete User dialog, select "Delete".



Delete Multiple Users

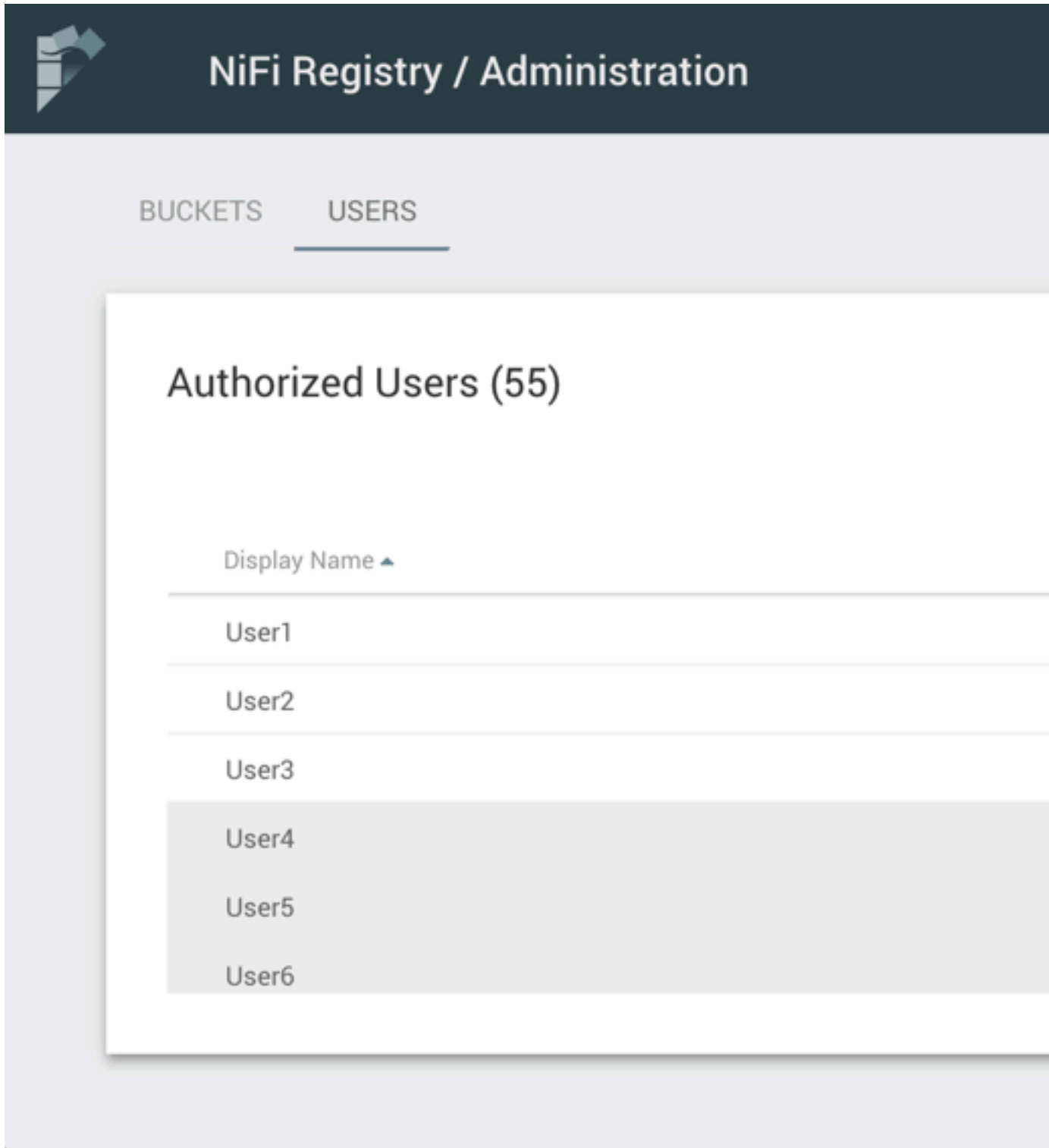
1. Select the checkboxes in the rows of the desired users to delete.



The image shows the NiFi Registry Administration interface. At the top, there is a dark header with the NiFi logo and the text "NiFi Registry / Administration". Below the header, there are two tabs: "BUCKETS" and "USERS", with "USERS" being the active tab. The main content area is titled "Authorized Users (55)". Below this title, there is a dropdown menu labeled "Display Name ▲". A list of users is displayed below the dropdown, with each user name on a separate line. The users listed are User1, User2, User3, User4, User5, and User6. User4 is highlighted with a grey background.

Display Name ▲
User1
User2
User3
User4
User5
User6

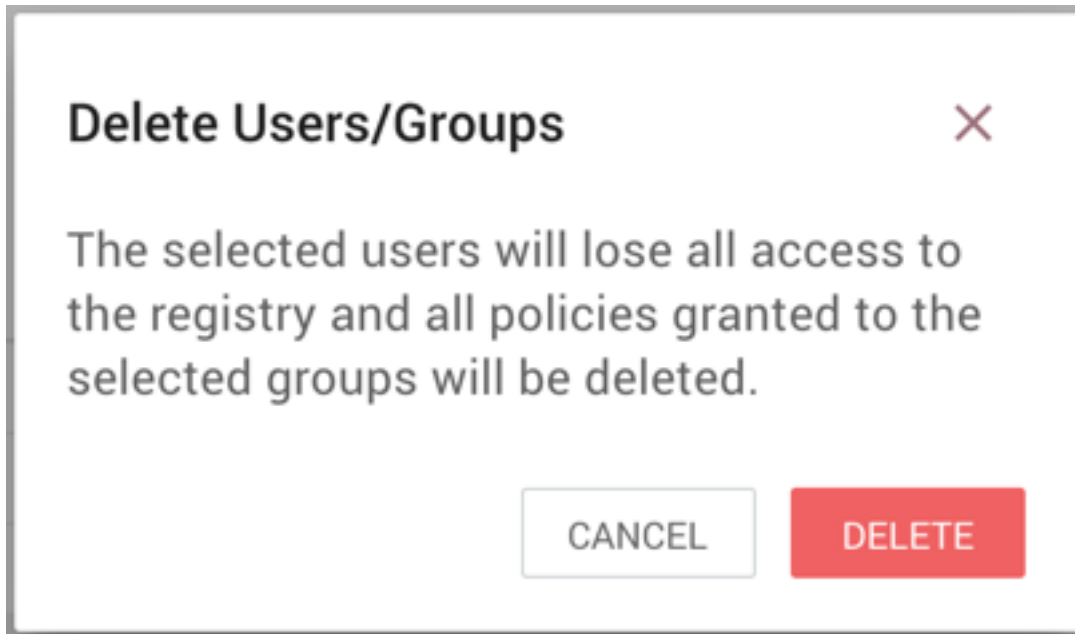
2. Select the "Actions" drop-down and click the "Delete" option.



The screenshot shows the NiFi Registry Administration interface. At the top, there is a dark header with the NiFi logo and the text "NiFi Registry / Administration". Below the header, there are two tabs: "BUCKETS" and "USERS", with "USERS" being the active tab. The main content area displays "Authorized Users (55)". Below this, there is a table with a header "Display Name ▲" and a list of users: User1, User2, User3, User4, User5, and User6. The row for User4 is highlighted in grey.

Display Name ▲
User1
User2
User3
User4
User5
User6

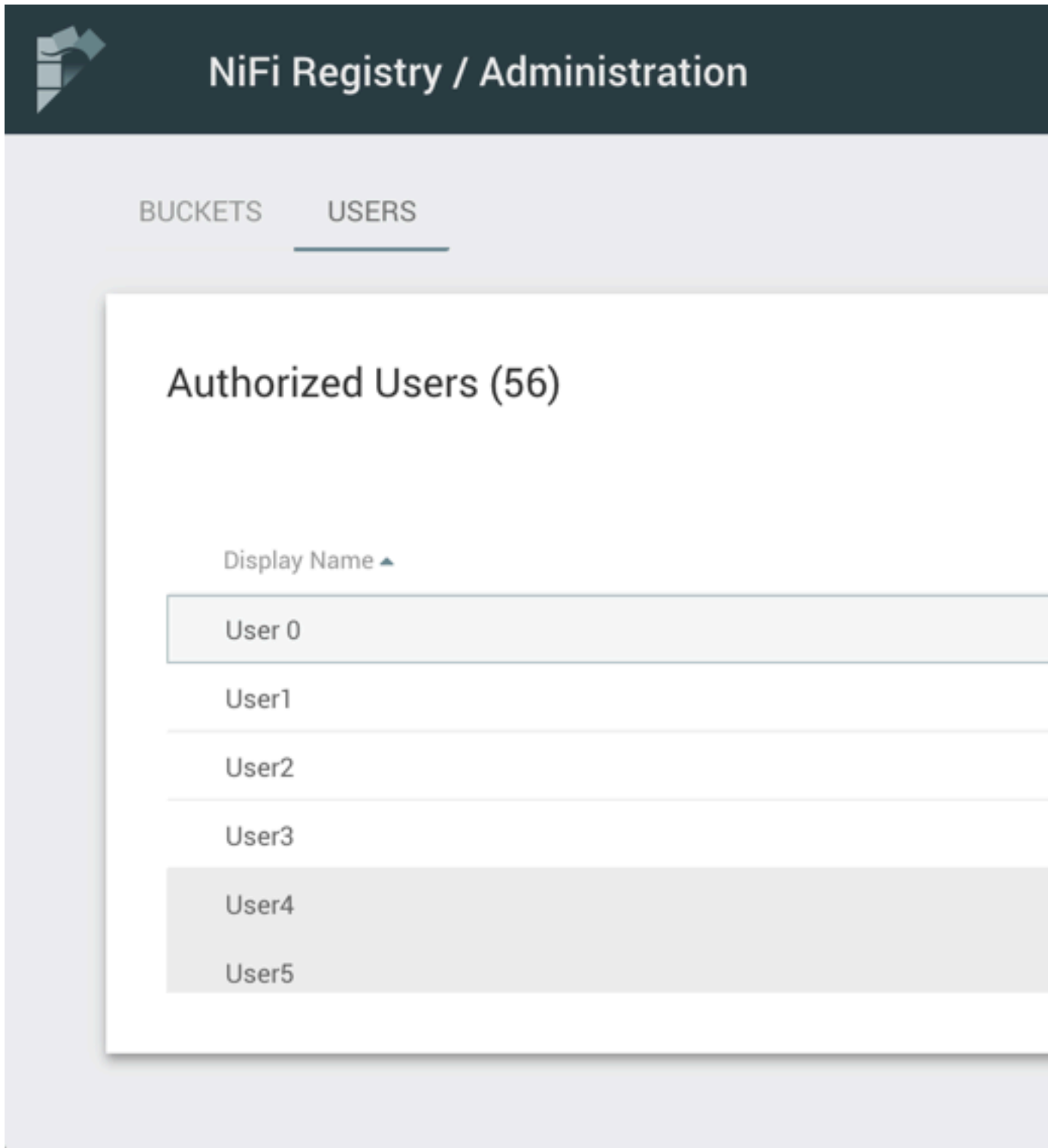
3. From the Delete Users dialog, select "Delete".



Edit a User Name

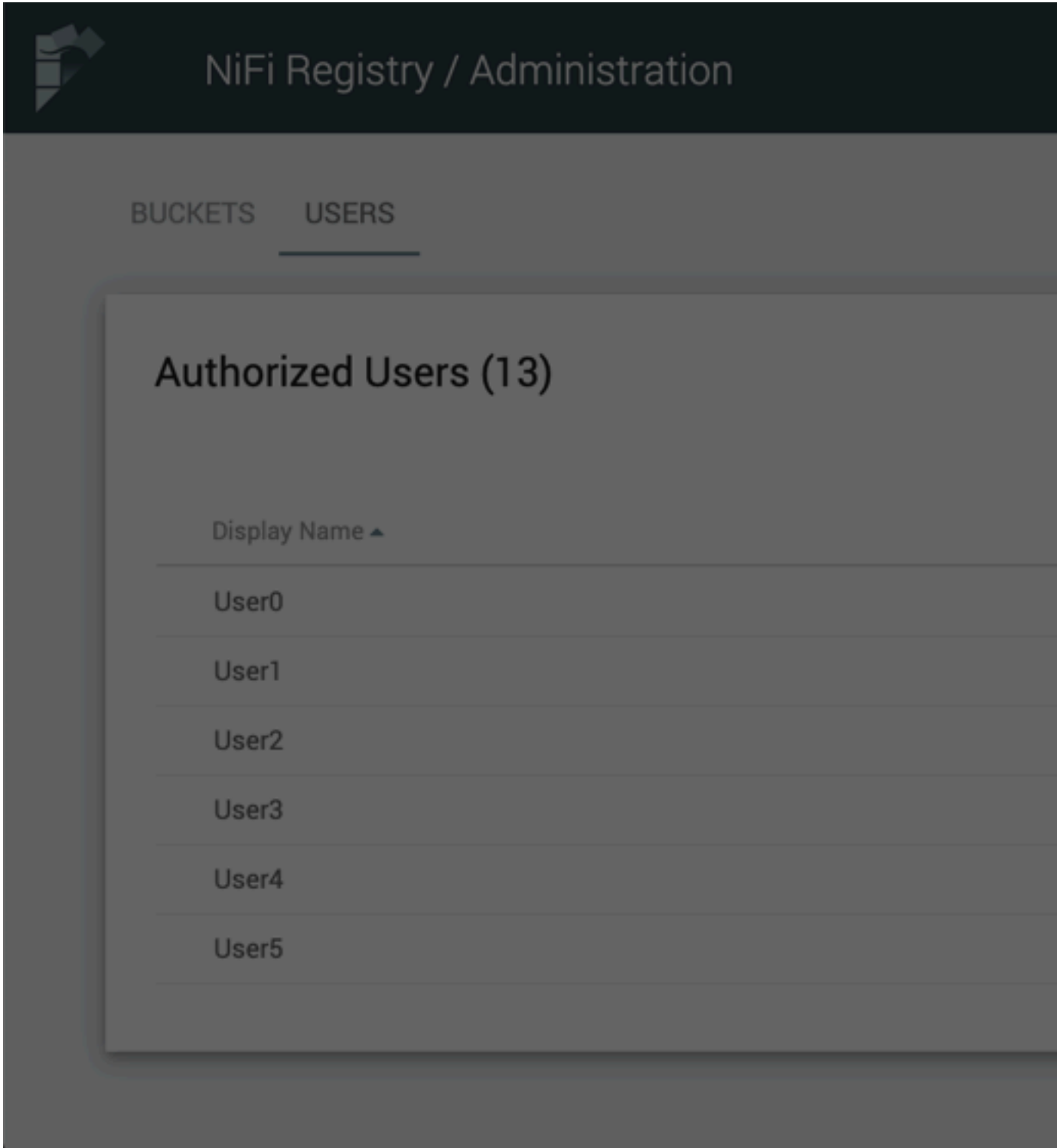
1.

Select the Manage button () in the row of the user.

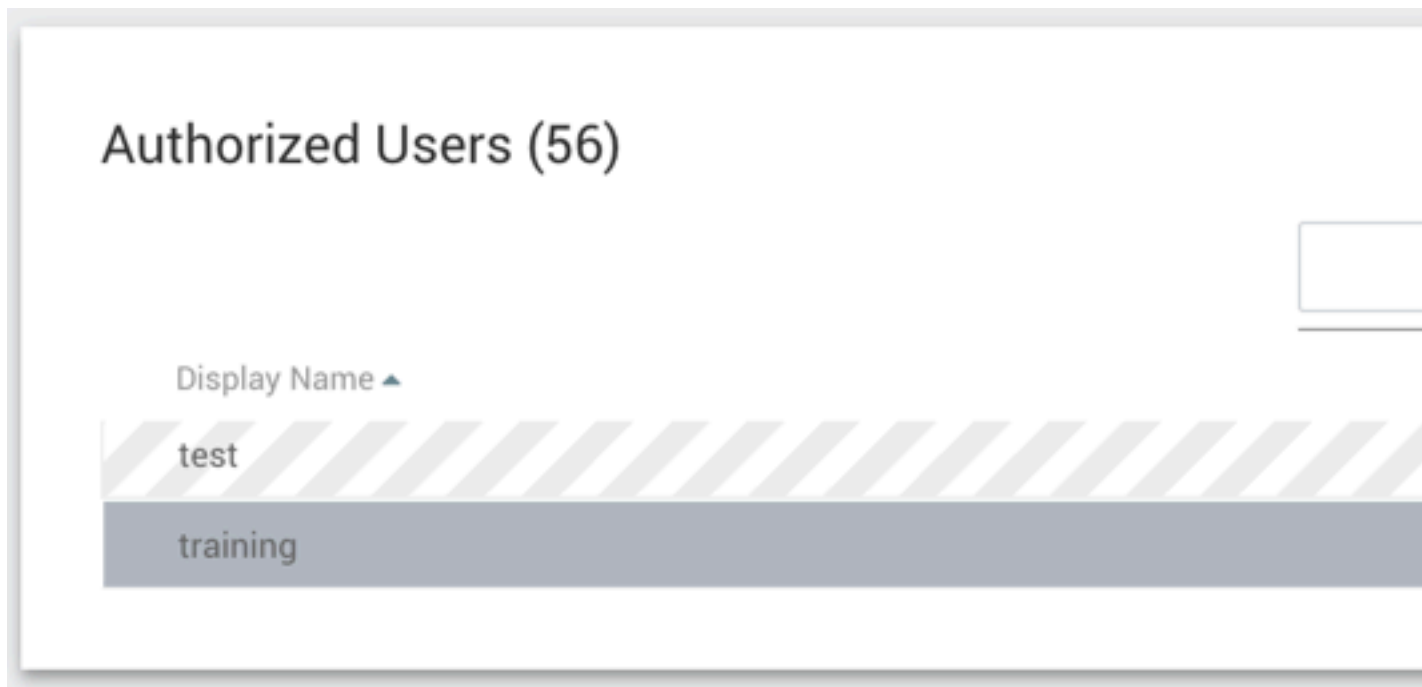


The screenshot shows the NiFi Registry Administration interface. At the top, there is a dark header with the NiFi logo and the text "NiFi Registry / Administration". Below the header, there are two tabs: "BUCKETS" and "USERS", with "USERS" being the active tab. The main content area is titled "Authorized Users (56)". Below this title, there is a dropdown menu labeled "Display Name ▲" with a list of users: "User 0", "User1", "User2", "User3", "User4", and "User5". The "User4" row is highlighted with a grey background.

2. Enter a new user name and select the "Save" button.



The screenshot displays the NiFi Registry Administration interface. At the top, there is a dark header with the NiFi logo and the text "NiFi Registry / Administration". Below the header, there are two tabs: "BUCKETS" and "USERS", with "USERS" being the active tab. The main content area is titled "Authorized Users (13)". Below this title, there is a dropdown menu labeled "Display Name ▲" with a list of users: "User0", "User1", "User2", "User3", "User4", and "User5".



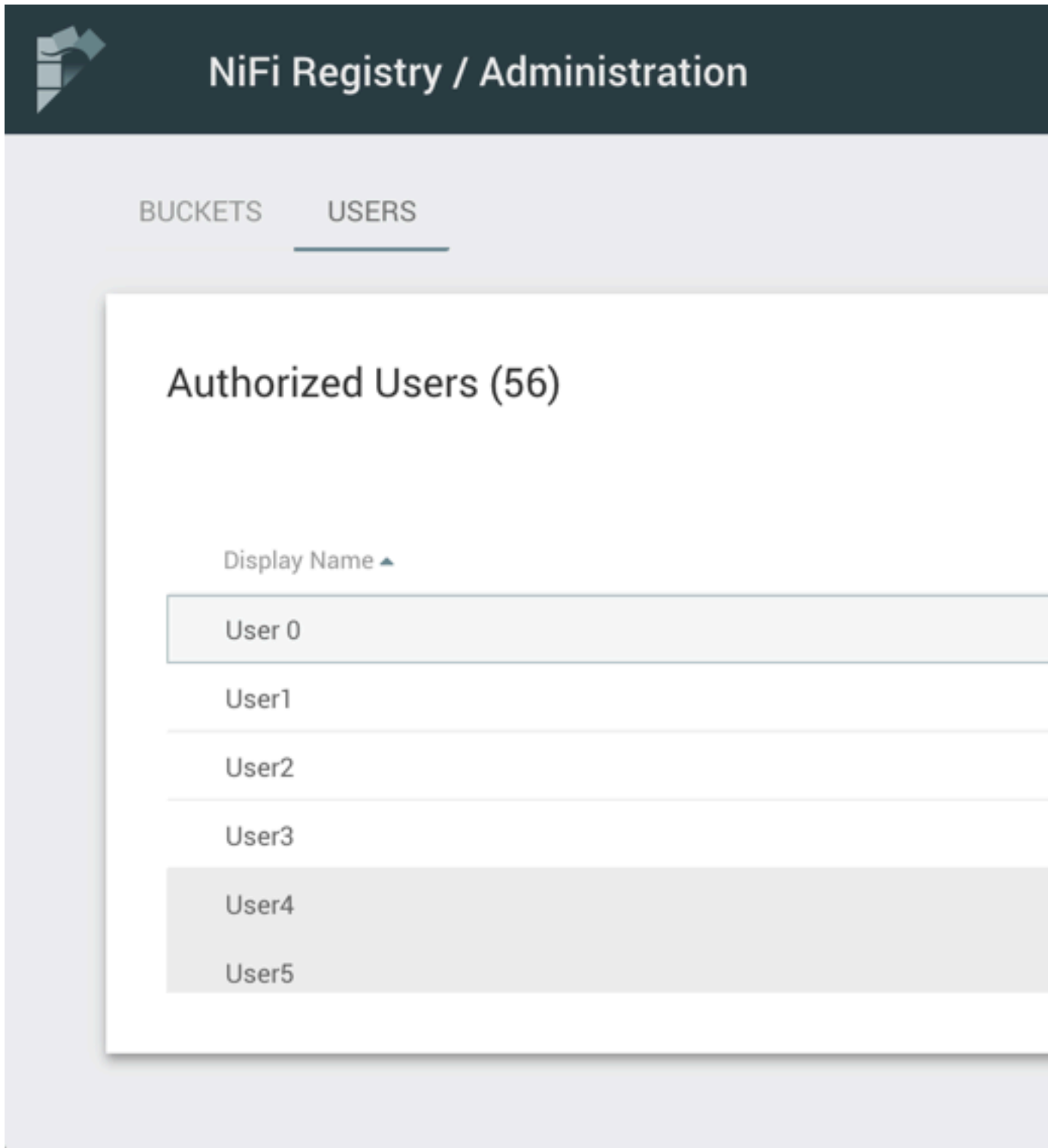
Special Privileges

Special privileges are additional permissions that allow a user to manage or access certain aspects of the Registry. The special privileges are:

- Can manage buckets - Allow a user to manage all buckets in the registry, as well as provide the user access to all buckets from a connected system (e.g., NiFi).
- Can manage users - Allow a user to manage all registry users and groups.
- Can manage policies - Allow a user to grant all registry users read, write, and delete permission to a bucket.
- Can proxy user requests - Allow a connected system (e.g., NiFi) to process requests of authorized users of that system. For example, if dev and prod NiFi clusters are connected to the same NiFi Registry instance, privileges can be set to allow the dev NiFi cluster to only update versioned flows while limiting the prod NiFi to only download flows.

Grant Special Privileges to a User

1. Select the Manage button () in the row of the user.



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Display Name ▲
User 0
User1
User2
User3
User4
User5

2. Check the desired privileges:



NiFi Registry / Administration

BUCKETS

USERS

Authorized Users (13)

Display Name ▲

User0

User1

User2

User3

User4

User5

User6

User7

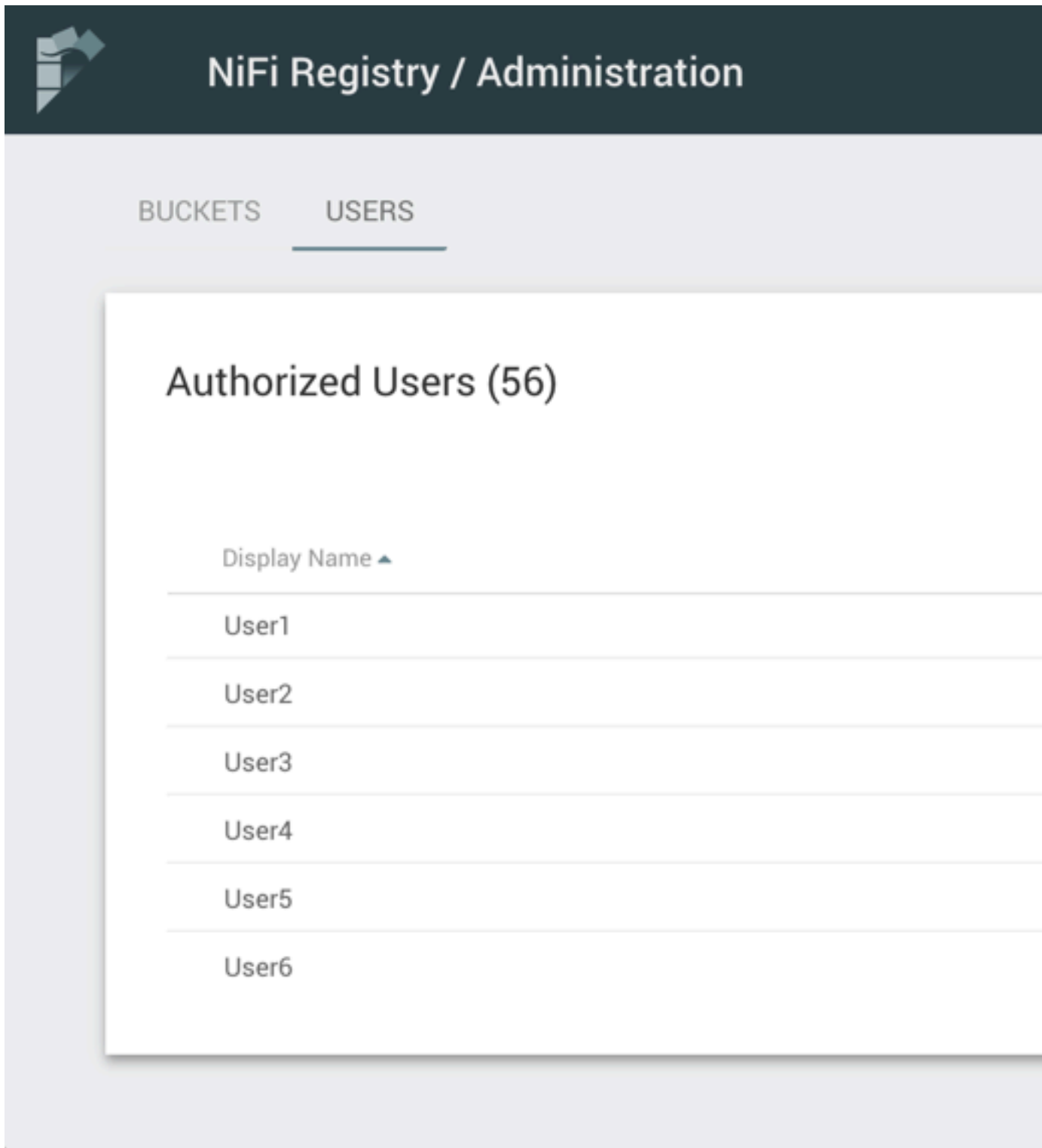
User8

3. Changes made to special privileges are automatically saved.

Manage Groups

Add an Empty Group

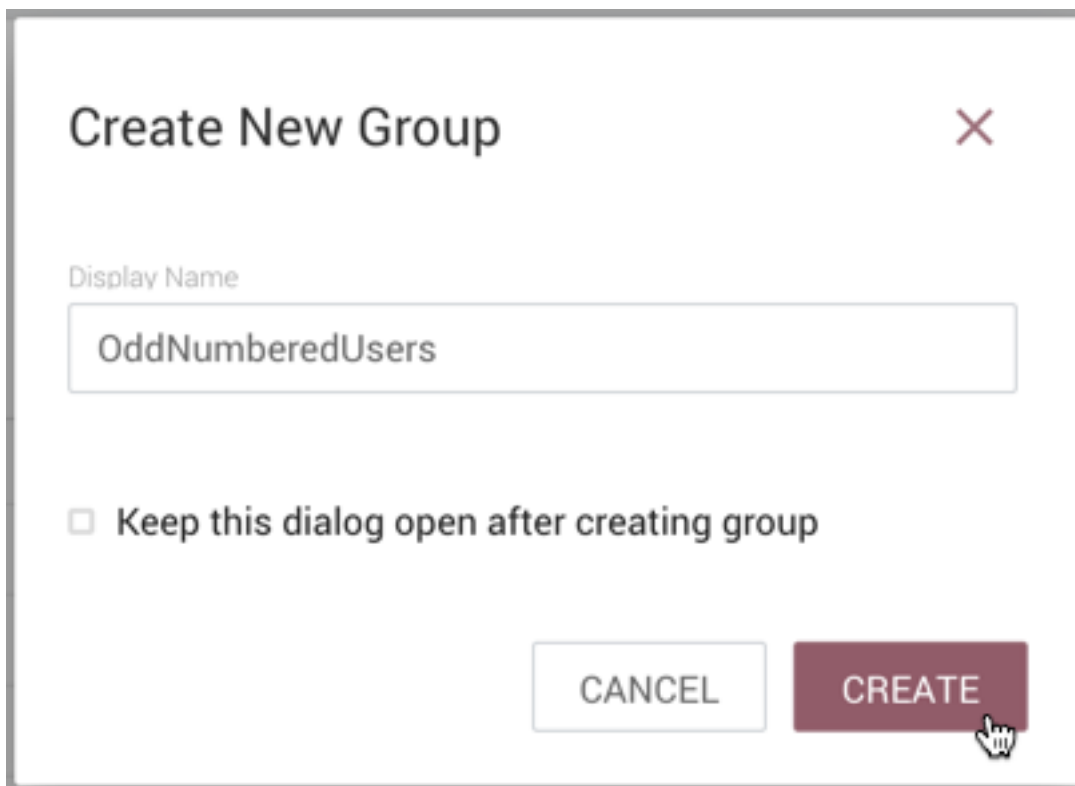
1. With no users checked, select the "Actions" drop-down and click the "Create new group" option.



The screenshot shows the NiFi Registry Administration interface. At the top, there is a dark header with the NiFi logo and the text "NiFi Registry / Administration". Below the header, there are two tabs: "BUCKETS" and "USERS", with "USERS" being the active tab. The main content area displays "Authorized Users (56)". Below this, there is a table with a header "Display Name ▲" and six rows of users: "User1", "User2", "User3", "User4", "User5", and "User6".

Display Name ▲
User1
User2
User3
User4
User5
User6

2. Enter a name for the Group and select the "Create" button.



Note: To quickly create multiple empty groups, check "Keep this dialog open after creating group".

Add User to a Group

1. Select the Manage button () in the row of the user.

2. Select the "Add To Group" button.



NiFi Registry / Administration

BUCKETS

USERS

Authorized Users (14)

Display Name ▲

User0

User1

User2

User3

User4

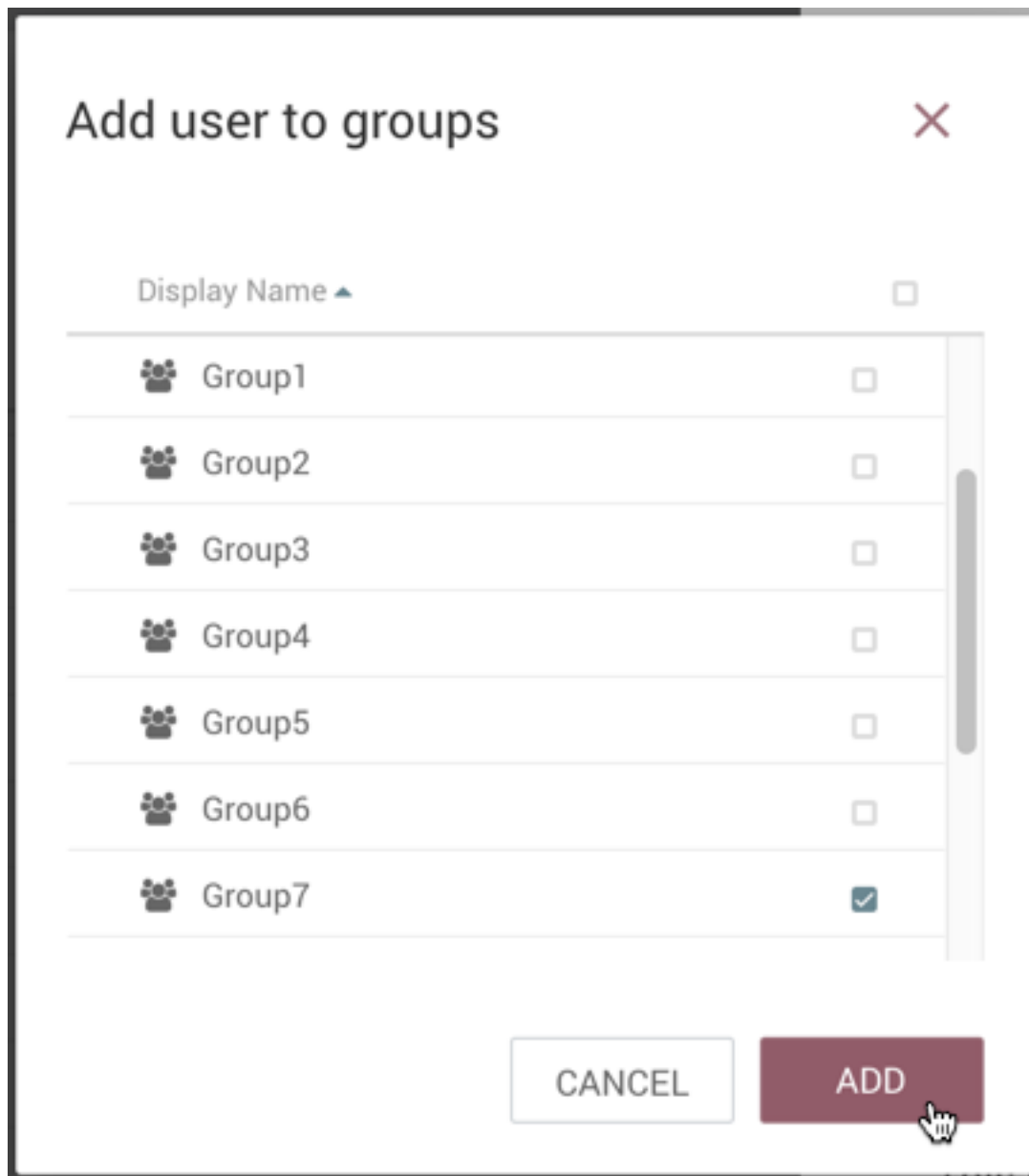
User5

User6

User7

User8

3. In the "Add User to Groups" dialog, select the group(s) to add the user to. Select the "Add" button when all desired groups have been selected.



4. The user is added to the group:



NiFi Registry / Administration

BUCKETS

USERS

Authorized Users (14)

Display Name ▲

User0

User1

User2

User3

User4

User5

User6

User7

User8



Note: Groups cannot contain other groups.

Create a New Group with Selected Users

1. Select the checkboxes in the rows of the desired users. From the "Actions" drop-down, click the "Create new group" option.



NiFi Registry / Administration

BUCKETS

USERS

Authorized Users (65)

Display Name ▲

User1

User2

User3

User4

User5

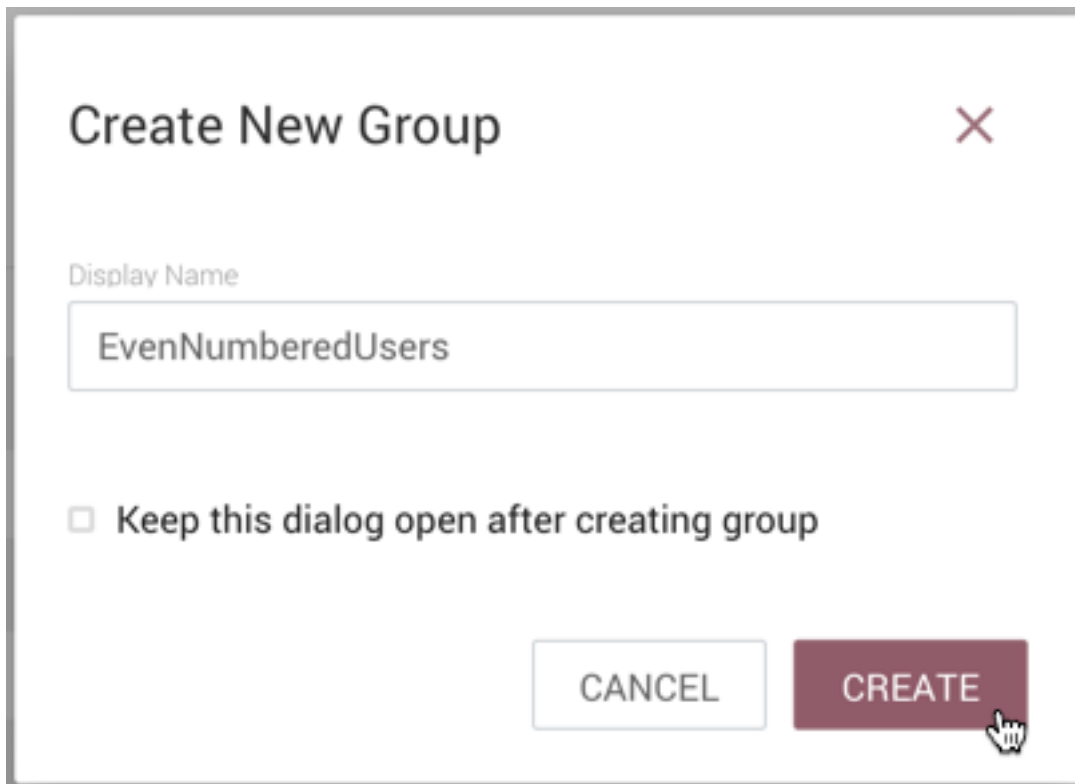
User6

User7

User8

User9

2. Enter a name for the Group and select the "Create" button.



The image shows a dialog box titled "Create New Group" with a close button (X) in the top right corner. Below the title is a text input field labeled "Display Name" containing the text "EvenNumberedUsers". Below the input field is a checkbox labeled "Keep this dialog open after creating group", which is currently unchecked. At the bottom of the dialog are two buttons: "CANCEL" and "CREATE". A mouse cursor is hovering over the "CREATE" button.

3. The new group is created with the selected users as members:



NiFi Registry / Administration

BUCKETS

USERS

Authorized Users (15)

Display Name ▲

 EvenNumberedUsers Group7

CN=localhost, OU=NIFI

CN=sys_admin, OU=NIFI

CN=test_user, OU=NIFI

User0

User1

User2

User3

User4

User5


Remove a User from a Group

There are two ways to remove a user from a group.

User Window

1. Select the Manage button () in the row of the user.

2.

In the Membership section of the window, select the Remove button () in the row of the group.



NiFi Registry / Administration

BUCKETS

USERS

Authorized Users (15)

Display Name ▲

User0

User1

User2

User3

User4

User5

User6


User7

User8


User9

Group Window

1.

Select the Manage button () in the row of the group. The Members tab is selected by default.

2.

In the Membership section of the window, select the Remove button () in the row of the user.



NiFi Registry / Administration

BUCKETS

USERS

Authorized Users (15)

Display Name ▲

 EvenNumberedUsers

 Group7

CN=localhost, OU=NIFI

CN=sys_admin, OU=NIFI

CN=test_user, OU=NIFI

User0

User1

User2

User3

User4

User5

Other Group Level Actions

Editing group names, deleting groups, adding policies to/deleting policies from groups and granting special privileges to groups follow similar procedures described earlier for corresponding user level actions.

Manage Bundles

Bundles can be managed through the REST API.

Upload Bundle

A bundle can be uploaded to a bucket by making a POST request to the following REST end-point:

```
/nifi-registry-api/buckets/<bucketId>/bundles/<bundleType>
```

Replace `bucketId` with the id of the bucket where the bundle is being uploaded to and `bundleType` with the type of bundle being uploaded. Currently, the only supported bundle type is a <https://nifi.apache.org/docs/nifi-docs/html/developer-guide.html#nars> which can be specified as `nifi-nar`.

The Content-Type of the request is expected to be `multipart/form-data`. An example of using curl to upload `my-processors-1.0.0.nar` would be the following:

```
curl -v -F file=@/path/to/my-processors-1.0.0.nar http://localhost:18080/nifi-registry-api/buckets/de8e08c9-592d-4e10-affe-b3752698f1d9/bundles/nifi-nar
```



Note: In order to upload a NAR to NiFi Registry, it must contain the file `META-INF/docs/extension-manifest.xml` which is produced by the NAR Maven plugin, starting with version 1.3.0.

Download Bundle

There are two ways to download a bundle.

Bundle Coordinates

A bundle can be downloaded by using the combination of the bucket name and bundle coordinates, where bundle coordinates are the group, artifact, and version of the bundle.

To download a bundle by its coordinates, a GET request can be made to the following end-point:

```
/nifi-registry-api/extension-repository/{bucketName}/{groupId}/{artifactId}/{version}/content
```

The Content-Type of the response is `application/octet-stream`.

An example of using curl to download `my-processors-1.0.0.nar` from the Test bucket would be the following:

```
curl http://localhost:18080/nifi-registry-api/extension-repository/Test/com.test/my-processors/1.0.0/content > my-processors-1.0.0.nar
```

Bundle Id

A bundle can be downloaded by using the combination of its unique id and version. The unique id is an id assigned to the bundle when the first version of the bundle is uploaded to NiFi Registry. This id is returned in the response of a successful upload.

To download a bundle by its id and version, a GET request can be made to the following end-point:

```
/nifi-registry-api/bundles/{bundleId}/versions/{version}/content
```

The Content-Type of the response is application/octet-stream.

An example of using curl to download my-processors-1.0.0.nar by id and version would be the following:

```
curl http://localhost:18080/nifi-registry-api/bundles/3db78035-e3ba-4cbf-820e-022f292bd68c/versions/1.0.0/content > my-processors-1.0.0.nar
```

Additional Actions

For additional actions that can be performed related to bundles, please consult the [REST API documentation](#).