Apache NiFi Registry 3

Apache NiFi Registry User Guide

Date of Publish: 2018-12-18



https://docs.hortonworks.com/

Contents

Introduction	4
Browser Support	4
Unsupported Browsers	4
Viewing the UI in Variably Sized Browsers	
Terminology	4
	_
NiFi Registry User Interface	
Logging In	5
Manage Flows	6
View a Flow	
Sorting & Filtering Flows	
Delete a Flow	9
Manage Buckets	
Sorting & Filtering Buckets	
Create a Bucket	
Delete a Bucket	
Delete Multiple Buckets	
Edit a Bucket Name	
Bucket Policies	
Create a Bucket Policy	
Delete a Bucket Policy	
Manage Users & Groups	
Sorting & Filtering Users/Groups	
Add a User	
Delete a User	
Delete Multiple Users	
Edit a User Name	
Special Privileges	
Grant Special Privileges to a User	
Manage Groups	
Add an Empty Group	
Add an Empty Group	
Create a New Group with Selected Users	
Remove a User from a Group	
1	

Us	ser Window	33
	roup Window	
Other Gro	Dup Level Actions	35

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.

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.

Bucket: A container that stores and organizes flows.

)

Policy: Defines a user or group's ability to import, view, commit changes and/or delete flows.

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://%3Chostname%3E: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.

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:

🗧 😑 🌓 🚏 NiFi Registry	×			Θ
\leftrightarrow \rightarrow C \odot localhost:1808	0/nifi-registry/explorer/grid-list			☆ :
NiFi Registry	/ All → All buckets			anonymous ?
			T Sort by:	Name (a - z) 👻
	Buckets Menu	No results match this query.		Settings

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.

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

Username	
Password	
CLEAR 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 👻				registry_user LOGOUT	
		T	Sort by:	Name (a - z) 🔻	
Flow 1 - Bucket 1 Flow	VERSIONS 1			~	
Flow 2 - Bucket 2 Flow	VERSIONS 2			~	
Flow 3 - Bucket 3 Flow	VERSIONS 3			~	

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

NiFi Registry / All 👻			registry_user LOGOUT
All buckets Bucket 1 Bucket 2 Bucket 3		T Sort by:	Name (a - z) 🔻
Flow 1 - Bucket 1 Flow	VERSIONS 1		*
Flow 2 - Bucket 2 Flow	VERSIONS 2		~
Flow 3 - Bucket 3 Flow	VERSIONS 3		~

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

NiFi Registry / All 🔻		registry_user LOGOUT
		Sort by: Name (a - z) 🔻
Flow 1 - Bucket 1 Flow	VERSIONS 1	~
Flow 2 - Bucket 2 Flow	VERSIONS 2	^
		ACTIONS -
DESCRIPTION	CHANGE LOG	
Description 2	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.

NiFi Registry / All 👻		registry_user LOGOUT
Flow 1 - Bucket 1 Flow	VERSIONS 1	▼ Sort by: Name (a - z) ▼ Name (z - a) Oldest (update)
Flow 2 - Bucket 2 Flow	VERSIONS 2	~
Flow 3 - Bucket 3 Flow	VERSIONS 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:

	NiFi Registry / All 👻				registry_user LOGOUT	0
		Flow 2	T	Sort by:	Name (a - z) 🔻	
	Flow 2 - Bucket 2 Flow	VERSIONS 2			~	
_						

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.

NiFi Registry / All 🝷					registry_u LOG	
			۲	Sort by:	Name (a - z) 🔻	
Flow 1 - Bucket 1 Flow	V 1	ERSIONS			^	
					ACTIONS 👻	
DESCRIPTION	CHANGE LOG				delete 🕁	
Description 1	Version 1 - an hour ago by nobel					
	Comments 1 Dec-26-2017 at 11:22 PM					
Flow 2 - Bucket 2 Flow	V 2	ERSIONS			~	

3. Select "Delete" to confirm.

VERSIONS		^
Delete flow	×	ACTIONS -
CHAN All versions of this flow wil	ll be deleted.	
CAN	CEL DELETE	
Comments 1 Dec-26-2017 at 11:22 PM		
	CHAN CHAN CHAN COmments 1	All versions of this flow will be deleted. CANCEL DELETE

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		User1 🤇
BUCKETS USERS		
Buckets (24)		
	NEW BUCKET ACTIO	NS 👻
Bucket Name		
Bucket 1	A Û	•
Bucket 2	A Û	•
Bucket 3	A Û	•
Bucket 4	A Û	0
Bucket 5	A Û	
Bucket 6	A 10	

The buckets listed can be filtered by:

• bucket name

- bucket description
- bucket ID

Here is an example filtering by bucket name:

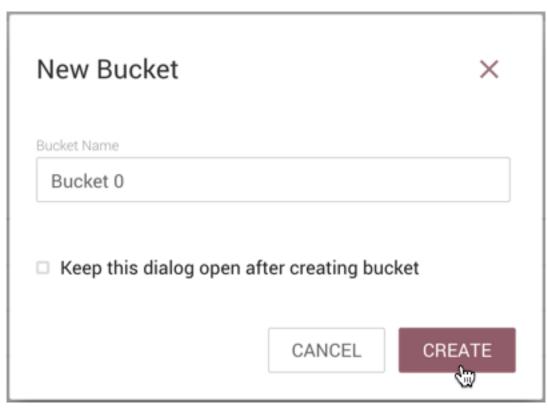
	NiFi Registry / Administration		User1 🝞 🗙
-	BUCKETS USERS		
	Buckets (24)		
		Bucket 4 🔞	NEW BUCKET ACTIONS -
	Bucket Name 🕶		
	Bucket 4		e 🛍 🗆

Create a Bucket

1. Select the "New Bucket" button.

NiFi Registry / Administration	Userl 📀 🗙
BUCKETS USERS	
Buckets (24)	NEW BUCKET ACTIONS -
Bucket Name 🔺	
Bucket 1	/ 🖬 🗆
Bucket 2	✓ û □
Bucket 3	✓ û □
Bucket 4	✓ □
Bucket 5	∕ û □
Bucket 6	/ 🗅 🗆

2. Enter the desired bucket name and select the "Create" button.



Note: To quickly create multiple buckets, check "Keep this dialog open after creating bucket".

Delete a Bucket

1. Select the Delete button



in the row of the bucket.

	NiFi Registry / Administration	Userl 😗 🗙
_	BUCKETS USERS	
	Buckets (25)	
	Bucket Name 🔺	▼ NEW BUCKET ACTIONS ▼
	Bucket 0 Bucket 1	Delete Bucket
	Bucket 2 Bucket 3	2 û . 2 û .
	Bucket 5	2 û . 2 û .

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

Delete Bucket		×
All items stored in thi deleted as well.	s bucket will b	e
	CANCEL	DELETE

Delete Multiple Buckets

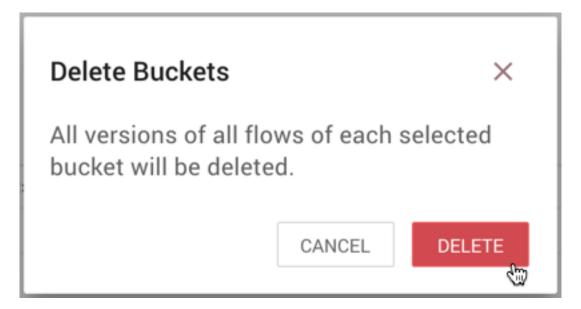
1. Select the checkboxes in the rows of the desired buckets to delete.

NiFi Registry / Administration	Userl 😗 🗙
BUCKETS USERS	
Buckets (24)	▼ NEW BUCKET ACTIONS ▼
Bucket Name 🔺	
Bucket 1	2 ₪ .
Bucket 2	/ 0 .
Bucket 3	/ 0 0
Bucket 4	e 🗓 🖂
Bucket 5	A 🗓 🗠
Bucket 6	e 🗊 🖂

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

NiFi Registry / Administration	Useri 😧 🗙
BUCKETS USERS	
Buckets (24)	
	▼ NEW BUCKET ACTIONS ▼
Bucket Name 🔺	Delete
Bucket 1	10
Bucket 2	2 Û .
Bucket 3	2 Û .
Bucket 4	1 0
Bucket 5	1 0
Bucket 6	1 🗆 🖾

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



Edit a Bucket Name

1. Select the Manage button

(in the	row of the bucket.)
	NiFi Registry / Administration		User1 😗 🗙
	BUCKETS USERS		
	Buckets (25)		
		T NEW BUCKET	CTIONS -

Bucket Name 🔺	
Bucket 0	2 til 1
Bucket 1	Manage Bucket
Bucket 2	e 🛍 🗆
Bucket 3	e 🛍 🗆
Bucket 4	e 🛍 🗆
Bucket 5	e 🖉 🗇 🗆

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

	NiFi Registry / Administration	Bucket 0	×
_	BUCKETS USERS	Identity/Bucket Name Bucket 1234	SAVE
	Buckets (25)	Policies (0)	NEW POLICY
	Bucket Name 🔺	Display Name A Permission	ns
	Bucket 0	No results to disp	lay.
	Bucket 1		
	Bucket 2		
	Bucket 3		
	Bucket 4		
	Bucket 5		
			CLOSE

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.

NiFi Registry / Administration	Bucket 7	×
BUCKETS USERS	Identity/Bucket Name Bucket 7 SAVE	
Buckets (24)	Policies (0) Display Name + Permissions	~
Bucket Name + Bucket 4	No results to display.	
Bucket 5 Bucket 6		
Bucket 7 Bucket 8		
Bucket 9		
	CLOSE	

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

New Policy	×
Display Name 🔺	
User3	
User4	
User5	
User6	
User7	
User8	
User9	
All Read Write Delete	APPLY

4. The policy is added to the bucket:

)

	NiFi Registry / Administration	Bucket 7	×
BUC	CKETS USERS	Identity/Bucket Name Bucket 7	SAVE
В	Buckets (24)	Policies (1) Display Name ▲ Permissio	NEW POLICY
	Bucket Name +	User7 read, write,	delete 🖋 🛍
-	Bucket 4 Bucket 5		
-	Bucket 6		
-	Bucket 7		
	Bucket 8		
	Bucket 9		
			CLOSE
a Bucke	t Policy		
Select the	e Manage button		
in the rov	<i>w</i> of the bucket.		
Select the	e Delete button		
_			



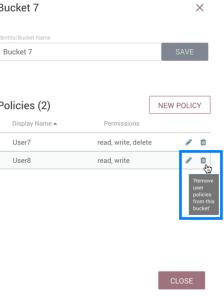
Delete

1.

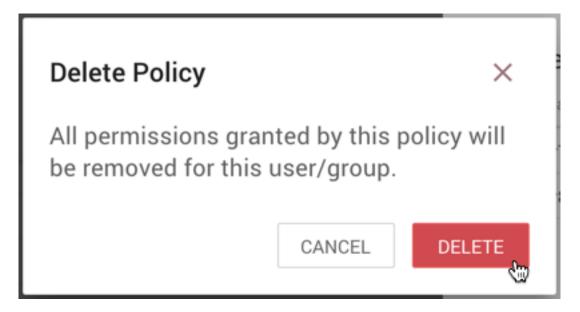
2.

in the row of the policy.

NiFi Registry / Administration	Bu
BUCKETS USERS	Ident Bu
Buckets (24)	Po
Bucket Name 🔺	
Bucket 4	
Bucket 5	
Bucket 6	
Bucket 7	
Bucket 8	
Bucket 9	



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	User1 🧃
BUCKETS USERS	
Authorized Users (55)	
Display Name	ADD USER ACTIONS -
Userl	e 🗇 🛍 🗆
User2	e 🗊 🗆
User3	e ii -
User4	✓ 前 □
User5	Ø 🛍 🗆
User6	<i>₽</i> û □

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:

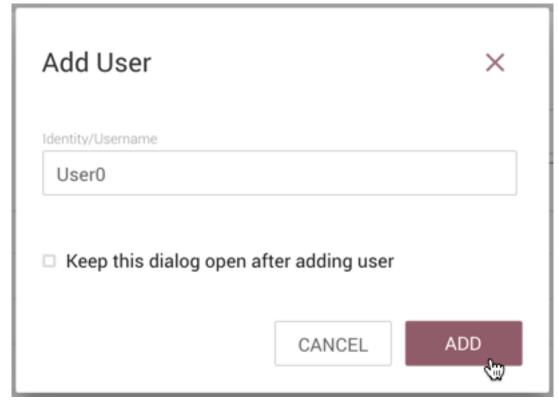
BUCKETS USERS Authorized Users (55)	ADD USER ACTIONS -	NiFi Registry / Administration			User1 😚
User4 😵 🔽 ADD USER ACTIONS 🗸		BUCKETS USERS			
		Authorized Users (55)			
Display Name A			User4 🛞	ADD USER ACTIO	ons 🗸
	e 🗇 🗇 🗆	Display Name 🔺			•
User4 🖉 🛍 🛛		User4		I	û 🗆

Add a User

1. Select the "Add User" button.

NiFi Registry / Administration	Userl 💡
BUCKETS USERS	
Authorized Users (55)	
	ADD USER ACTIONS -
Display Name 🔺	
User1	
User2	Ø 🗓 🗆
User3	/ 🗊 🗆
User4	2 ti - 0
User5	/ 🗊 🗆
User6	1 🗊 🗆

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

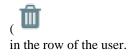




Note: To quickly create multiple users, check "Keep this dialog open after adding user".

Delete a User

1. Select the Delete button



NiFi Registry / Administration	Userl 😗 🗙
BUCKETS USERS	
Authorized Users (56)	ADD USER ACTIONS -
Display Name 🔺	
User0	/ to
User1	Delete User
User2	ℓ û □
User3	/ ti 🛛 🖡
User4	ℓ û □
User5	∕ û □

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

Delete User		×
This user will lose all	access to t	he registry.
	CANCEL	DELETE

Delete Multiple Users

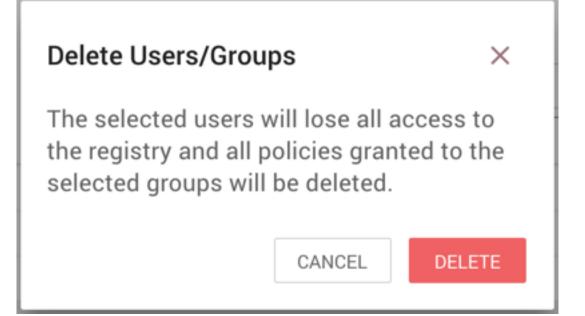
1. Select the checkboxes in the rows of the desired users to delete.

NiFi Registry / Administration	User1 🕜 🗙
BUCKETS USERS	
Authorized Users (55)	
	▼ ADD USER ACTIONS ▼
Display Name 🔺	
User1	✓ û □
User2	Ø 🛍 🗆
User3	/ û _
User4	/ û 🛛
User5	P 🖞 🖾
User6	

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

NiFi Registry / Administration		User1 🕜 🗙
BUCKETS USERS		
Authorized Users (55)		
	T ADD USER	ACTIONS -
Display Name 🔺		Delete
User1		Create new group
User2		e 🛍 🗆
User3		e 🛍 🗆
User4		/ û Ø
User5		1 🗊 🖸
User6		e 🗇 🗇 🖾

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



Edit a User Name

1. Select the Manage button

NiFi Registry / Administration		User1 🕜
UCKETS USERS		
Authorized Users (56)		
	T	DD USER ACTIONS -
Display Name 🔺		
User 0		<_ □ □
User1		Manage User
User2		e 🛍 🗆
User3		2 🖬 🗆 🖡
User4		e 🛍 🖾
		e 🛍 🖸

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

NiFi Registry / Administration	User0 ×
BUCKETS USERS	Identity/User Name User1234 SAVE
Authorized Users (56)	Special Privileges ⑦ Can manage buckets ⑦ Read Write Delete
Display Name 🔺	Can manage users ⑦ Read Write Delete Can manage policies ⑦
User1 User2 User3	Read Write Delete Can proxy user requests
User5	Membership
	Membership (0) ADD TO GROUP

Some users cannot have their names edited. For example, those defined by LDAP. These users will be specially highlighted in the list.

Authorized Users (56)	
	ADD USER ACTIONS -
Display Name 🔺	
test	J 🗇 🗇
training	/ û □

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.

Grant Special Privileges to a User

1. Select the Manage button



in the row of the user.

	NiFi Registry / Administration		User	1 🕜
BU	CKETS USERS			
A	uthorized Users (56)			
		ADD USER ACTIO	NS 🗸	
	Display Name 🔺			
	User 0			
	Userl	Manage User		
	User2	A 🗇		
	User3	A Û		0
	User4	A 🗓		
	User5	1		

2. Check the desired privileges:

NiFi Registry / Administration	User 0	×
BUCKETS USERS	Identity/User Name	SAVE
Authorized Users (56)	Special Privileges (?) Can manage buckets (?) Read Virite Delete	
Display Name *	Can manage users 3	
CN=nifi-01.eng.hortonworks.com, 0=HWX, L=Fulton, ST=Maryland, C=US	Can manage policies ⁽²⁾	
CN=nifi-02.eng.hortonworks.com, 0=HWX, L=Fulton, ST=Maryland, C=US	Read Write Delete	
CN=nifi-03.eng.hortonworks.com, 0=HWX, L=Fulton, ST=Maryland, C=US	Can proxy user requests 	
CN=nifi-05.eng.hortonworks.com, 0=HWX, L=Fulton, ST=Maryland, C=US	MEMBERSHIP	
CN=rmoran, O=HWX, L=Fulton, ST=Maryland, C=US		
Сссссс	Membership (0)	DD TO GROUP
User 0	Display Name 🔺	
User1		
This user does not belong to an		y groups
		CLOSE

3. Changes made to special privileges are automatically saved.

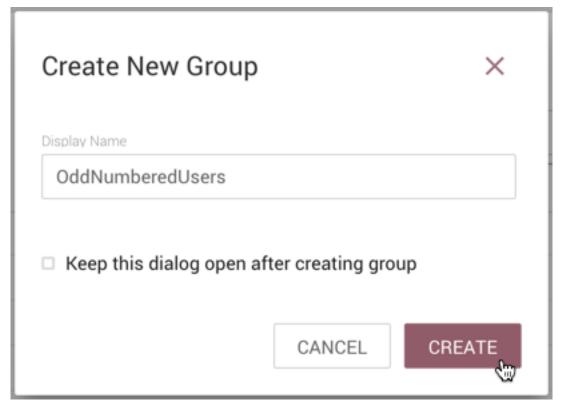
Manage Groups

Add an Empty Group

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

NiFi Registry / Administration		User1 😯 🗙
BUCKETS USERS		
Authorized Users (56)		
	T ADD USER	ACTIONS 👻
Display Name 🔺		Delete
User1		Create new group
User2		e 🛍 🗆
User3		e 🛍 🗆
User4		2 û - I
User5		e 🛍 🗆
User6		e 🛍 🗆

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	User7	×
E	BUCKETS USERS	Identity/User Name User7	SAVE
	Authorized Users (57)	Special Privileges ⑦ Can manage buckets ⑦ Read Write Delete	
	Display Name 🔺	Can manage users 📀	
	User 0	□ Can manage policies ⑦	
	User1	Read Write Delete	
	User2	🗌 Can proxy user requests 😗	
	User3	MEMBERSHIP	
	User4		
	User5	Membership (0)	ADD TO GROUP
	User6	Display Name 🔺	Ś
	User7		
	User8	This user does not belong to ar	ny groups yet.
	User9		
			CLOSE

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.

Add user to groups	×
Display Name 🔺	
📽 Group1	
📽 Group2	
📽 Group3	
📽 Group4	
📽 Group5	
📽 Group6	
📽 Group7	
CANC	

4. The user is added to the group:

	Identity/User Name	
BUCKETS USERS	User7	SAV
Authorized Users (65)	Special Privileges ⑦ Can manage buckets ⑦	
	Read Write Delete	ð
Display Name 🔺	Can manage users 🕐	
	Read Write Delete	3
User 0	Can manage policies 💿	
User1	Can proxy user requests @	3
User2		
User3	MEMBERSHIP	
User4		
User5	Membership (1)	ADD TO GR
Userő	Display Name 🔺	
User7	😤 Group7	
User8		
User9		



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	User1 😯
BUCKETS USERS	
Authorized Users (65)	ADD USER ACTIONS -
Display Name 🔺	Delete
User1	Create new group
User2	/ û □
User3	2 û 0
User4	/ 1 0
User5	P 🗊 🖂
User6	/ 0 .
User7	/ 🕯 💿
User8	/ 🗊 🗆
User9	A 🗓 🖂

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

Create New Group		×
Display Name		
EvenNumberedUsers		
Keep this dialog open af	ter creating gro	

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

)

×

NiFi Registry / Administration	📽 EvenNumberedUsers
	Identity/Group Name
BUCKETS USERS	EvenNumberedUsers
Authorized Users (65)	Special Privileges ⑦ Can manage buckets ⑦ Read Write Delet
	Can manage users
Display Name 🔺	Read Write Delet
쯜 4.44	Can manage policies
😁 DREW	Read Write Delet
EvenNumberedUsers	Can proxy user requests (?)
皆 Group1	
Group2	MEMBERSHIP
🚰 Group3	Mombership (4)
🚰 Group4	Membership (4)
管 Group5	Display Name 🔺
皆 Group6	User2
📽 Group7	User4
😤 HDF Team	User6
	User8

Delete Delete Delete ? ADD USERS Û Û Ŵ Û

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	User2	×
BUCKETS USERS	Identity/User Name	SAVE
Authorized Users (65)	Special Privileges ⑦ Can manage buckets ⑦	
	Read Write Delete Can manage users	
Display Name *	Read Write Delete	
CN=nifi-05.eng.hortonworks.com, 0=HWX, L=Fulton, ST=Maryland, C=US	Can manage policies ()	
CN=rmoran, O=HWX, L=Fulton, ST=Maryland, C=US	Read Write Delete Can proxy user requests	
	Can proxy user requests 🕖	
User 0	MEMBERSHIP	
User1		
User2	Membership (1)	ADD TO GROUP
User3	Display Name 🔺	
User4	😁 EvenNumberedUsers	
User5		'Remove user
User6		from group'
liser7		
		CLOSE

Group Window

1. Select the Manage button

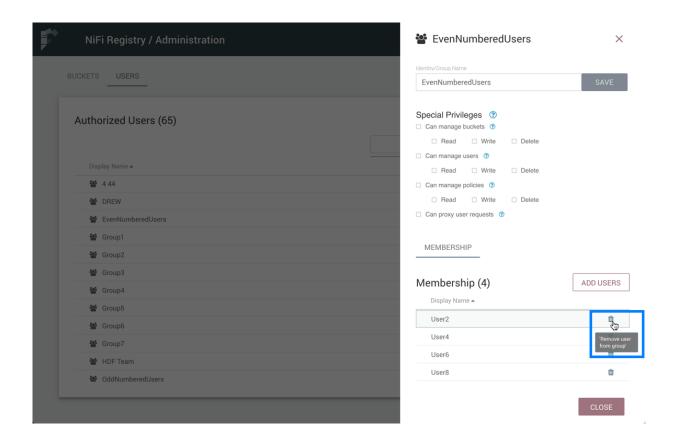


in the row of the group. The Members tab is selected by default.

2. In the Membership section of the window, select the Remove button



in the row of the user.



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.