

Insecure NiFi

_ Insecure NiFi - Standalone

nifi.properties

```
# Site to Site properties
nifi.remote.input.secure=false
nifi.remote.input.http.enabled=false

# web properties #
nifi.web.http.host=localhost
nifi.web.http.port=8080

nifi.web.https.host=
nifi.web.https.port=

# security properties #
nifi.security.keystore=
nifi.security.keystoreType=
nifi.security.truststore=
nifi.security.truststoreType=
nifi.security.user.authorizer=
nifi.security.user.login.identity.provider=
```

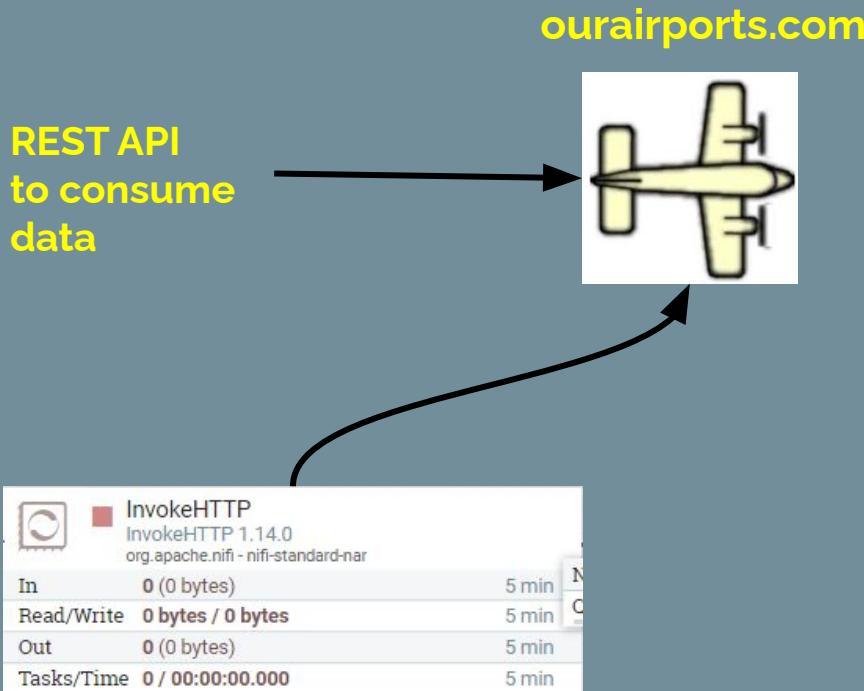
_ Unsecure NiFi - Standalone

The screenshot shows the NiFi web interface with the following components:

- Top Bar:** Includes the NiFi logo, a toolbar with various icons (e.g., file operations, process groups, processors), and a status bar showing 0 / 0 bytes, 0 errors, 0 warnings, 0 info, 0 alerts, 0 scheduled tasks, 0 scheduled processors, 0 scheduled sensors, 0 scheduled flows, and the timestamp 05:53:15 UTC.
- Left Sidebar:** Contains two sections:
 - Navigate:** Includes search and filter tools.
 - Operate:** Shows the "NiFi Flow Process Group" with ID 17d9653f-017d-1000-6f8a-910168ddb9e7, and a set of operational icons for managing the process group.
- Flow Canvas:** A large, empty grid area where NiFi components (processors, sinks, etc.) can be拖放 (dragged and dropped).

InvokeHTTP OAuth Token Example

_ Get CSV Data



Diff between InvokeHTTP & HandleHttpRequest

Web Services

Consuming Rest APIs

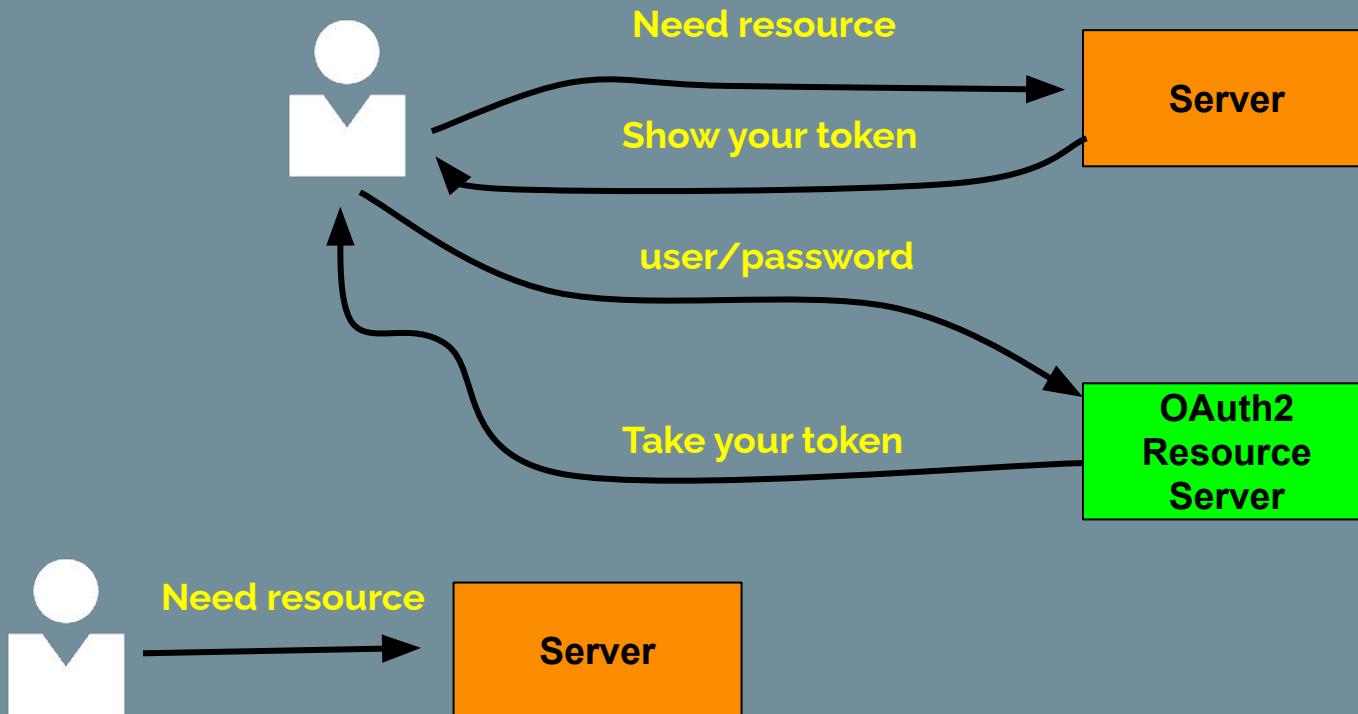
InvokeHTTP		
InvokeHTTP 1.14.0 org.apache.nifi - nifi-standard-nar		
In	0 (0 bytes)	5 min
Read/Write	0 bytes / 0 bytes	5 min
Out	0 (0 bytes)	5 min
Tasks/Time	0 / 00:00:00.000	5 min

Exposing REST APIs

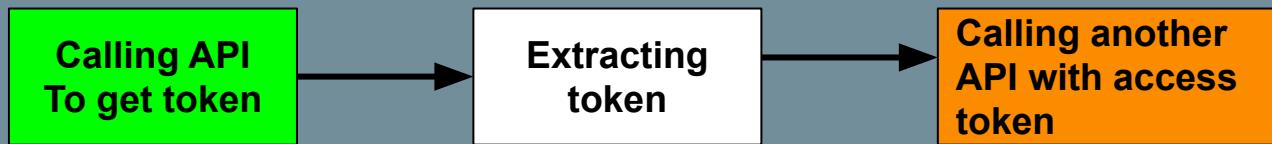
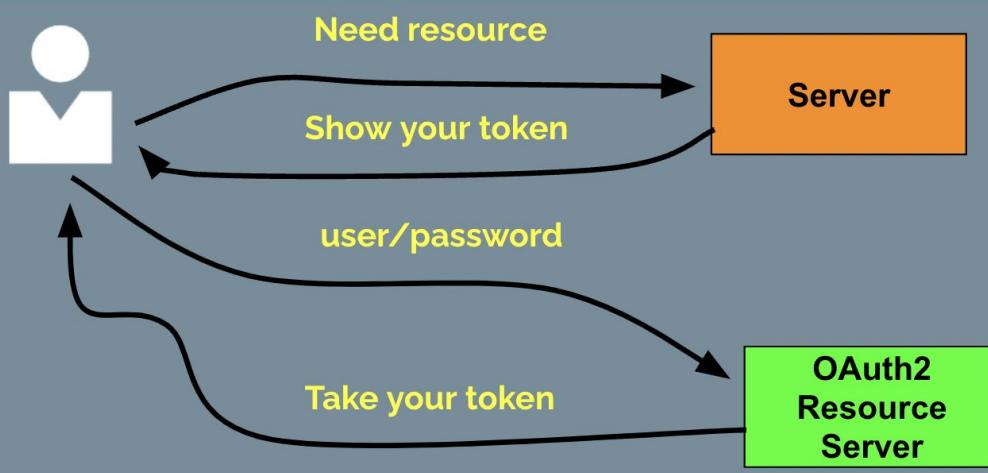
HandleHttpRequest		
HandleHttpRequest 1.14.0 org.apache.nifi - nifi-standard-nar		
In	0 (0 bytes)	5 min
Read/Write	0 bytes / 0 bytes	5 min
Out	0 (0 bytes)	5 min
Tasks/Time	0 / 00:00:00.000	5 min

HandleHttpResponse		
HandleHttpResponse 1.14.0 org.apache.nifi - nifi-standard-nar		
In	0 (0 bytes)	5 min
Read/Write	0 bytes / 0 bytes	5 min
Out	0 (0 bytes)	5 min
Tasks/Time	0 / 00:00:00.000	5 min

Handling OAuth2 Token



Handling OAuth2 Token



– Calling/Invoking a Web Service

Configure Processor

Stopped

SETTINGS SCHEDULING PROPERTIES COMMENTS

Required field

Property	Value
HTTP Method	GET
Remote URL	https://davidmegginson.github.io/ourairports-d...
SSL Context Service	No value set
Connection Timeout	5 secs
Read Timeout	15 secs
Idle Timeout	5 mins
Max Idle Connections	5
Include Date Header	True
Follow Redirects	True
Disable HTTP/2	False
Attributes to Send	No value set
Useragent	No value set

CANCEL APPLY

	InvokeHTTP	InvokeHTTP 1.14.0
		org.apache.nifi - nifi-standard-nar
In	0 (0 bytes)	5 min
Read/Write	0 bytes / 0 bytes	5 min
Out	0 (0 bytes)	5 min
Tasks/Time	0 / 00:00:00.000	5 min

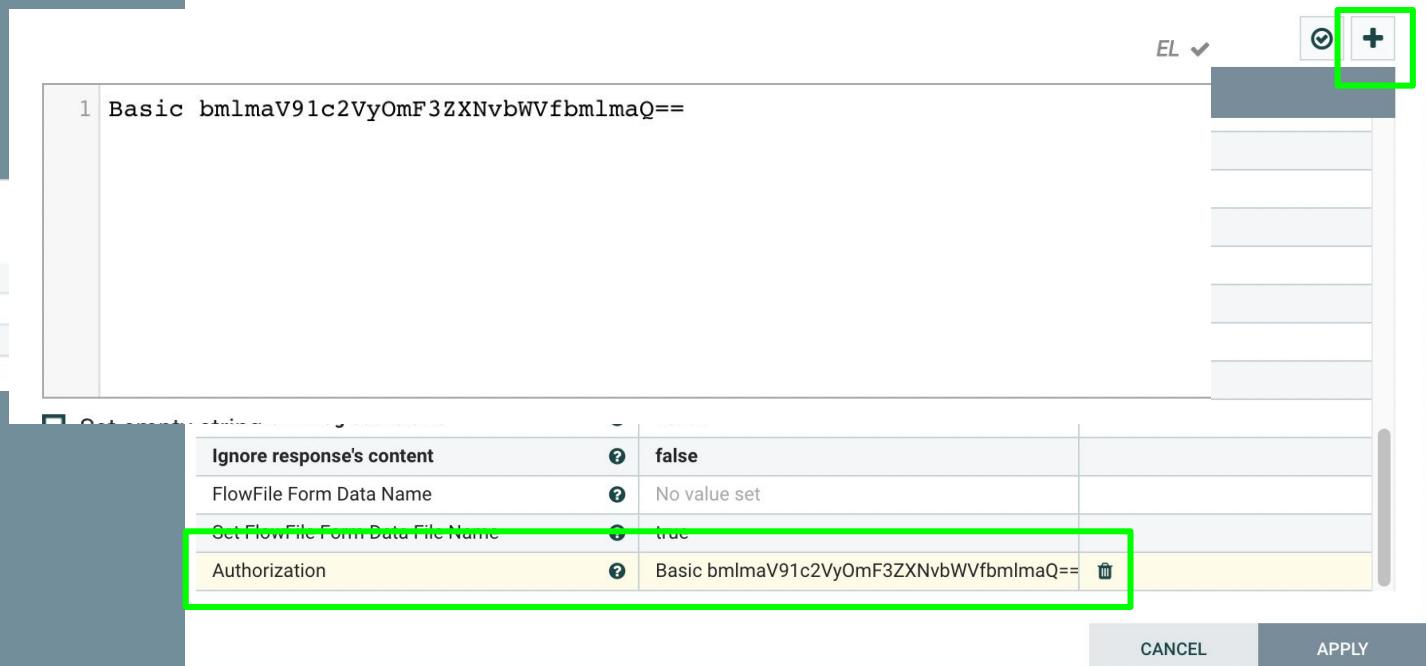
– Calling API to get access token

InvokeHTTP		
InvokeHTTP 1.14.0 org.apache.nifi - nifi-standard-nar		
In	0 (0 bytes)	5 min
Read/Write	0 bytes / 0 bytes	5 min
Out	0 (0 bytes)	5 min
Tasks/Time	0 / 00:00:00.000	5 min

Property	Value
HTTP Method	GET
Remote URL	http://localhost:9001/access/token
SSL Context Service	No value set
Connection Timeout	5 secs
Read Timeout	15 secs
Idle Timeout	5 mins
Max Idle Connections	5
Include Date Header	True
Follow Redirects	True
Disable HTTP/2	False
Attributes to Send	No value set
Useragent	No value set

– Calling API to get access token

 **InvokeHTTP**
InvokeHTTP 1.14.0
org.apache.nifi - nifi-standard-nar
In 0 (0 bytes)
Read/Write 0 bytes / 0 bytes
Out 0 (0 bytes)
Tasks/Time 0 / 00:00:00.000



– Calling API to get access token



View as: **formatted** ▾

```
1 {  
2   "access_token" : "eyJhbGciOiJIUzI1NiJ9.eyJpc3MiOiJOaUZpIENvdXJzzSIsInN1YiI6IkpxVCBuB2tlbiIsInVzZXJuYW1lIjoibmlmaV1  
3   "issued_at" : "2023-01-21T21:05:10.652Z"  
4 }
```

Getting access token as attribute

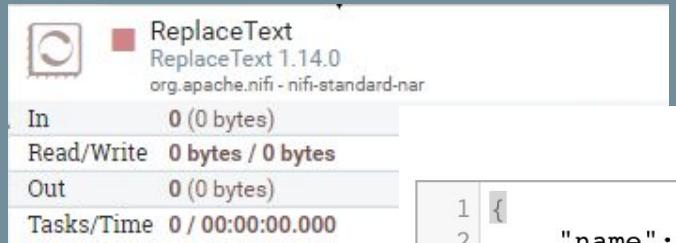
Extracting access token

	EvaluateJsonPath	EvaluateJsonPath 1.14.0
		org.apache.nifi - nifi-standard-nar
In	0 (0 bytes)	5 min
Read/Write	0 bytes / 0 bytes	5 min
Out	0 (0 bytes)	5 min
Tasks/Time	0 / 00:00:00.000	5 min

Required field		 
Property	Value	
Destination	flowfile-attribute	
Return Type	auto-detect	
Path Not Found Behavior	ignore	
Null Value Representation	empty string	
access_token	\$.access_token	

Creating data of actual request

Request Body



Required field

Property	Value
Search Value	(?s)(^.*\$)
Replacement Value	{ "name": "Mark", "age": 25, "address": "California,...
Character Set	UTF-8
Maximum Buffer Size	1 MB

EL ✓ PARAM ✓

```
1 {  
2     "name": "Mark",  
3     "age": 25,  
4     "address": "California, USA"  
5 }
```

Set empty string

CANCEL OK

– Calling actual API with access token

	InvokeHTTP	InvokeHTTP 1.14.0
		org.apache.nifi - nifi-standard-nar
In	0 (0 bytes)	5 min
Read/Write	0 bytes / 0 bytes	5 min
Out	0 (0 bytes)	5 min
Tasks/Time	0 / 00:00:00.000	5 min

Property	Value
HTTP Method	POST
Remote URL	http://localhost:9001/employee
SSL Context Service	No value set
Connection Timeout	5 secs
Read Timeout	15 secs
Idle Timeout	5 mins
Max Idle Connections	5
Include Date Header	True
Follow Redirects	True
Disable HTTP/2	False
Attributes to Send	No value set
Useragent	No value set

– Calling actual API with access token



Use Chunked Encoding	?	false
Penalize on "No Retry"	?	false
Use HTTP ETag	?	false
Maximum ETag Cache Size	?	10MB
Ignore response's content	?	false
FlowFile Form Data Name	?	No value set
Set FlowFile Form Data File Name	?	true
Authorization	?	`\${access_token:prepend('Bearer ')}`

EL ✓ PARAM ✓

```
1 ${access_token:prepend('Bearer ')}
```

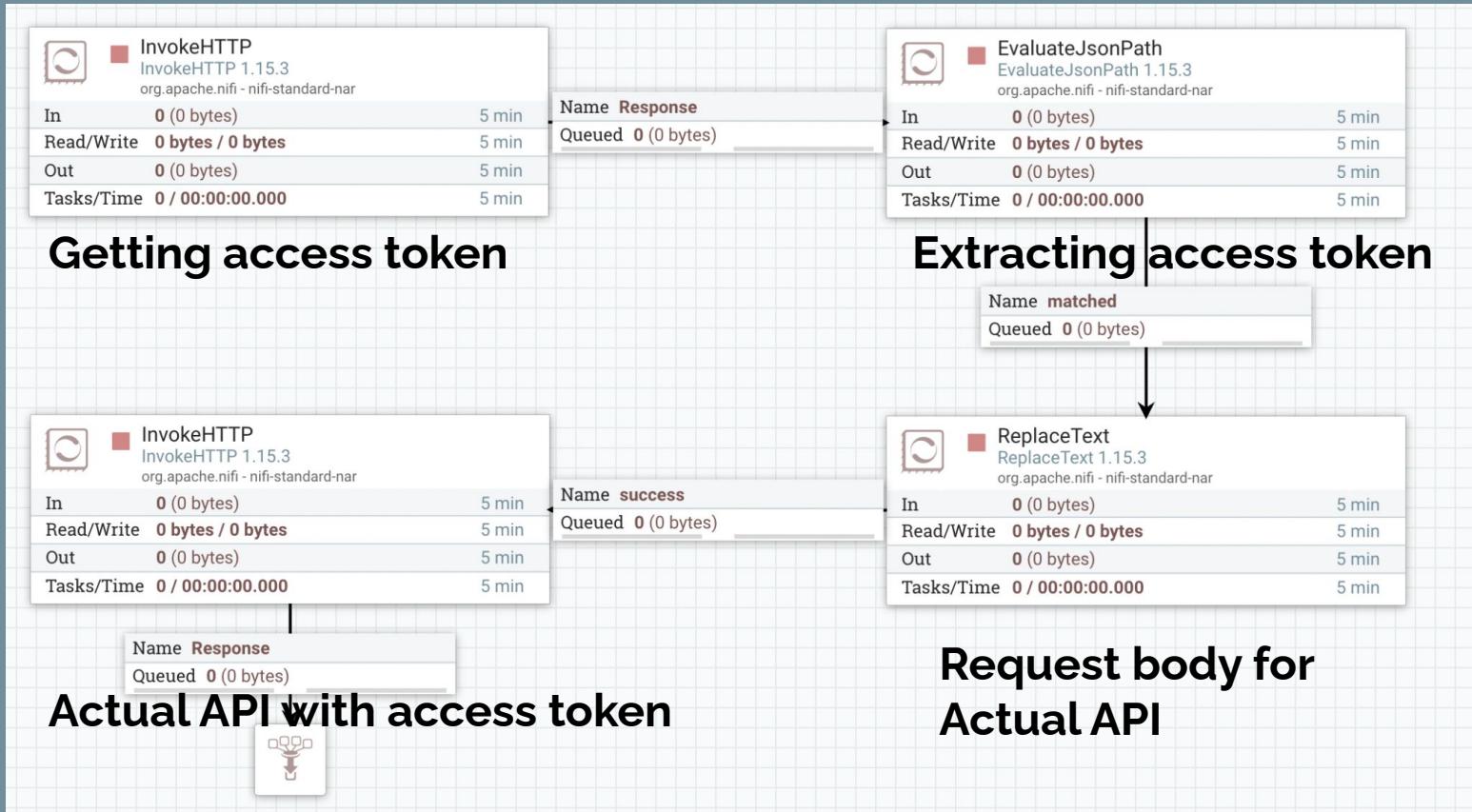
Set empty string

CANCEL OK

View as: formatted

```
1 {  
2   "id" : 1,  
3   "name" : "Mark",  
4   "age" : "25",  
5   "address" : "California, USA"  
6 }
```

– InvokeHTTP OAuth2



NiFi with Apache Registry

NiFi with NiFi Registry

What is NiFi Registry?

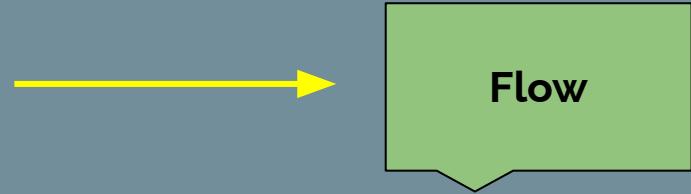
A sub-subject of Apache NiFi - complementary application that provides central location of storage and management of shared resources across one or more instances of NiFi

Supports versioning dataflows. Process Group level dataflows created in NiFi can be versioned

Registry allows for saving all changes made to the process group and also provides capability easily roll back - (Like Git versioning)

Some Registry Terminologies

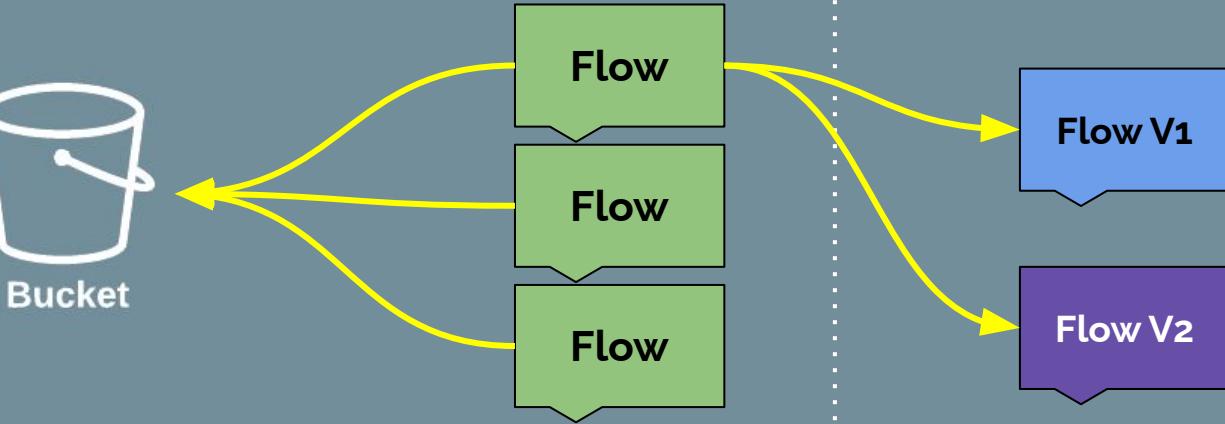
Flow



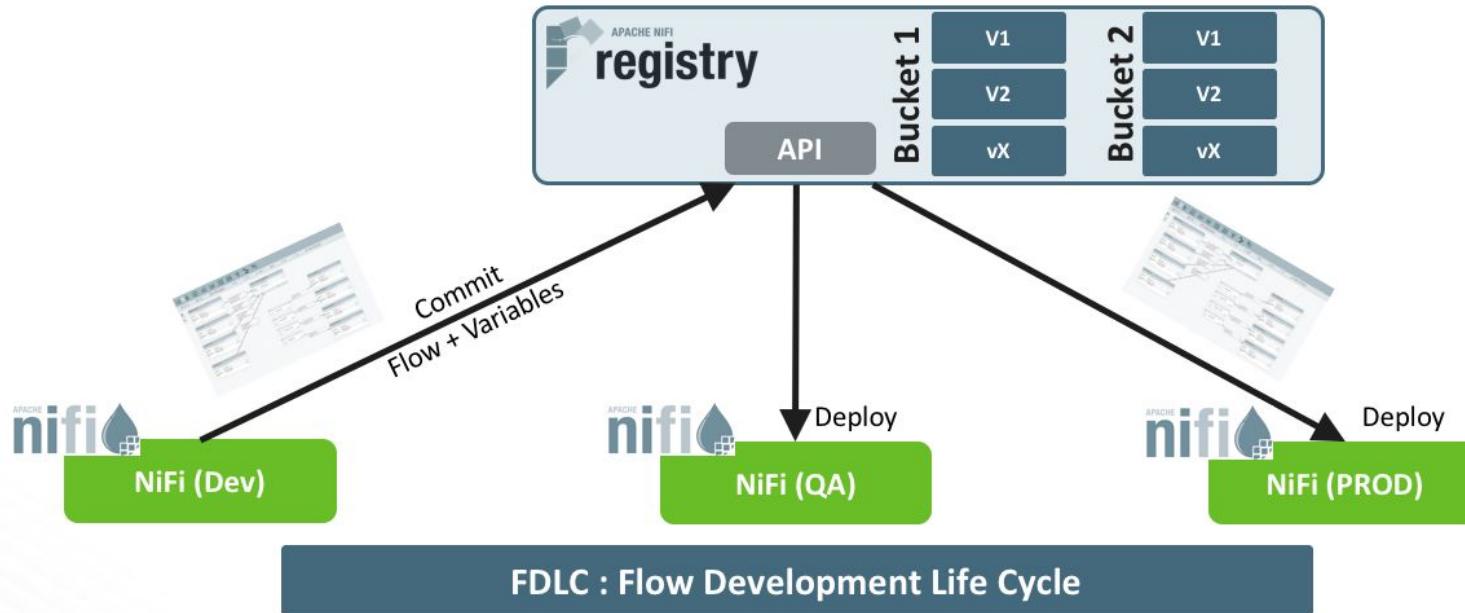
Bucket



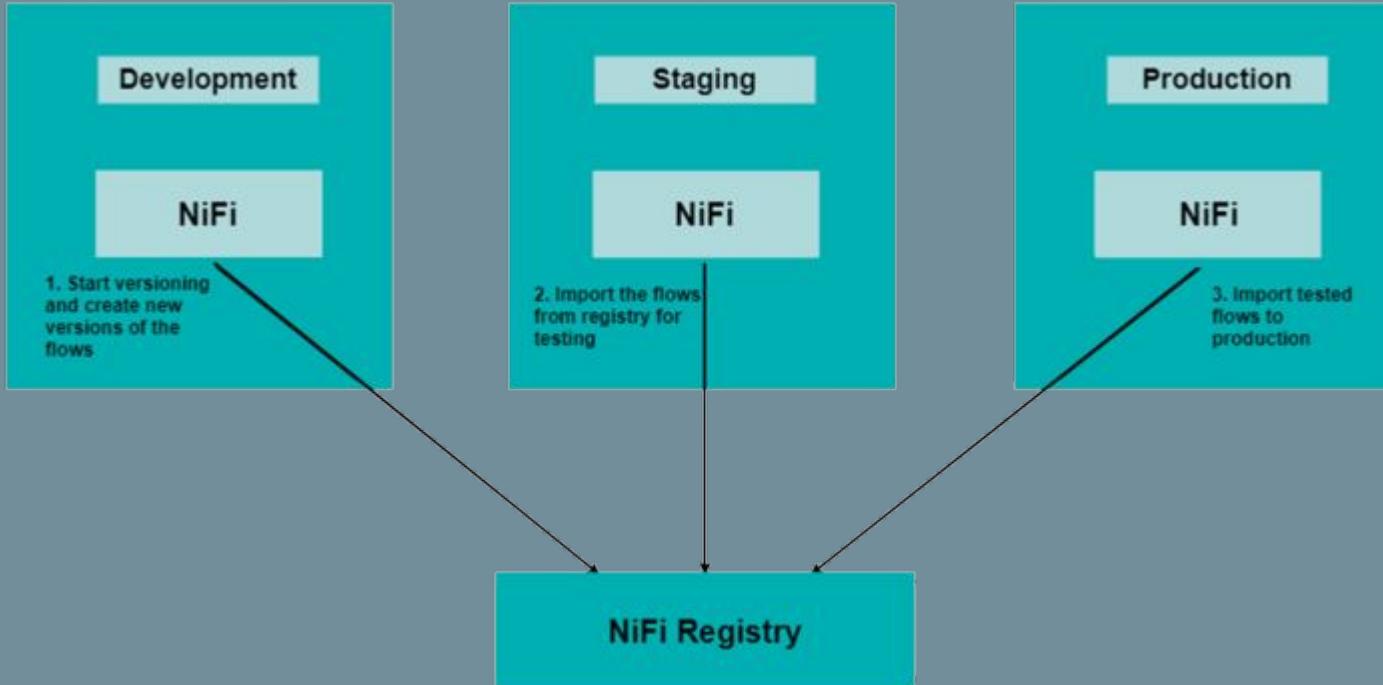
Bucket



Flow Development Life Cycle



Flow Development Life Cycle



NiFi Registry User Interface

A screenshot of the NiFi Registry interface. The URL in the browser bar is `localhost:18080/nifi-registry/#/explorer/grid-list`. The top navigation bar includes a logo, the text "NiFi Registry / All", a dropdown for "Sort by: Name (a - z)", and user authentication status ("anonymous"). On the right side of the header are "IMPORT NEW FLOW" and "Settings" buttons. A red box highlights the URL bar, and red arrows point from the "Buckets" label to the "Sort by" dropdown and from the "Settings" label to the "Settings" button. The main content area displays a message: "There are no buckets to display."

localhost:18080/nifi-registry/#/explorer/grid-list

NiFi Registry / All

Sort by: Name (a - z)

Buckets

There are no buckets to display.

IMPORT NEW FLOW

anonymous

Settings

Managing Buckets



Sort by: Name (a - z) ▾

IMPORT NEW FLOW

There are no buckets to display.

Settings



Managing Buckets

The screenshot shows the NiFi Registry / Administration interface. At the top, there are tabs for 'BUCKETS' and 'USERS'. A red box highlights the 'BUCKETS' tab. Below it, a sidebar shows 'Buckets (24)' and a list of buckets: Bucket 1, Bucket 2, Bucket 3, Bucket 4, Bucket 5, Bucket 6. A red box highlights the sidebar area. In the center, a modal dialog titled 'New Bucket' is open. It has a 'Bucket Name' input field containing 'Bucket 0', which is also highlighted with a red box. There are two checkboxes at the bottom: 'Make publicly visible' and 'Keep this dialog open after creating bucket'. At the bottom right of the dialog is a 'CREATE' button, which is also highlighted with a red box. To the right of the dialog, a list of buckets is displayed in a table format with edit, delete, and refresh icons. This entire list is also highlighted with a large red box. At the top right of the main interface, there is a user profile for 'User1' with a question mark icon and a close button.

Managing Buckets

The screenshot shows the NiFi Registry / Administration interface. At the top, there is a navigation bar with a logo, the text "NiFi Registry / Administration", and a user profile for "User1". On the left, there are two tabs: "BUCKETS" (which is selected) and "USERS". The main content area displays a list of buckets with the heading "Buckets (25)". A modal dialog box is centered over the list, titled "Delete Bucket". The dialog contains the message: "All items stored in this bucket will be deleted as well." It has two buttons at the bottom: "CANCEL" and a large red "DELETE" button, which has a cursor pointing to it. To the right of the modal, there is a table with columns for "BUCKET" and "ACTIONS". The first row of the table has a "Delete" icon highlighted with a blue border. The "ACTIONS" column for the first row contains three icons: edit, delete, and copy.

NiFi Registry / Administration

User1 ? X

BUCKETS USERS

Buckets (25)

Bucket Name ▲

- Bucket 0
- Bucket 1
- Bucket 2
- Bucket 3
- Bucket 4
- Bucket 5

Delete Bucket

All items stored in this bucket will be deleted as well.

CANCEL DELETE

BUCKET ACTIONS

BUCKET	ACTIONS
Bucket 0	
Bucket 1	
Bucket 2	
Bucket 3	
Bucket 4	
Bucket 5	

Managing Buckets

The screenshot shows the NiFi Registry / Administration interface with the 'BUCKETS' tab selected. The main area displays a list of 24 buckets, each with a name and a set of actions (Edit, Delete, Details). A blue border highlights the actions column for the last three buckets (Bucket 4, Bucket 5, and Bucket 6), indicating they are selected or being processed.

NiFi Registry / Administration

User1 ? X

BUCKETS USERS

Buckets (24)

Bucket Name ▲

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

NEW BUCKET ACTIONS ▾

Managing Buckets

The screenshot shows the NiFi Registry / Administration interface. At the top, there is a navigation bar with a logo, the text "NiFi Registry / Administration", and a user session indicator for "User1". Below the navigation bar, there are two tabs: "BUCKETS" (which is selected) and "USERS".

The main content area displays a list titled "Buckets (24)" containing the following items:

- Bucket Name ▾
- Bucket 1
- Bucket 2
- Bucket 3
- Bucket 4
- Bucket 5
- Bucket 6

A modal window titled "Delete Buckets" is open in the center. It contains the message: "All versions of all flows of each selected bucket will be deleted." At the bottom of the modal are two buttons: "CANCEL" and a red "DELETE" button, which has a hand cursor icon over it.

To the right of the modal, there is a sidebar with the following sections:

- NEW BUCKET
- ACTIONS ▾ (which is highlighted in dark purple)
- Delete (with a hand cursor icon over it)

Below these sections, there are six rows of icons, each consisting of a pencil, a trash can, and a square symbol. The last three rows have a checkmark icon next to the square symbol.

Managing Buckets

The screenshot shows the NiFi Registry / Administration interface with the 'BUCKETS' tab selected. The main area displays a list of 25 buckets, with the first few labeled as Bucket 0, Bucket 1, Bucket 2, Bucket 3, Bucket 4, and Bucket 5. A search bar, a 'NEW BUCKET' button, and an 'ACTIONS' dropdown menu are visible above the list. The 'Manage Bucket' option in the actions menu for Bucket 0 is highlighted with a cursor icon.

Bucket Name	Action
Bucket 0	Manage Bucket
Bucket 1	
Bucket 2	
Bucket 3	
Bucket 4	
Bucket 5	

Managing Users

Managing Users

The screenshot shows the NiFi Registry / Administration interface. The top navigation bar includes the NiFi logo, the title "NiFi Registry / Administration", and user information "User1". Below the title, there are two tabs: "BUCKETS" and "USERS", with "USERS" being the active tab. On the left, a sidebar titled "Authorized Users" lists users with their display names: User1, User2, User3, User4, User5, and User6. A modal dialog box titled "Add User" is open in the center. It contains a form with an "Identity/Username" field containing "User0". There is also a checkbox labeled "Keep this dialog open after adding user". At the bottom of the dialog are "CANCEL" and "ADD" buttons, with a cursor hovering over the "ADD" button. To the right of the modal, the main user list is displayed in a table format with columns for "Actions", "Display Name", and "Identity/Username". The "ADD USER" button in the header and the "ADD" button in the dialog are both highlighted with red boxes.

Managing Users

The screenshot shows the NiFi Registry / Administration interface. At the top, there is a navigation bar with a logo, the text "NiFi Registry / Administration", and a user profile for "User1". On the left, there are two tabs: "BUCKETS" and "USERS", with "USERS" being the active tab. In the center, a modal dialog titled "Delete User" is displayed, containing the message "This user will lose all access to the registry." with "CANCEL" and "DELETE" buttons. The "DELETE" button has a cursor icon pointing to it. To the right of the modal, there is a table with several rows, each representing a user. The first row is highlighted. The table includes columns for "Display Name", "Actions" (with edit, delete, and copy icons), and a "Delete User" button. The users listed are User0, User1, User2, User3, User4, and User5.

Display Name	Action	Delete User
User0		
User1		
User2		
User3		
User4		
User5		

Managing Users

The screenshot shows the NiFi Registry / Administration interface. At the top, there is a navigation bar with a logo, the text "NiFi Registry / Administration", and a user profile for "User1".

The main area has two tabs: "BUCKETS" and "USERS", with "USERS" being the active tab. On the left, a list titled "Authorized Users" displays a table with columns for "Display Name" and "Actions". The table contains rows for User1, User2, User3, User4, User5, and User6. The row for User3 is highlighted with a red box.

A modal dialog titled "Delete Users/Groups" is centered on the screen. It contains a warning message: "The selected users will lose all access to the registry and all policies granted to the selected groups will be deleted." At the bottom of the dialog are two buttons: "CANCEL" and a larger "DELETE" button.

To the right of the modal, there is a "ACTIONS" dropdown menu with options: "Delete" (which is highlighted with a red box), "Create new group", and other items like edit and delete.

Below the "ACTIONS" menu, there is another table with rows for User1, User2, User3, User4, User5, and User6. Each row has edit, delete, and checkmark icons. The row for User3 is also highlighted with a red box.

Managing Users

NiFi Registry / Administration

User1 ? X

BUCKETS USERS

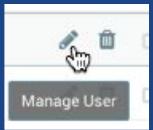
Authorized Users (56)

Display Name ▲

Display Name	Action
User 0	  
User1	  
User2	  
User3	  
User4	  
User5	  

 ADD USER ACTIONS ▾

 Manage User



Managing Users

NiFi Registry / Administration

BUCKETS USERS

Authorized Users (13)

Display Name ▾

- User0
- User1
- User2
- User3
- User4
- User5

User4

Identity/User Name

User1234

SAVE

Special Privileges [?](#)

- Can manage buckets [?](#)
 - Read
 - Write
 - Delete
- Can manage users [?](#)
 - Read
 - Write
 - Delete
- Can manage policies [?](#)
 - Read
 - Write
 - Delete
- Can proxy user requests [?](#)
 - Read
 - Write
 - Delete

MEMBERSHIP

Membership (0)

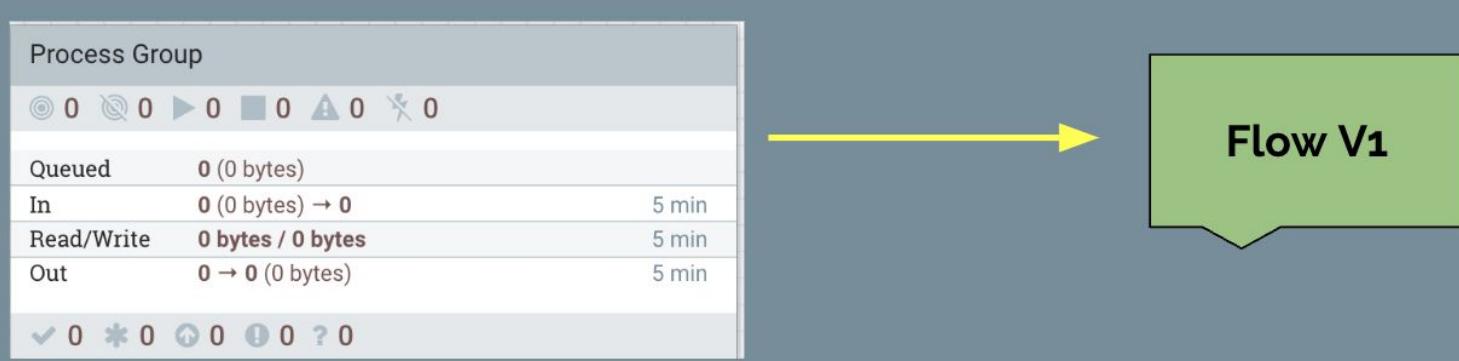
ADD TO GROUP

CLOSE

Versioning Dataflow With NiFi Registry

Versioning a DataFlow

When NiFi is connected to Registry, the dataflows can be versioned at process group level



Connecting with NiFi Registry



0

0 / 0 bytes

0

0

0

0

0

0

0

0

0

0

0

0

0

0

Navigation



Operate



NiFi Flow
Process Group

22164a68-0160-1000-e68d-a75c6dccdec1



NiFi Flow

- [Summary](#)
- [Counters](#)
- [Bulletin Board](#)
- [Data Provenance](#)
- [Controller Settings](#)
- [Flow Configuration History](#)
- [Users](#)
- [Policies](#)
- [Templates](#)
- [Help](#)
- [About](#)

NiFi Settings

X

GENERAL REPORTING TASK CONTROLLER SERVICES REPORTING TASKS REGISTRY CLIENTS

Click to add a Registry Client ➔ +

Name	Location	Description
------	----------	-------------

Last updated: 16:18:47 EST

NiFi Flow

Add Registry Client

Name

Local Registry

URL

http://localhost:18080

Description

CANCEL

ADD

NiFi Settings

GENERAL

REPORTING TASK CONTROLLER SERVICES

REPORTING TASKS

REGISTRY CLIENTS

Name	Location	Description	
Local Registry	http://localhost:18080		



Last updated: 16:18:47 EST

NiFi Flow

In:

0 (0 bytes)

5 min

Start versioning a
dataflow



0 1 / 62 bytes

Process Group

4

3

1

0

0

0

0

0

0

0

01:43:03 IST



Navigate

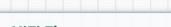


Operate

NiFi Flow

Process Group

df0140a1-0181-1000-9eae-a1116a1a928d





0

1 / 62 bytes

0

0

4

3

1

0

0

0

0

0

0

0

0

01:45:34 IST



Navigate



Operate

Process Group ABC

Process Group

2d29343d-f902-12c8-c909-e5bc7b29e3b2



Process Group ABC

Queued	0 (0 bytes)
In	0 (0 bytes) → 0
Read/Write	0 bytes / 0 bytes
Out	0 → 0 (0 bytes)

Configure

Variables

Version

Enter group

▶ Start

■ Stop

⚡ Enable

✖ Disable

View status history

View connections

Center in view

Group

Download flow definition

Create template

Copy

Empty all queues

Delete

Start version control



0

1 / 62 bytes

0

0

4

3

1

0

0

0

0

0

0

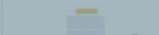
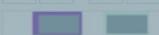
0

0

01:48:06 IST



Navigate

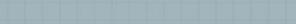


Operate

Process Group ABC

Process Group

2d29343d-f902-12c8-c909-e5bc7b29e3b2



Save Flow Version

Registry

Local Registry

Bucket

Bucket 1

Flow Name

ABC

1

Flow Description

Moves file from source file system to destination file system

Version Comments

Initial Save

CANCEL

SAVE



0 / 0 bytes

0

0

4

1

1

0

0

0

0

0

0

0

01:51:23 IST



Navigate



Operate

Process Group ABC

Process Group

2d29343d-f902-12c8-c909-e5bc7b29e3b2



✓ 1



Up to date

Process Group ABC	
Queued	0 (0 bytes)
In	0 (0 bytes) → 0
Read/Write	0 bytes / 0 bytes
Out	0 → 0 (0 bytes)
✓ 0	* 0
⊕ 0	⌚ 0
⌚ 0	✖ 0
✖ 0	?

On NiFi Registry

NiFi Registry / All ▾

Sort by: Name (a - z) ▾

ABC - Bucket 1 Flow	BUCKET IDENTIFIER 5c47a7fa-b528-4e87-9d44-8ca37b208e12	CHANGE LOG
	FLOW IDENTIFIER 58b1f722-f73e-498d-a4b0-2c2cba0b5aed	Version 1 - 3 minutes ago by anonymous
DESCRIPTION Moves file from source file system to destination file system		Initial Save Oct-06-2022 at 1:50 AM

Save Flow Version

Registry
Local Registry

Bucket
Bucket 1

Flow Name
ABC

Flow Description
Moves file from source file system to destination file system

Version Comments
Initial Save

CANCEL SAVE

ABC - Bucket 1 Flow

BUCKET IDENTIFIER
5c47a7fa-b528-4e87-9d44-8ca37b208e12

CHANGE LOG

Version 1 - 3 minutes ago
by anonymous

Initial Save
Oct-06-2022 at 1:50 AM

FLOW IDENTIFIER
58b1f722-f73e-498d-a4b0-2c2cba0b5aed

DESCRIPTION
Moves file from source file system to destination file system

Registry
Local Registry

Bucket
Bucket 1

Flow Name
ABC

Flow Description
Moves file from source file system to destination file system

Version Comments
Initial Save

CANCEL SAVE

—

Adding changes to sync dataflow



0

0 / 0 bytes

0

4

1

2

0

0

1

0

0

02:01:22 IST



Navigate



Operate

Process Group ABC
Process Group

2d29343d-f902-12c8-c909-e5bc7b29e3b2





0 0 / 0 bytes

0 0

> 4

1

2

0

0

0

0

0

02:00:32 IST



Navigate



Operate

Process Group ABC

Process Group

2d29343d-f902-12c8-c909-e5bc7b29e3b2



* 1

Locally modified

* Process Group ABC

Queued	0 (0 bytes)
In	0 (0 bytes) → 0
Read/Write	0 bytes / 0 bytes
Out	0 → 0 (0 bytes)

 Configure
Variables

Version

Enter group

Start

Stop

Enable

Disable

View status history

View connections

Center in view

Group

Download flow definition

Create template

Copy

Empty all queues

Delete

Commit local changes

Show local changes

Revert local changes

Stop version control



0 0 / 0 bytes

0

4

1

2

0

0

1

0

0

0

0

0

02:04:13 IST



Navigate



Operate

Process Group ABC
Process Group

2d29343d-f902-12c8-c909-e5bc7b29e3b2



Show Local Changes

The following changes have been made to ABC (Version 1).

Displaying 1 of 1

Filter

Component Name	Change Type	Difference
GenerateFlowFile	Component Added	Processor was added

CLOSE



0

0 / 0 bytes

0

0

4

1

2

0

0

1

0

0

0

0

0

02:05:57 IST



Navigate



Operate

Process Group ABC
Process Group

2d29343d-f902-12c8-c909-e5bc7b29e3b2



Revert Local Changes

The following changes have been made to ABC (Version 1). **Revert** will remove all changes.

Displaying 1 of 1

Filter

Component Name	Change Type	Difference
GenerateFlowFile	Component Added	Processor was added

CANCEL

REVERT

0 0 / 0 bytes

0 0

4 1

2

0

0

1

0

0

0

0

02:08:00 IST



Navigate



Operate

Process Group ABC
Process Group

2d29343d-f902-12c8-c909-e5bc7b29e3b2



Save Flow Version

Registry

Local Registry

Bucket

Bucket 1

Flow Name

ABC

Flow Description

Moves file from source file system to destination file system

version Comments

Added GenerateFlowFile

Version of
the flow to
be saved

2

CANCEL

SAVE

On NiFi Registry

NiFi Registry / All ▾ anonymous ? 🔒

Sort by: Name (a - z) ▾

ABC - Bucket 1
Flow

VERSIONS 2

ACTIONS ▾

BUCKET IDENTIFIER	CHANGE LOG
5c47a7fa-b528-4e87-9d44-8ca37b208e12	<p>Version 2 - a few seconds ago by anonymous</p> <p>Added GenerateFlowFile Oct-06-2022 at 2:10 AM</p>
FLOW IDENTIFIER	
58b1f722-f73e-498d-a4b0-2c2cba0b5aed	
DESCRIPTION	
Moves file from source file system to destination file system	<p>Version 1 - 20 minutes ago by anonymous</p>

Syncing with new
changes



0 / 0 bytes

0

0

4

1

3

0

2

0

0

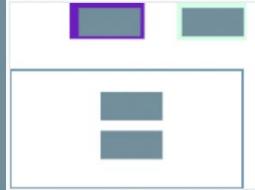
0

0

02:16:47 IST



Navigate



Operate

NiFi Flow
Process Group

df0140a1-0181-1000-9eae-a1116a1a928d



Process Group ABC

Queued 0 / 0 bytes

In 0 (0 bytes) → 0 5 min

Read/Write 0 bytes / 0 bytes 5 min

Out 0 → 0 (0 bytes) 5 min

✓ 0 * 0 ⏪ 0 ⓘ 0 ? 0

Process Group ABC - COPY!!

Queued 0 / 0 bytes

In 0 (0 bytes) → 0 5 min

Read/Write 0 bytes / 0 bytes 5 min

Out 0 → 0 (0 bytes) 5 min

✓ 0 * 0 ⏪ 0 ⓘ 0 ? 0

Adding a Funnel to “Process Group ABC”



0 / 0 bytes

0

0

4

2

2

0

1

1

0

0

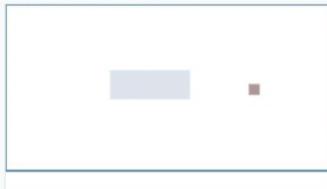
0

0

02:17:59 IST



Navigate



Operate

GenerateFlowFile
Processor

2d293441-f902-12c8-d0a7-0a5200900263



	GenerateFlowFile GenerateFlowFile 1.15.3 org.apache.nifi - nifi-standard-nar
In	0 (0 bytes)
Read/Write	0 bytes / 0 bytes
Out	0 (0 bytes)
Tasks/Time	0 / 00:00:00.000

Name **success**
Queued 0 (0 bytes)





0 0 / 0 bytes

0 0

> 4

2

! 2

0

✓ 1

* 1

0

! 0

? 0

02:18:17 IST

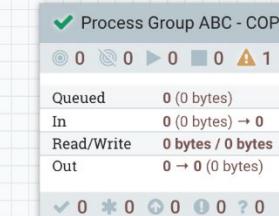
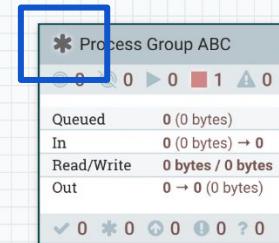


Navigate



Operate

Process Group ABC

Process Group
2d29343d-f902-12c8-c909-e5bc7b29e3b2

Configure

Variables

Version

Enter group

Start

Stop

Enable

Disable

View status history

View connections

Center in view

Group

Download flow definition

Create template

Copy

Empty all queues

Delete

Commit local changes

Show local changes

Revert local changes

Stop version control



0

0 / 0 bytes

0

4

2

2

0

1

1

0

0

0

02:18:46 IST



Navigate



Operate

Process Group ABC

Process Group
2d29343d-f902-12c8-c909-e5bc7b29e3b2

Save Flow Version

Registry

Local Registry

Bucket

Bucket 1

Flow Name

ABC

Flow Description

Moves file from source file system to destination file system

Version Comments

Added a Funnel

3

CANCEL

SAVE

On NiFi Registry

NiFi Registry / All ▾

anonymous  

Sort by: Name (a - z) ▾

IMPORT NEW FLOW

ABC - Bucket 1
Flow

VERSIONS
3

ACTIONS ▾

BUCKET IDENTIFIER
5c47a7fa-b528-4e87-9d44-8ca37b208e12

FLOW IDENTIFIER
58b1f722-f73e-498d-a4b0-2c2cba0b5aed

DESCRIPTION
Moves file from source file system to destination file system

CHANGE LOG 

Version 3 - 2 minutes ago by anonymous
Added a Funnel Oct-06-2022 at 2:18 AM

Version 2 - 11 minutes ago by anonymous

Version 1 - 30 minutes ago by anonymous



0

0 / 0 bytes

0

0

4

2

2

0

1

0

1

0

0

0

0

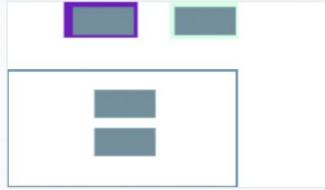
0

0

02:19:02 IST



Navigate



Operate

NiFi Flow Process Group

df0140a1-0181-1000-9eae-a1116a1a928d





0

0 / 0 bytes

0

0

4

2

2

0

1

0

1

0

0

0

02:24:26 IST



Navigate



Operate

Process Group ABC - COPY!!
Process Group

2d293443-f902-12c8-f5ce-2481321ec770



DELETE

✓ Process Group ABC

🕒 0 ⏱ 0 ➡ 0 🚧 1 ⚠ 0 ✅ 0

Queued	0 (0 bytes)
In	0 (0 bytes) → 0
Read/Write	0 bytes / 0 bytes
Out	0 → 0 (0 bytes)

5 min
5 min
5 min

✓ 0 * 0 ⏱ 0 ? 0

⚠ Process Group ABC - COPY!!

🕒 0 ⏱ 0 ➡ 0 🚧 1 ✅ 0

Queued	0 (0 bytes)
In	0 (0 bytes) → 0
Read/Write	0 bytes / 0 bytes
Out	0 → 0 (0 bytes)

✓ 0 * 0 ⏱ 0 ? 0

⚙ Configure

Variables

Version

➡ Enter group

▶ Start

■ Stop

⚡ Enable

✗ Disable

🕒 View status history

🔗 View connections

❖ Center in view

addGroup

Download flow definition

>Create template

Copy

➡ Empty all queues

Delete

Change version

Stop version control



0 0 / 0 bytes

Change Version

Registry

Local Registry

Bucket

Bucket 1

Flow Name

ABC

Current Version

2

Version	Created	Comments
3	10/06/2022 02:18:59.083	Added a Funnel
2	10/06/2022 02:10:42.685	Added GenerateFlowFile
1	10/06/2022 01:50:55.040	Initial Save

CANCEL

CHANGE



0 / 0 bytes

0

0

4

2

2

0

1

0

1

0

0

0

02:26:59 IST



Navigate



Operate

Process Group ABC - COPY!!
Process Group

2d293443-f902-12c8-f5ce-2481321ec770



Change Version

Registry

Local Registry

Bucket

Bucket 1

Flow Name

ABC

Current Version

2

Version	Created	Comments
3	10/06/2022 02:18:59.083	Added a Funnel
2	10/06/2022 02:10:42.685	Added GenerateFlowFile
1	10/06/2022 01:50:55.040	Initial Save

CANCEL

CHANGE



0

0 / 0 bytes

0

0

4

2

2

0

1

0

1

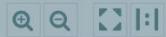
0

0

02:27:30 IST



Navigate



Operate

Process Group ABC - COPY!!
Process Group

2d293443-f902-12c8-f5ce-2481321ec770



Process Group ABC

Queued 0 (0 bytes)

In 0 (0 bytes) → 0 5 min

Read/Write 0 bytes / 0 bytes 5 min

Out 0 → 0 (0 bytes) 5 min

Change Flow Version

This Process Group version has changed.

100%

CLOSE



0 0 / 0 bytes

0

0

4

3

1

0

0

2

0

0

0

0

0

02:27:58 IST



Navigate



Operate



NiFi Flow

Process Group

df0140a1-0181-1000-9eae-a1116a1a928d



✓ Process Group ABC

0 0 0 1 0 0

Queued	In	Out	Read/Write	5 min
0 (0 bytes)	0 (0 bytes) → 0	0 → 0 (0 bytes)	0 bytes / 0 bytes	5 min

✓ * 0 0 0 0 ? 0

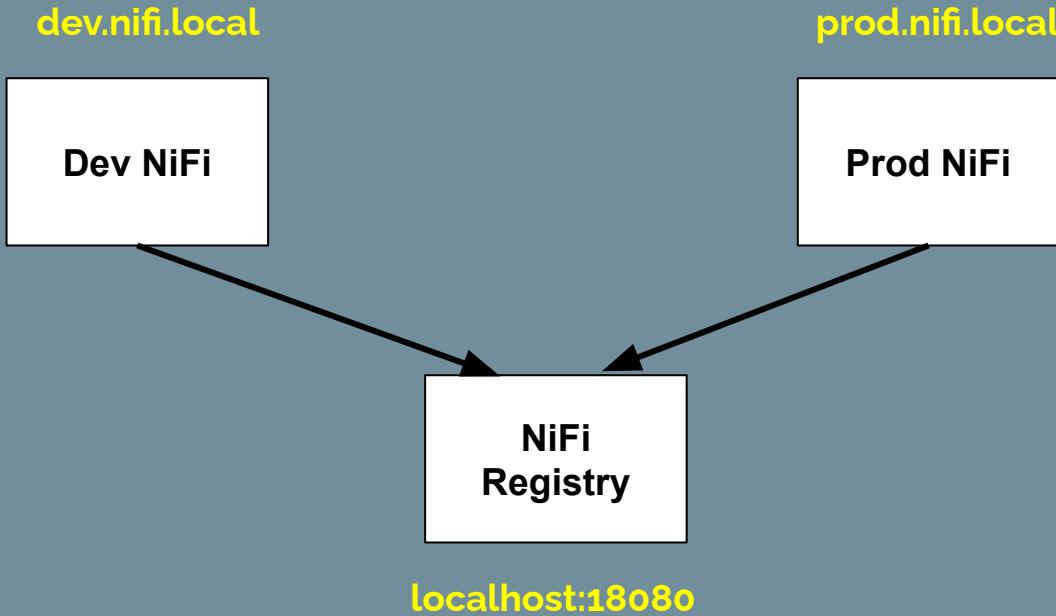
✓ Process Group ABC - COPY!!

0 0 0 1 0 0

Queued	In	Out	Read/Write	5 min
0 (0 bytes)	0 (0 bytes) → 0	0 → 0 (0 bytes)	0 bytes / 0 bytes	5 min

✓ * 0 0 0 0 ? 0

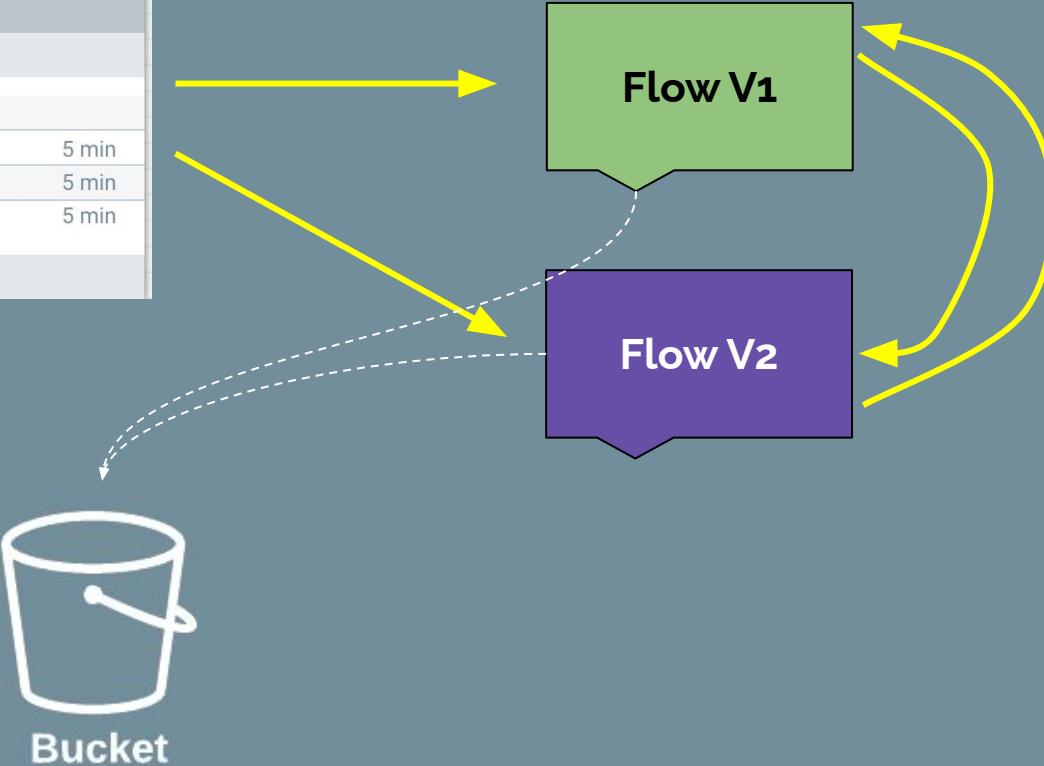
– NiFi Integration with NiFi Registry



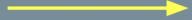
Managing Flows in NiFi Registry

Managing flows

Process Group		
⌚ 0	⌚ 0	▶ 0
Queued	0 (0 bytes)	
In	0 (0 bytes) → 0	5 min
Read/Write	0 bytes / 0 bytes	5 min
Out	0 → 0 (0 bytes)	5 min
✓ 0	* 0	↑ 0
?	!	?



Process Group		
⟳ 0	🕒 0	▶ 0
Queued	0 (0 bytes)	
In	0 (0 bytes) → 0	5 min
Read/Write	0 bytes / 0 bytes	5 min
Out	0 → 0 (0 bytes)	5 min
✓ 0	* 0	🕒 0



Flow V1

NiFi Registry / All ▾

anonymous ? 🔒

Sort by: Name (a - z) ▾

IMPORT NEW FLOW

Flow 1 - Bucket 1 Flow	VERSIONS 1	▼
Flow 2 - Bucket 2 Flow	VERSIONS 2	▼
Flow 3 - Bucket 3 Flow	VERSIONS 3	▼

An orange curved arrow originates from the word "Flow" in the "Flow 1 - Bucket 1" row of the NiFi Registry table and points directly at the "Flow V1" node in the top diagram.

Managing Flows

The screenshot shows the NiFi Registry interface with a dark header bar. The header includes the logo, the text "NiFi Registry / All ▾", the status "anonymous", a help icon, and a settings icon. Below the header, there is a search bar and a "IMPORT NEW FLOW" button. The main content area displays three flow entries, each enclosed in a red box. Each entry consists of a name, type, version count, and a dropdown arrow.

Flow Name	Type	VERSIONS	Action
Flow 1 - Bucket 1	Flow	1	▼
Flow 2 - Bucket 2	Flow	2	▼
Flow 3 - Bucket 3	Flow	3	▼

Managing Flows

The screenshot shows the NiFi Registry interface with a dark theme. At the top left is the logo and the text "NiFi Registry / All". To the right are the user status "anonymous" and a wrench icon. Below the header, there's a search bar and a red "IMPORT NEW FLOW" button. On the left, there's a "Sort by:" dropdown set to "Name (a-z)". A dropdown menu is open over the "Sort by:" field, listing "All buckets", "Bucket 1" (which is highlighted with a cursor icon), "Bucket 2", and "Bucket 3". The main content area displays three flow entries:

- Flow 1 - Bucket 1**: Flow, VERSIONS 1
- Flow 2 - Bucket 2**: Flow, VERSIONS 2
- Flow 3 - Bucket 3**: Flow, VERSIONS 3

Each entry has a small downward arrow icon to its right.

Managing Flows

NiFi Registry / All ▾

anonymous ? 🔑

Sort by: Name (a - z) ▾ IMPORT NEW FLOW

Flow 1 - Bucket 1 Flow	VERSIONS 1	▼
Flow 2 - Bucket 2 Flow	VERSIONS 2	▲
BUCKET IDENTIFIER 871c70c7-2125-4463-95e4-be8c.	CHANGE LOG 🔍 <div style="border: 1px solid red; padding: 5px;">Version 2 - 23 minutes ago by anonymous Add processors Oct-19-2021 at 4:14 PM Version 1 - an hour ago by anonymous</div>	ACTIONS ▾
FLOW IDENTIFIER 762e98f4-30c4-4eca-932b-bb6e7..		
DESCRIPTION Description 2		
Flow 3 - Bucket 3 Flow	VERSIONS 3	▼

Managing Flows

NiFi Registry / All ▾

anonymous ? 🔒

Sort by: Name (a - z) ▾

- Name (z - a) ▼
- Oldest (update)
- Type (z - a)

IMPORT NEW FLOW

Flow	VERSIONS	▼
Flow 2 - Bucket 2	VERSIONS 2	▼
Flow 3 - Bucket 3	VERSIONS 3	▼

Managing Flows

The screenshot shows the NiFi Registry interface with a dark header bar. On the left is the NiFi logo, followed by the text "NiFi Registry / All" with a dropdown arrow. To the right are the user status "anonymous" with a question mark icon, and a wrench icon for settings. Below the header, there's a search bar containing "Flow 2" with a clear button and a dropdown arrow, and a "IMPORT NEW FLOW" button. On the left, a sorting dropdown says "Sort by: Name (a - z)". The main content area displays a single flow entry: "Flow 2 - Bucket 2 Flow" with "VERSIONS 2" and a dropdown arrow. The entire content area is highlighted with a red rectangle.

NiFi Registry / All

anonymous ?

Wrench icon

Sort by: Name (a - z)

Flow 2

IMPORT NEW FLOW

Flow 2 - Bucket 2 Flow

VERSIONS 2