



Módulo Profesional: Big Data Aplicado

Ingestión de datos con NiFi

APACHE NiFi SUMMARY - PROCESADORES



NiFi Summary

PROCESSORS	INPUT PORTS	OUTPUT PORTS	REMOTE PROCESS GROUPS	CONNECTIONS	PROCESS GROUPS
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Displaying 45 of 45

Filter		by name	All Statuses	Primary Node						
Name	Type	Process Group	Run Status	In (Size) 5 min	Read Write 5 min	Out (Size) 5 min	Tasks Time 5 min			
ConvertJSONToSQL	ConvertJSONToSQL	JSONtoSQL	JSONtoSQL	■ Stopped	0 (0 bytes)	0 bytes 0 bytes	0 (0 bytes)	0 00:00:00.000	→ ↴	▲
ConvertRecord	ConvertRecord	Ejercicio 5 JSONAvro	Ejercicio 5 JSONAvro	⚠ Invalid	0 (0 bytes)	0 bytes 0 bytes	0 (0 bytes)	0 00:00:00.000	→ ↴	▲
ExecuteSQL	ExecuteSQL	JSONtoSQL	JSONtoSQL	■ Stopped	0 (0 bytes)	0 bytes 0 bytes	0 (0 bytes)	0 00:00:00.000	→ ↴	▲
ExtractText	ExtractText	Ejercicio 4. Generando con...	Ejercicio 4. Generando con...	■ Stopped	0 (0 bytes)	0 bytes 0 bytes	0 (0 bytes)	0 00:00:00.000	→ ↴	▲
GenerateFlowFile	GenerateFlowFile	JSONtoSQL	JSONtoSQL	■ Stopped	0 (0 bytes)	0 bytes 0 bytes	0 (0 bytes)	0 00:00:00.000	→ ↴	▲
GenerateFlowFile	GenerateFlowFile	Grupo 1	Grupo 1	■ Stopped	0 (0 bytes)	0 bytes 0 bytes	0 (0 bytes)	0 00:00:00.000	→ ↴	▲
GenerateFlowFile	GenerateFlowFile	Ejercicio 4. Generando con...	Ejercicio 4. Generando con...	■ Stopped	0 (0 bytes)	0 bytes 0 bytes	0 (0 bytes)	0 00:00:00.000	→ ↴	▲
GenerateFlowFile	GenerateFlowFile	Ejercicio 5 JSONAvro	Ejercicio 5 JSONAvro	■ Stopped	0 (0 bytes)	0 bytes 0 bytes	0 (0 bytes)	0 00:00:00.000	→ ↴	▲
GenerateFlowFile	GenerateFlowFile	Funnel	Funnel	■ Stopped	0 (0 bytes)	0 bytes 0 bytes	0 (0 bytes)	0 00:00:00.000	→ ↴	▲
GenerateFlowFile	GenerateFlowFile	Funnel	Funnel	■ Stopped	0 (0 bytes)	0 bytes 0 bytes	0 (0 bytes)	0 00:00:00.000	→ ↴	▲
GetFile	GetFile	Ejercicio 6. Input Port y Ou...	Ejercicio 6. Input Port y Ou...	■ Stopped	0 (0 bytes)	0 bytes 0 bytes	0 (0 bytes)	0 00:00:00.000	→ ↴	▲
GetFile	GetFile	Ejercicio 6. Input Port y Ou...	Ejercicio 6. Input Port y Ou...	■ Stopped	0 (0 bytes)	0 bytes 0 bytes	0 (0 bytes)	0 00:00:00.000	→ ↴	▲
GetFile csv	GetFile	Ejercicio 3_1	Ejercicio 3_1	■ Stopped	0 (0 bytes)	0 bytes 0 bytes	0 (0 bytes)	0 00:00:00.000	→ ↴	▲
GetHTMLElement	GetHTMLElement	Practica 2. Mimic	Practica 2. Mimic	■ Stopped	0 (0 bytes)	0 bytes 0 bytes	0 (0 bytes)	0 00:00:00.000	→ ↴	▲
Grabar CSV Calles Valenci...	PutFile	Ejercicio 3_1	Ejercicio 3_1	■ Stopped	0 (0 bytes)	0 bytes 0 bytes	0 (0 bytes)	0 00:00:00.000	→ ↴	▲



APACHE NiFi SUMMARY – INPUT PORTS

NiFi Summary

Displaying 2 of 2

Filter by name All Statuses

Name	Run Status	Out (Size) 5 min
Entrada	Stopped	0 (0 bytes)
Entrada	Stopped	0 (0 bytes)

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APACHE NiFi SUMMARY – OUTPUT PORTS

NiFi Summary



PROCESSORS	INPUT PORTS	OUTPUT PORTS	REMOTE PROCESS GROUPS	CONNECTIONS	PROCESS GROUPS
Displaying 2 of 2					
<div><div>Filter</div><div>by name</div><div>All Statuses</div></div>					
Name ▲	Run Status	In (Size) 5 min			
Salida	Stopped	0 (0 bytes)	→		
Salida	Stopped	0 (0 bytes)	→		

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APACHE NiFi SUMMARY – REMOTE PROCESS GROUPS

NiFi Summary



Processors	Input Ports	Output Ports	Remote Process Groups	Connections	Process Groups
Displaying 0 of 0					
Filter by name					
Name	Target URI	Transmitting	Sent (Size) 5 min	Received (Size) 5 min	

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APACHE NiFi SUMMARY – CONNECTIONS

NiFi Summary



Displaying 38 of 38

Filter	by source	▼					
Name	Queue (Size)	Threshold %: Queue Size	In (Size) 5 min	From Source ▲	Out (Size) 5 min	To Destination	→ ↗
failure	0 (0 bytes)	0% 0%	0 (0 bytes)	ConvertJSONToSQL	0 (0 bytes)	LogAttribute	→ ↗
sql	0 (0 bytes)	0% 0%	0 (0 bytes)	ConvertJSONToSQL	0 (0 bytes)	ExecuteSQL	→ ↗
success	0 (0 bytes)	0% 0%	0 (0 bytes)	ConvertRecord	0 (0 bytes)	UpdateAttribute	→ ↗
Empty string set	0 (0 bytes)	0% 0%	0 (0 bytes)	Entrada	0 (0 bytes)	SplitText	→ ↗
Empty string set	0 (0 bytes)	0% 0%	0 (0 bytes)	Entrada	0 (0 bytes)	PutFile	→ ↗
success	0 (0 bytes)	0% 0%	0 (0 bytes)	ExecuteSQL	0 (0 bytes)	LogAttribute	→ ↗
matched	0 (0 bytes)	0% 0%	0 (0 bytes)	ExtractText	0 (0 bytes)	LogAttribute	→ ↗
Empty string set	0 (0 bytes)	0% 0%	0 (0 bytes)	Funnel	0 (0 bytes)	LogAttribute	→ ↗
success	0 (0 bytes)	0% 0%	0 (0 bytes)	GenerateFlowFile	0 (0 bytes)	ConvertJSONToSQL	→ ↗
success	0 (0 bytes)	0% 0%	0 (0 bytes)	GenerateFlowFile	0 (0 bytes)	PutDatabaseRecord	→ ↗
success	0 (0 bytes)	0% 0%	0 (0 bytes)	GenerateFlowFile	0 (0 bytes)	Salida	→ ↗
success	0 (0 bytes)	0% 0%	0 (0 bytes)	GenerateFlowFile	0 (0 bytes)	ReplaceText	→ ↗
success	459 (24.65 KB)	5% 0%	0 (0 bytes)	GenerateFlowFile	0 (0 bytes)	ConvertRecord	→ ↗
success	0 (0 bytes)	0% 0%	0 (0 bytes)	GenerateFlowFile	0 (0 bytes)	Funnel	→ ↗
success	0 (0 bytes)	0% 0%	0 (0 bytes)	GenerateFlowFile	0 (0 bytes)	Funnel	→ ↗
success	0 (0 bytes)	0% 0%	0 (0 bytes)	GenerateFlowFile	0 (0 bytes)	Funnel	→ ↗

APACHE NiFi SUMMARY – PROCESS GROUPS



NiFi Summary

PROCESSORS	INPUT PORTS	OUTPUT PORTS	REMOTE PROCESS GROUPS	CONNECTIONS	PROCESS GROUPS					
Displaying 18 of 18										
Filter	by name	▼								
Name ▲	Version	State	Transferred (Size) 5 min	In (Size) 5 min	Read Write 5 min	Out (Size) 5 min	Sent (Size) 5 min	Received (Size) 5 min	Active Threads (%) 5 min	Total Task Duration (min)
Ejemplo 5 Input Port...			0 (0 bytes)	0 (0 bytes)	0 bytes 0 bytes	0 (0 bytes)	0 (0 bytes)	0 (0 bytes)	0 (0%)	00:00:00.000 (0%)
Ejercicio 1			0 (0 bytes)	0 (0 bytes)	0 bytes 0 bytes	0 (0 bytes)	0 (0 bytes)	0 (0 bytes)	0 (0%)	00:00:00.000 (0%)
Ejercicio 2			0 (0 bytes)	0 (0 bytes)	0 bytes 0 bytes	0 (0 bytes)	0 (0 bytes)	0 (0 bytes)	0 (0%)	00:00:00.000 (0%)
Ejercicio 3			0 (0 bytes)	0 (0 bytes)	0 bytes 0 bytes	0 (0 bytes)	0 (0 bytes)	0 (0 bytes)	0 (0%)	00:00:00.000 (0%)
Ejercicio 3_1			0 (0 bytes)	0 (0 bytes)	0 bytes 0 bytes	0 (0 bytes)	0 (0 bytes)	0 (0 bytes)	0 (0%)	00:00:00.000 (0%)
Ejercicio 4. Generan...			0 (0 bytes)	0 (0 bytes)	0 bytes 0 bytes	0 (0 bytes)	0 (0 bytes)	0 (0 bytes)	0 (0%)	00:00:00.000 (0%)
Ejercicio 5 JSONNaAvro			0 (0 bytes)	0 (0 bytes)	0 bytes 0 bytes	0 (0 bytes)	0 (0 bytes)	0 (0 bytes)	0 (0%)	00:00:00.000 (0%)
Ejercicio 6. Input Por...			0 (0 bytes)	0 (0 bytes)	0 bytes 0 bytes	0 (0 bytes)	0 (0 bytes)	0 (0 bytes)	0 (0%)	00:00:00.000 (0%)
Ejercicio 6. Input Por...			0 (0 bytes)	0 (0 bytes)	0 bytes 0 bytes	0 (0 bytes)	0 (0 bytes)	0 (0 bytes)	0 (0%)	00:00:00.000 (0%)
Funnel			0 (0 bytes)	0 (0 bytes)	0 bytes 0 bytes	0 (0 bytes)	0 (0 bytes)	0 (0 bytes)	0 (0%)	00:00:00.000 (0%)
Grupo 1			0 (0 bytes)	0 (0 bytes)	0 bytes 0 bytes	0 (0 bytes)	0 (0 bytes)	0 (0 bytes)	0 (0%)	00:00:00.000 (0%)
Grupo 2			0 (0 bytes)	0 (0 bytes)	0 bytes 0 bytes	0 (0 bytes)	0 (0 bytes)	0 (0 bytes)	0 (0%)	00:00:00.000 (0%)
JSONtoSQL			0 (0 bytes)	0 (0 bytes)	0 bytes 0 bytes	0 (0 bytes)	0 (0 bytes)	0 (0 bytes)	0 (0%)	00:00:00.000 (0%)
NiFi Flow			0 (0 bytes)	0 (0 bytes)	0 bytes 0 bytes	0 (0 bytes)	0 (0 bytes)	0 (0 bytes)	0 (0%)	00:00:00.000 (0%)
Practica 1. Posicion ...			0 (0 bytes)	0 (0 bytes)	0 bytes 0 bytes	0 (0 bytes)	0 (0 bytes)	0 (0 bytes)	0 (0%)	00:00:00.000 (0%)
Practica 2. Mimic			0 (0 bytes)	0 (0 bytes)	0 bytes 0 bytes	0 (0 bytes)	0 (0 bytes)	0 (0 bytes)	0 (0%)	00:00:00.000 (0%)



APACHE NiFi SUMMARY – SYSTEM DIAGNOSTICS

System Diagnostics

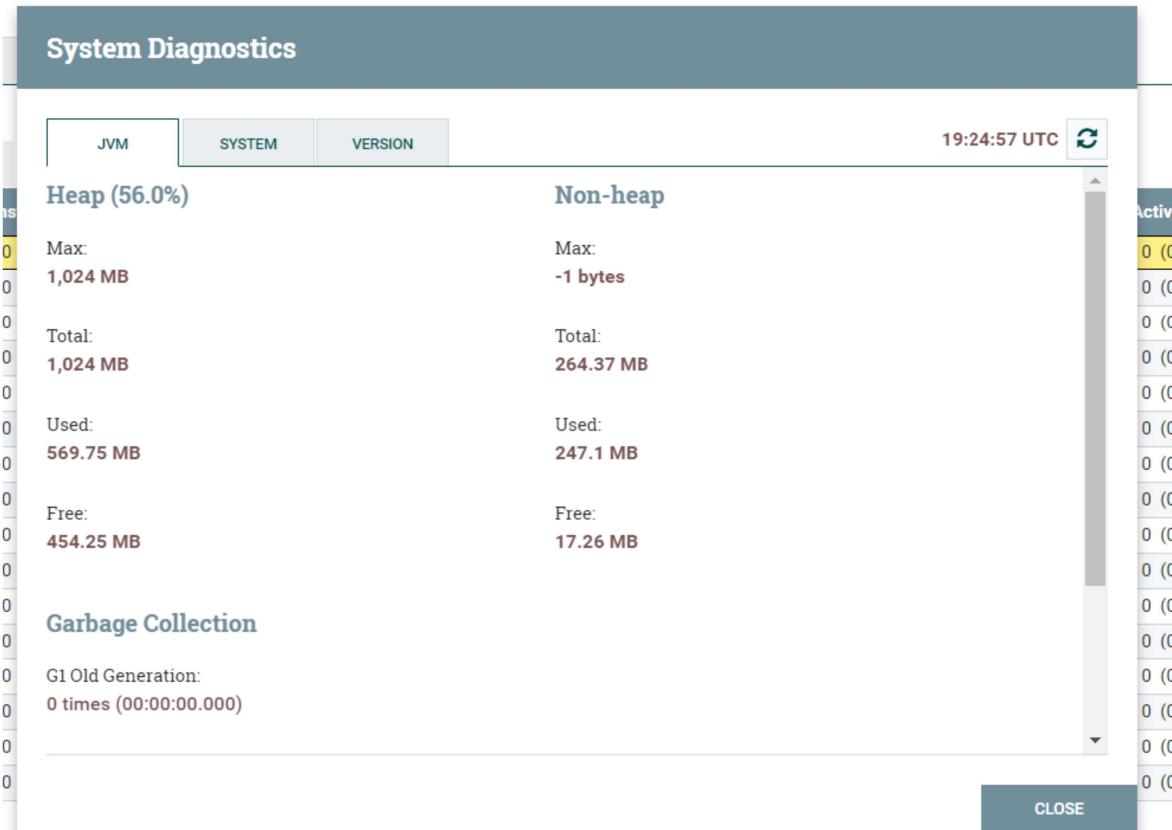
JVM SYSTEM VERSION 19:24:57 UTC 

Heap (56.0%)		Non-heap	
Max:	1,024 MB	Max:	-1 bytes
Total:	1,024 MB	Total:	264.37 MB
Used:	569.75 MB	Used:	247.1 MB
Free:	454.25 MB	Free:	17.26 MB

Garbage Collection

G1 Old Generation:
0 times (00:00:00.000)

CLOSE



APACHE NiFi REGISTRY - DEMO

<http://localhost:18080/nifi-registry>

The screenshot shows the Apache NiFi Registry web interface. At the top, there is a navigation bar with a logo, the text "NiFi Registry / All", and user authentication status "anonymous". Below the navigation bar is a search bar with a placeholder "Search" and a dropdown menu for "Sort by: Name (a - z)". A message "No results match this query." is displayed below the search bar. The main content area is currently empty.

NiFi Registry es una herramienta que permite gestionar y versionar flujos de datos de Apache NiFi. Facilita el almacenamiento, control de versiones y la colaboración, al permitir compartir y rastrear los cambios en los flujos entre distintas instancias de NiFi.

<https://nifi.apache.org/docs/nifi-registry-docs/index.html>

APACHE NiFi REGISTRY - DEMO

The screenshot shows the Apache NiFi Registry interface. At the top, there is a dark header bar with the text "NiFi Registry / All" and a dropdown arrow. To the right of the header are the words "anonymous" and a question mark icon, followed by a red-bordered wrench icon. Below the header is a search bar with a magnifying glass icon and a dropdown menu labeled "Sort by: Name (a - z)". A message "No results match this query." is displayed below the search bar. The main content area is light gray.

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APACHE NiFi REGISTRY - DEMO

The screenshot shows the Apache NiFi Registry / Administration interface. The top navigation bar includes the NiFi logo, the title "NiFi Registry / Administration", and user status "anonymous". Below the header, there are two tabs: "BUCKETS" (which is selected) and "USERS". The main content area is titled "Buckets (0)". It features a search bar with a dropdown menu and a "Bucket Name" input field. To the right of the search bar is a "NEW BUCKET" button, which is highlighted with a blue box and a cursor icon. Below the search bar, the message "No results to display." is centered. On the far right of the content area, there is an "ACTIONS" dropdown menu.

APACHE NiFi REGISTRY - DEMO

The screenshot shows the Apache NiFi Registry / Administration interface. At the top, there is a navigation bar with a logo, the text "NiFi Registry / Administration", and a user status "anonymous". Below the navigation bar, there are two tabs: "BUCKETS" and "USERS", with "BUCKETS" being the active tab. The main content area displays a list titled "Buckets (0)". A modal dialog box is open in the center, titled "New Bucket". Inside the dialog, there is a "Bucket Name" input field containing the value "Test". Below the input field are two checkboxes: "Make publicly visible" and "Keep this dialog open after creating bucket". At the bottom of the dialog are two buttons: "CANCEL" and "CREATE". In the background, there is a faint "NEW BUCKET" button and an "ACTIONS" dropdown menu.

APACHE NiFi REGISTRY - DEMO

The screenshot shows the Apache 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 "anonymous". Below the navigation bar, there are two tabs: "BUCKETS" (which is selected) and "USERS". The main content area is titled "Buckets (1)". It displays a table with one row, showing a single bucket named "Test". The table includes columns for "Bucket Name" and "Actions". The "Actions" column contains icons for edit, delete, and refresh. At the bottom right of the content area, there is a "NEW BUCKET" button and an "ACTIONS" dropdown menu.

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APACHE NiFi REGISTRY - DEMO

The screenshot shows the Apache NiFi Registry interface. At the top, there is a toolbar with various icons for managing flows and data. Below the toolbar, the main area has two sections: "Navigate" and "Operate". The "Operate" section is currently active, displaying a "NiFi Flow" process group with its ID: 22164a68-0160-1000-e68d-a75c6dccdec1. It includes a toolbar with icons for settings, search, play/pause, and delete operations. A red box highlights the "Controller Settings" option in the vertical navigation menu on the right side of the screen. The menu also lists other options such as Summary, Counters, Bulletin Board, Data Provenance, Flow Configuration History, Users, Policies, Templates, Help, and About.

APACHE NiFi REGISTRY - DEMO

Add Registry Client

Name
Local Registry

Type
NifiRegistryFlowRegistryClient ▾

Description

CANCEL ADD

APACHE NiFi REGISTRY - DEMO

FALTA
CONFIGURAR

NiFi Settings

GENERAL MANAGEMENT CONTROLLER SERVICES REPORTING TASKS REGISTRY CLIENTS PARAMETER PROVIDERS

Name	Description
⚠ Local Registry	

Last updated: 15:21:24 EDT

NiFi Flow

APACHE NiFi REGISTRY - DEMO

CONFIGURAMOS
LA URL EN
PROPIEDADES

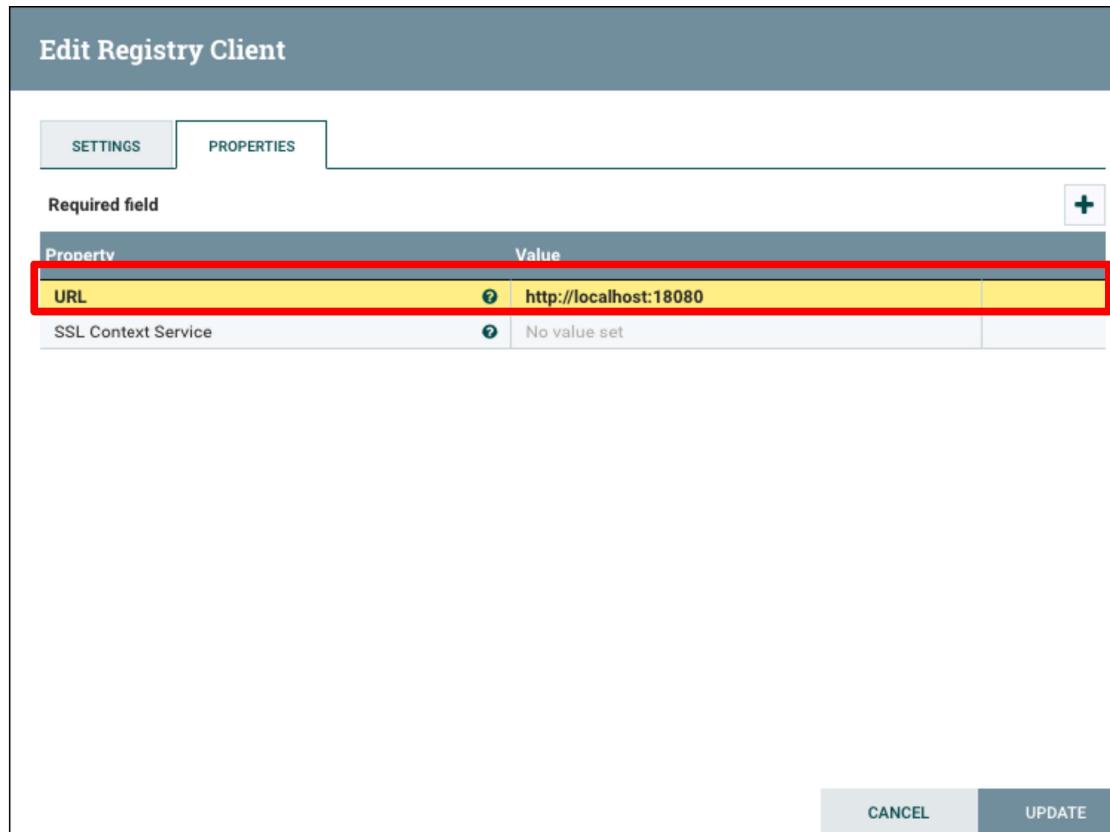
Edit Registry Client

SETTINGS PROPERTIES

Required field

Property	Value
URL	http://localhost:18080
SSL Context Service	No value set

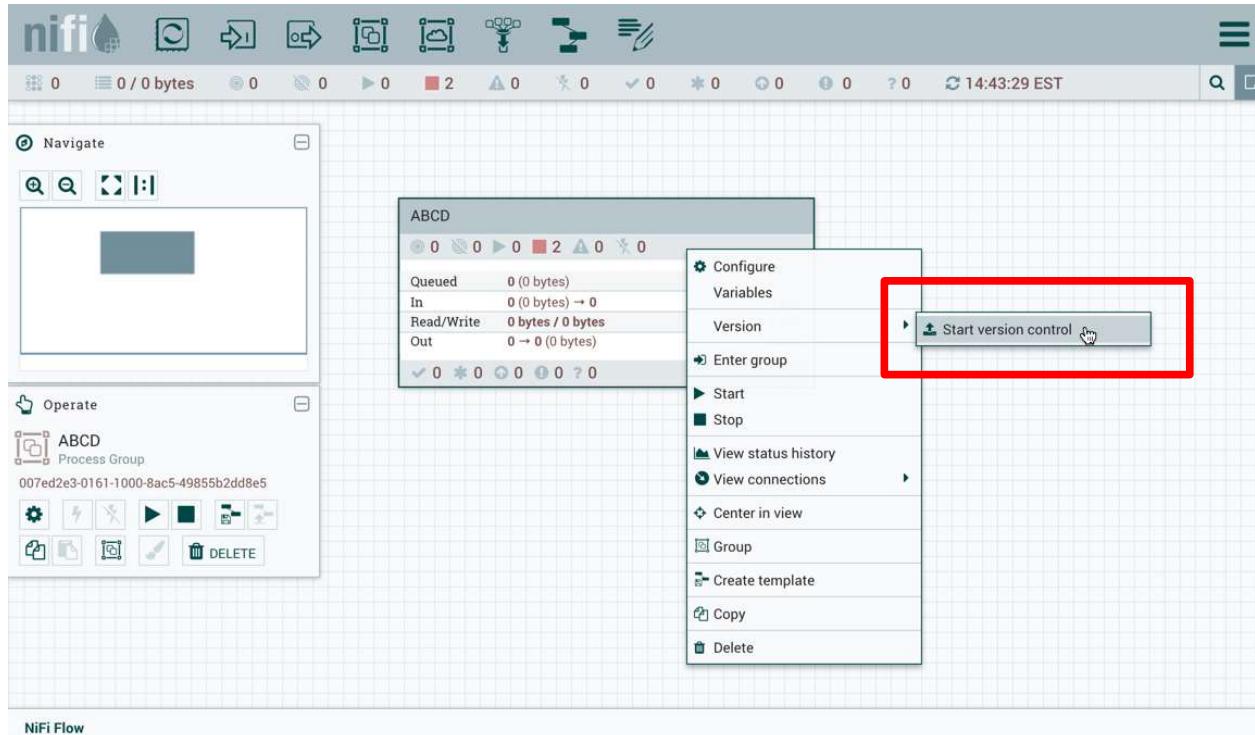
CANCEL UPDATE



APACHE NiFi REGISTRY - DEMO

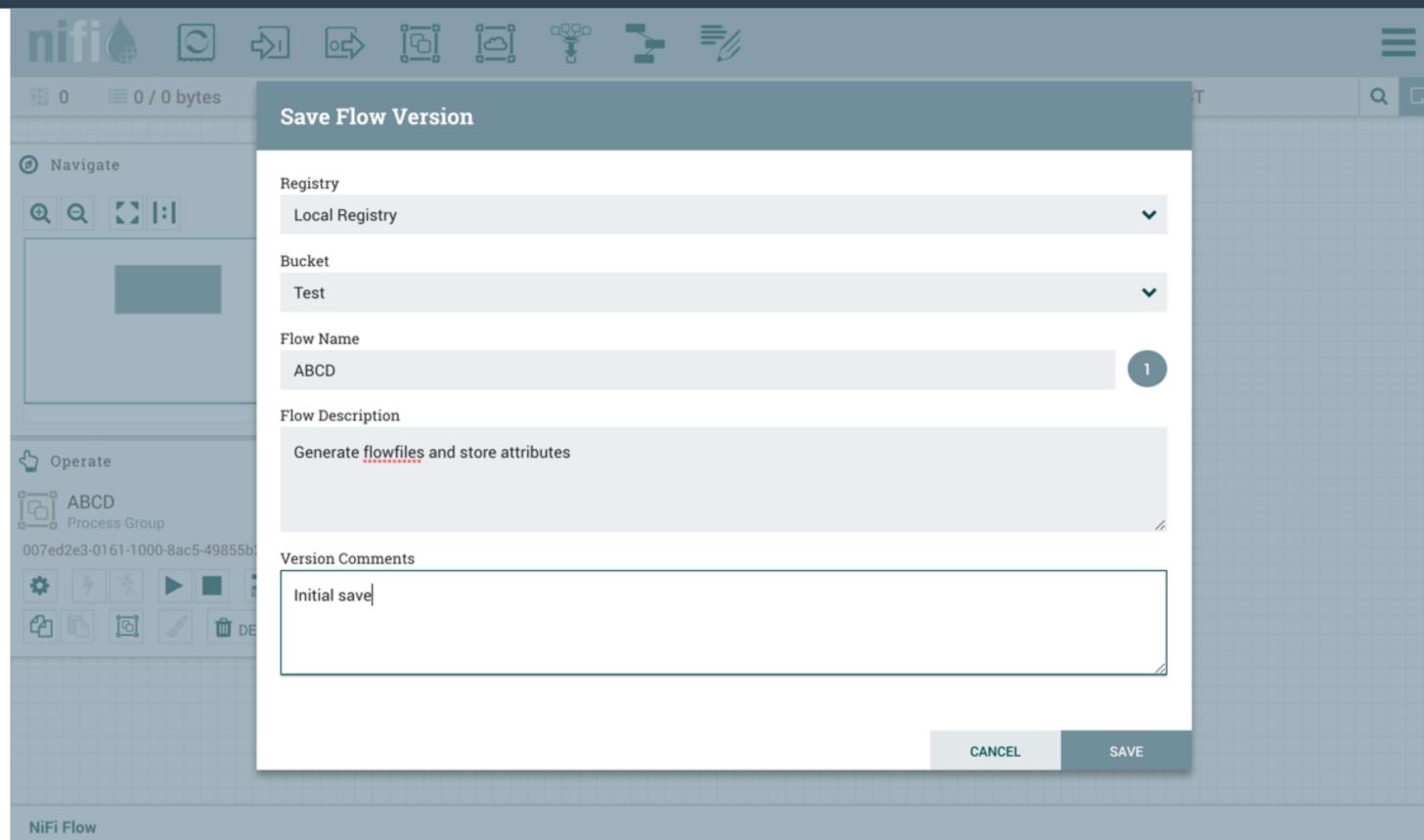
The screenshot shows the Apache NiFi Registry interface. At the top, there is a navigation bar with icons for Home, Overview, Settings, and Help. Below the navigation bar, the title "NiFi Settings" is displayed. A horizontal tab bar contains five tabs: GENERAL, MANAGEMENT CONTROLLER SERVICES, REPORTING TASKS, REGISTRY CLIENTS (which is currently selected), and PARAMETER PROVIDERS. The main content area is titled "Registry Clients". It features a table with two columns: "Name" and "Description". There is one entry in the table: "Local Registry". On the right side of the table, there are edit and delete icons. At the bottom left of the main content area, there is a message: "Last updated: 18:31:46 EDT". The bottom of the window has a footer bar with the text "NiFi Flow".

APACHE NiFi REGISTRY - DEMO



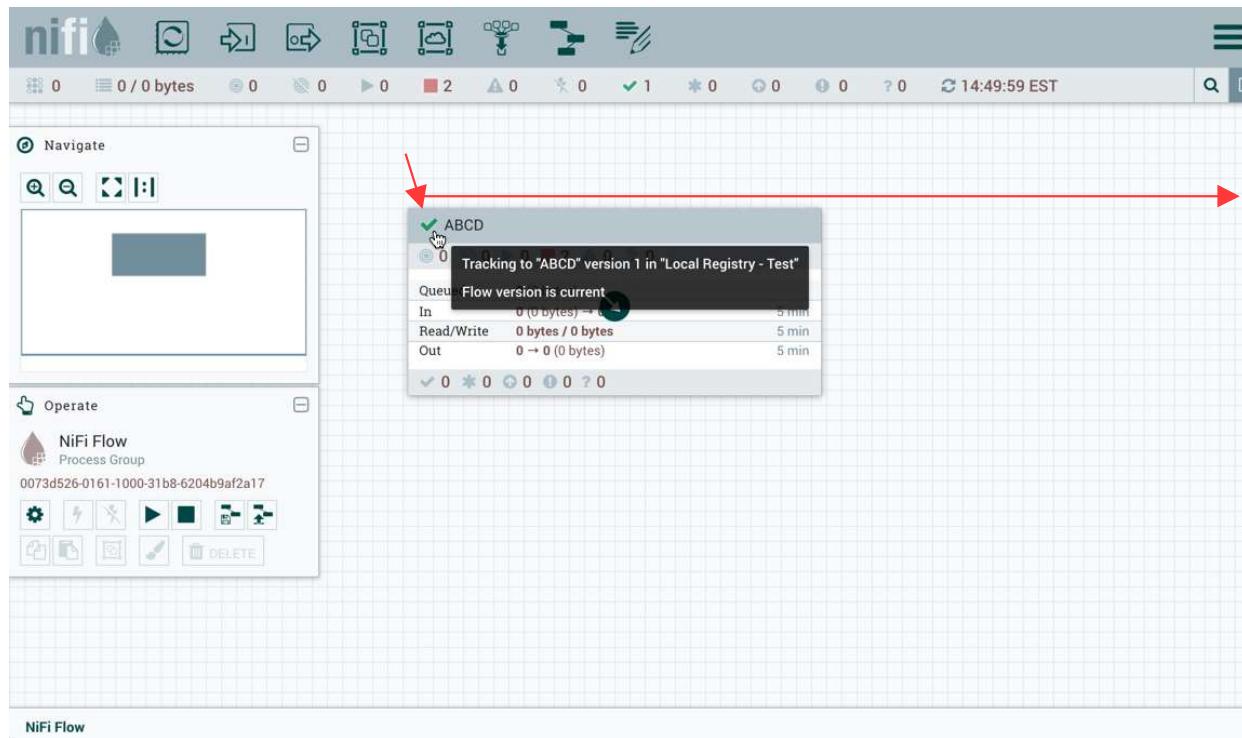
Iniciamos versión de control

APACHE NiFi REGISTRY - DEMO



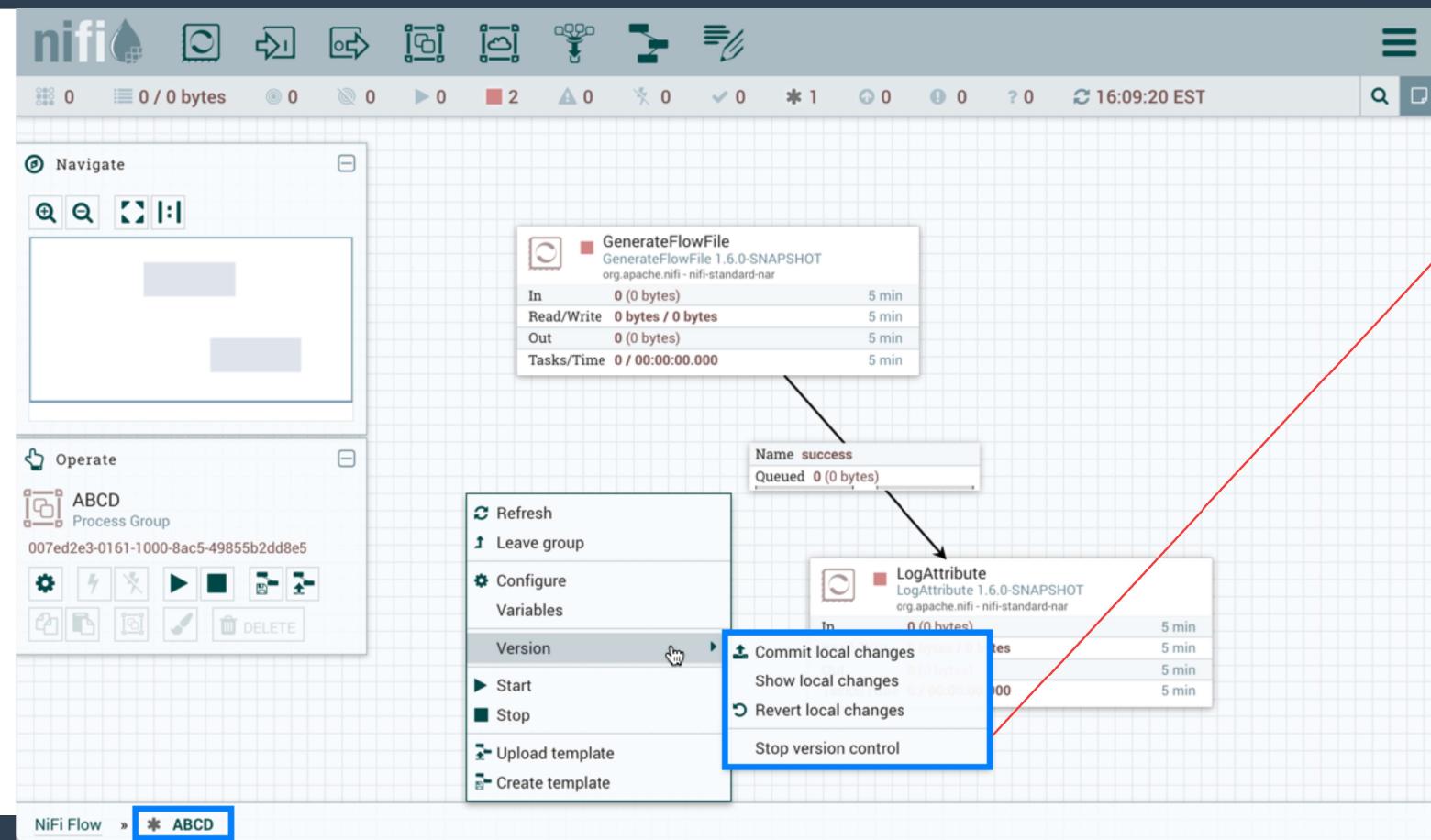
Cumplimentamos la información

APACHE NiFi REGISTRY - DEMO



El procesador
está
sincronizado.

APACHE NiFi REGISTRY - DEMO



Y aparecen las diferentes acciones del versionado

