Security 3

NiFi Authorization

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NiFi Authorization

After you have configured NiFi to run securely and with an authentication mechanism, you must configure who has access to the system, and the level of their access. You can do this using multi-tenant authorization.

Multi-tenant authorization enables multiple groups of users (tenants) to command, control, and observe different parts of the dataflow, with varying levels of authorization. When an authenticated user attempts to view or modify a NiFi resource, the system checks whether the user has privileges to perform that action. These privileges are defined by policies that you can apply system-wide or to individual components.

Authorizer Configuration

An authorizer grants users the privileges to manage users and policies by creating preliminary authorizations at startup.

Authorizers are configured using two properties in the nifi.properties file:

- The nifi.authorizer.configuration.file property specifies the configuration file where authorizers are defined. By default, the authorizers.xml file located in the root installation conf directory is selected.
- The nifi.security.user.authorizer property indicates which of the configured authorizers in the authorizers.xml file to use.

Authorizers.xml Setup

The authorizers.xml file is used to define and configure available authorizers. The default authorizer is the FileAuthorizer, however, you can develop additional authorizers as extensions. The FileAuthorizer has the following properties:

- Authorizations File The file where the FileAuthorizer stores policies. By default, the authorizations.xml in the conf directory is chosen.
- Users File The file where the FileAuthorizer stores users and groups. By default, the users.xml in the conf directory is chosen.
- Initial Admin Identity The identity of an initial admin user that is granted access to the UI and given the ability to create additional users, groups, and policies. This property is only used when there are no other users, groups, and policies defined.
- Legacy Authorized Users File The full path to an existing authorized-users.xml that is automatically converted to the multi-tenant authorization model. This property is only used when there are no other users, groups, and policies defined.
- Node Identity The identity of a NiFi cluster node. When clustered, a property for each node should be defined, so that every node knows about every other node. If not clustered, these properties can be ignored.

Initial Admin Identity (New NiFi Instance)

If you are setting up a secured NiFi instance for the first time, you must manually designate an "Initial Admin Identity" in the authorizers.xml file.

This initial admin user is granted access to the UI and given the ability to create additional users, groups, and policies. The value of this property could be a DN (when using certificates or LDAP) or a Kerberos principal. If you are the NiFi administrator, add yourself as the "Initial Admin Identity".

Here is an example LDAP entry using the name John Smith:

```
<authorizer>
    <identifier>file-provider</identifier>
        <class>org.apache.nifi.authorization.FileAuthorizer</class>
```

```
<property name="Authorizations File">./conf/authorizations.xml</property>
        <property name="Users File">./conf/users.xml</property>
        <property name="Initial Admin Identity">cn=John
        Smith,ou=people,dc=example,dc=com</property>
        <property name="Legacy Authorized Users File"></property>
        <property name="Node Identity 1"></property>
        <property name="Node Identity 2"></property>
        <property name="Node Identity 2"></property>
        <property name="Node Identity 2"></property>
        <property name="Node Identity 2"></property>
        </property>
        <property>

            </property>
            </p
```

Here is an example Kerberos entry using the name John Smith and realm NIFI.APACHE.ORG:

After you have edited and saved the authorizers.xml file, restart NiFi. The "Initial Admin Identity" user and administrative policies are added to the users.xml and authorizations.xml files during restart. Once NiFi starts, the "Initial Admin Identity" user is able to access the UI and begin managing users, groups, and policies.

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Note:

For a brand new secure flow, providing the "Initial Admin Identity" gives that user access to get into the UI and to manage users, groups and policies. But if that user wants to start modifying the flow, they need to grant themselves policies for the root process group. The system is unable to do this automatically because in a new flow the UUID of the root process group is not permanent until the flow.xml.gz is generated. If the NiFi instance is an upgrade from an existing flow.xml.gz or a 1.x instance going from unsecure to secure, then the "Initial Admin Identity" user is automatically given the privileges to modify the flow.

Legacy Authorized Users (NiFi Instance Upgrade)

If you are upgrading from a 0.x NiFi instance, you can convert your previously configured users and roles to the multi-tenant authorization model. In the authorizers.xml file, specify the location of your existing authorized-users.xml file in the "Legacy Authorized Users File" property.

Here is an example entry:

```
<authorizers>
    <authorizers>
        <identifier>file-provider</identifier>
        <class>org.apache.nifi.authorization.FileAuthorizer</class>
        <property name="Authorizations File">./conf/authorizer</class>
        <property name="Authorizations File">./conf/authorizer</class>
        <property name="Users File">./conf/authorizations.xml</property>
        <property name="Users File">./conf/users.xml</property>
        <property name="Initial Admin Identity"></property></property>
```

```
<property name="Legacy Authorized Users File">/Users/johnsmith/
config_files/authorized-users.xml</property>
</authorizer>
</authorizers>
```

After you have edited and saved the authorizers.xml file, restart NiFi. Users and roles from the authorized-users.xml file are converted and added as identities and policies in the users.xml and authorizations.xml files. Once the application starts, users who previously had a legacy Administrator role can access the UI and begin managing users, groups, and policies.

Here is a summary of policies assigned to each legacy role if the NiFi instance has an existing flow.xml.gz:

	Admin	DFM	Monitor	Provenance	NiFi	Proxy
view the UI	*	*	*			
view the controller	*	*	*		*	
modify the controller		*				
view system diagnostics		*	*			
view the dataflow	*	*	*			
modify the dataflow		*				
view the users/ groups	*					
modify the users/ groups	*					
view policies	*					
modify policies	*					
query provenance				*		
access restricted components		*				
view the data		*		*		*
modify the data		*				*
retrieve site-to-site details					*	
send proxy user requests						*

NiFi fails to restart if values exist for both the "Initial Admin Identity" and "Legacy Authorized Users File" properties. You can specify only one of these values to initialize authorizations.

Do not manually edit the authorizations.xml file. Create authorizations only during initial setup and afterwards using the NiFi UI.

Cluster Node Identities

If you are running NiFi in a clustered environment, you must specify the identities for each node. The authorization policies required for the nodes to communicate are created during startup.

For example, if you are setting up a 2 node cluster with the following DNs for each node:

```
cn=nifi-1,ou=people,dc=example,dc=com
cn=nifi-2,ou=people,dc=example,dc=com
<authorizer>
        <identifier>file-provider</identifier>
        <class>org.apache.nifi.authorization.FileAuthorizer</class>
        <property name="Authorizations File">./conf/authorizations.xml</
property>
        <property name="Users File">./conf/users.xml</property></property>
        <property name="Initial Admin Identity">johnsmith@NIFI.APACHE.ORG</
property>
        <property name="Legacy Authorized Users File"></property></property>
        <property name="Node Identity</pre>
 1">cn=nifi-1,ou=people,dc=example,dc=com</property>
        <property name="Node Identity</pre>
 2">cn=nifi-2,ou=people,dc=example,dc=com</property>
    </authorizer>
</authorizers>
```

In a cluster, all nodes must have the same authorizations.xml. If a node has a different authorizations.xml, it cannot join the cluster. The only exception is if a node has an empty authorizations.xml. In this scenario, the node inherits the authorizations.xml from the cluster.

Now that initial authorizations have been created, additional users, groups and authorizations can be created and managed in the NiFi UI.

Configuring Users & Access Policies

This section describes:

- How to create users and groups
- · How access policies are used to define authorizations
- How to configure access policies by walking through specific examples

Instructions requiring interaction with the UI assume the application is being accessed by User1, a user with administrator privileges, such as the "Initial Admin Identity" user or a converted legacy admin user.

Creating Users and Groups

From the UI, select "Users" from the Global Menu. This opens a dialog to create and manage users and groups.

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			🖾 🗙
NiFi Users			
Displaying 1 of 1			
Filter	by user	~	2.
User 🔺			
User1		Member of:	10 %

Click the Add icon



To create a user, enter the Identity information relevant to the authentication method chosen to secure your NiFi instance. Click OK.

User/Group	
 Individual Group 	
Identity	
User2	
Member of	
CANCEL	ок

To create a group, select the "Group" radio button, enter the name of the group and select the users to be included in the group. Click OK.

User	/Group					
\bigcirc Ind	lividual	 Group 				
Identit	Identity					
Grou	p_A					
Membe	ers					
	User1					
V (User2					
			CANCEL	ок		

Access Policies

You can manage the ability for users and groups to view or modify NiFi resources using access policies. There are two types of access policies that can be applied to a resource:

- View If a view policy is created for a resource, only the users or groups that are added to that policy are able to see the details of that resource.
- Modify If a resource has a modify policy, only the users or groups that are added to that policy can change the configuration of that resource.

You can create and apply access policies on both global and component levels.

Global Access Policies

Global access policies govern the following system level authorizations:

Policy	Privilege	Global Menu Selection
view the UI	Allow users to view the UI	N/A
access the controller	Allows users to view/modify the controller including Reporting Tasks, Controller Services, and Nodes in the Cluster	Controller Settings
query provenance	Allows users to submit a Provenance Search and request Event Lineage	Data Provenance
access restricted components	Allows users to create/modify restricted components assuming otherwise sufficient permissions	N/A
access all policies	Allows users to view/modify the policies for all components	Policies
access users/user groups	Allows users to view/modify the users and user groups	Users
retrieve site-to-site details	Allows other NiFi instances to retrieve Site- To-Site details	N/A
view system diagnostics	Allows users to view System Diagnostics	Summary
proxy user requests	Allows proxy machines to send requests on the behalf of others	N/A
access counters	Allows users to view/modify Counters	Counters

Component Level Access Policies

Component level access policies govern the following component level authorizations:

Policy	Privilege
view the component	Allows users to view component configuration details
modify the component	Allows users to modify component configuration details
view the data	Allows user to view metadata and content for this component through provenance data and flowfile queues in outbound connections
modify the data	Allows user to empty flowfile queues in outbound connections and submit replays
view the policies	Allows users to view the list of users who can view/modify a component
modify the policies	Allows users to modify the list of users who can view/modify a component
retrieve data via site-to-site	Allows a port to receive data from NiFi instances
send data via site-to-site	Allows a port to send data from NiFi instances

You can apply access policies to all component types except connections. Connection authorizations are inferred by the individual access policies on the source and destination components of the connection, as well as the access policy of the process group containing the components. This is discussed in more detail in the creating a connection and editing a connection examples below.

Access Policy Inheritance

An administrator does not need to manually create policies for every component in the dataflow. To reduce the amount of time admins spend on authorization management, policies are inherited from parent resource to child resource.

For example, if a user is given access to view and modify a process group, that user can also view and modify the components in the process group. Policy inheritance enables an administrator to assign policies at one time and have the policies apply throughout the entire dataflow.

You can override an inherited policy (as described in the Moving a Processor example below). Overriding a policy removes the inherited policy, breaking the chain of inheritance from parent to child, and creates a replacement policy to add users as desired. Inherited policies and their users can be restored by deleting the replacement policy.

"View the policies" and "modify the policies" component-level access policies are an exception to this inherited behavior. When a user is added to either policy, they are added to the current list of administrators. They do not override higher level administrators. For this reason, only component specific administrators are displayed for the "view the policies" and "modify the policies" access policies.

You cannot modify the users/groups on an inherited policy. Users and groups can only be added or removed from a parent policy or an override policy.

Access Policy Configuration Examples

The most effective way to understand how to create and apply access policies is to walk through some common examples. The following scenarios assume User1 is an administrator and User2 is a newly added user that has only been given access to the UI.

Let's begin with two processors on the canvas as our starting point: GenerateFlowFile and LogAttribute.

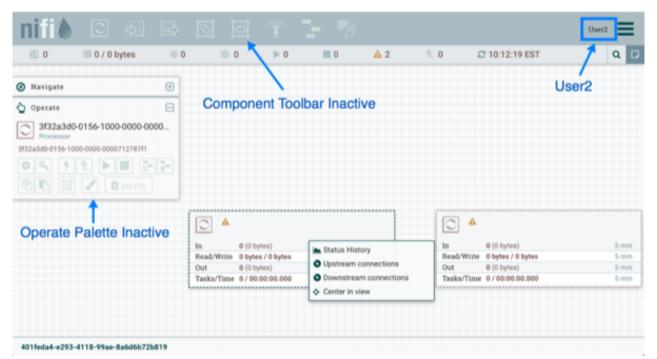
nifi 🖸 🕹	☞	ici ici	- <u></u>					User1
🔠 0 🔲 🗐 / 0 bytes	. 0) 🛞 0	▶ 0	0	<mark>A</mark> 2	淡 0	C 10:06:41 EST	Q 🗆
	ш.,							
Navigate	Ð							
Operate	Θ							
NIFI Flow Process Group 401feda4-e293-4118-99ae-8a6d6b72b819								
04 7 % > = =	ist i							
		Generate				0	LogAttribute	
		In 0 (0 byt	ies)		5 min	In	0 (0 bytes)	5 min
		Read/Write 0 bytes			5 min	Read/V		5 min
		Out 0 (0 by			5 min	Out	0 (0 bytes)	5 min
		Tasks/Time 0/00:0	0:00.000		5 min	Tasks/	Time 0/00:00:00.000	5 min
NiFi Flow								

User1 can add components to the dataflow and is able to move, edit and connect all processors. The details and properties of the root process group and processors are visible to User1.

		-		
🔢 0 🔲 0 / 0 bytes 💿	0 0 0 0	0 🔺 2	🏌 0 😂 10:08:12 EST	7 9
Navigate 🕀	```			User1
🕽 Operate 🖂	Component	Toolbar Active		
CenerateFlowFile Processor #32x3d0-0156-1000-0000-0000712787f1				
0 Q 7 X > = = = =				
2 1 E 2 C B DELETE				
	GenerateFlowFile	Configure Status History	LogAttribute	
Operate Palette Active		- overes menory	- 0.00 hours)	
Operate Palette Active	In 0 (0 bytes)	Upstream connections	In 0 (0 bytes)	5 min
Operate Palette Active	In 0 (0 bytes) Read/Write 0 bytes / 0 bytes	Upstream connections Downstream connections	Read/Write 0 bytes / 0 bytes	5 min
Operate Palette Active	Read/Write 0 bytes / 0 bytes Out 0 (0 bytes)	O Downstream connections	Read/Write 0 bytes / 0 bytes Out 0 (0 bytes)	5 min 5 min
Operate Palette Active	Read/Write 0 bytes / 0 bytes	Downstream connections	Read/Write 0 bytes / 0 bytes	5 min
Operate Palette Active	Read/Write 0 bytes / 0 bytes Out 0 (0 bytes)	Downstream connections Usage Change color	Read/Write 0 bytes / 0 bytes Out 0 (0 bytes)	5 min 5 min
Operate Palette Active	Read/Write 0 bytes / 0 bytes Out 0 (0 bytes)	Downstream connections	Read/Write 0 bytes / 0 bytes Out 0 (0 bytes)	5 min 5 min

User1 wants to maintain their current privileges to the dataflow and its components.

User2 is unable to add components to the dataflow or move, edit, or connect components. The details and properties of the root process group and processors are hidden from User2.



Moving a Processor

To allow User2 to move the GenerateFlowFile processor in the dataflow and only that processor, User1 performs the following steps:

1. Select the GenerateFlowFile processor so that it is highlighted.

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2. Select the Access Policies icon



from the Operate palette and the Access Policies dialog opens.

3. Select "modify the component" from the policy drop-down.

Showing effective policy inherited from Proc	ess Group NiFi Flow. Override this policy.		
GenerateFlowFile Processor	view the component	~	â+ 1
User 🔺	view the component	0	
User1	modify the component	0	
	view the data	•	
	modify the data	0	
	receive data via site-to-site	0	
	send data via site-to-site	0	
	view the policies	0	
	modify the policies	0	

The "modify the component" policy that currently exists on the processor (child) is the "modify the component" policy inherited from the root process group (parent) on which User1 has privileges.

4. Select the Override link in the policy inheritance message. When creating the replacement policy, you are given a choice to override with a copy of the inherited policy or an empty policy.

Access Policies Showing effective policy inherite GenerateFlowFile	I from Process Group NIFI Flow. Override this policy.	
GenerateFlowFile Processor	modify the component 🗸	
User1	Override Policy	
3	Do you want to override with a copy of the inherited policy or an empty policy?	
t.	Copy Empty	
	CANCEL OVERRIDE	
C Last updated: 10:21:38 EST		

Select the Override button to create a copy.

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1. On the replacement policy that is created, select the Add User icon

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Find or enter User2 in the User Identity field and select OK.

	Access Policies	9 a00a 🛤	=.			×	2
0 4 1		modify the component	~		4+	8	
R	User a						
12	User1 User2			0			
31							
¢							
							ł
							ų.
	C Last updated: 10:21:38 EST						
NIF	Flow			 	_	-	-

With these changes, User1 maintains the ability to move both processors on the canvas. User2 can now move the GenerateFlowFile processor but cannot move the LogAttribute processor.

Processor Read/Write 0 bytes 0 bytes	🟥 0 🛛 💷 0 / 0 bytes	• 0	0 😥) ► ()	0	A 2	× 0	2	10:43:24 EST	1	۹
3/3/2a3d0-0156-1000-0000-0000 Processor #2a3d0-0156-1000-0000712787H Image: State of the	Navigate	▣.									User2	
Original position of GenerateFlowFile	3f32a3d0-0156-1000-0000-0000. Processor 32a3d0-0156-1000-0000712787f1 0 0 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	-	ln Read/Write Out Tasks/Time	0 bytes / 0 bytes) 0 (0 bytes) 0 / 00:00:00.0	00		5 min 5 min 5 min					
Processor Read/Write 0 bytes 0	Original position of									0 (0 bytes)		5 mi
								0	ut	0 bytes / 0 bytes 0 (0 bytes)		5 mir 5 mir 5 mir

Editing a Processor

In the "Moving a Processor" example above, User2 was added to the "modify the component" policy for GenerateFlowFile. Without the ability to view the processor properties, User2 is unable to modify the processor's

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configuration. In order to edit a component, a user must be on both the "view the component" and "modify the component" policies.

To implement this, User1 performs the following steps:

- 1. Select the GenerateFlowFile processor.
- 2. Select the Access Policies icon



from the Operate palette and the Access Policies dialog opens.

3. Select "view the component" from the policy drop-down.

Access Policies Showing effective policy inherited from Process	Group NET Flow, Override this policy.	
GenerateFlowFile Processor	view the component 🗸	2+
User .	view the component	
User1	modify the component O	
	view the data	
	modify the data	
	receive data via site-to-site 🛛 🛛	
	send data via site-to-site 🔹 🕢	
	view the policies O	
	modify the policies	

The view the component" policy that currently exists on the processor (child) is the "view the component" policy inherited from the root process group (parent) on which User1 has privileges.

- **4.** Select the Override link in the policy inheritance message, keep the default of Copy policy and select the Override button.
- 5. On the override policy that is created, select the Add User icon



Find or enter User2 in the User Identity field and select OK.

ccess Policies		
GenerateFlowFile	view the component	4+
lser =		
User1		8
User2		8
Uber2		
C Last updated: 10:49:58 EST		

With these changes, User1 maintains the ability to view and edit the processors on the canvas. User2 can now view and edit the GenerateFlowFile processor.

nifil 🖸 🔊 🖙	ici ici "	÷ 1-	=⁄/			User2
🔠 0 💷 0 / 0 bytes 🛞	0 🖉 0	▶ 0	0 🔺 2	火 0	C 10:54:56 ES	т 🖊 🛛 🗆
Operate Operate GenerateFlowFile Processor 3/32a3d0-0156-1000-0000-000071278711 O Q	GenerateFlo GenerateFlo In 0 (0 bytes Read/Write 0 bytes / 0 Out 0 (0 bytes Tasks/Time 0 / 00:00:	wFile O) bytes O) O O 00.000 P	Configure Status History Upstream connectik Downstream conne Usage			User2
		\$	Change color Center in view Copy Delete			
Operate Palette Active				1	A O (0 bytes) Read/Write 0 bytes / 0 bytes Out 0 (0 bytes) Tasks/Time 0 / 00:00:00.000	5 min
401feda4-e293-4118-99ae-8a6d6b72b819						

Creating a Connection

With the access policies configured as discussed in the previous two examples, User1 is able to connect GenerateFlowFile to LogAttribute:

nifil 🖸 🕹	⊡>	ទ្រាំ	<u>io</u> i	0 <u>000</u>	• V					Use	a 📕
🔢 0 🔲 0 / 0 bytes	0	1	0 🤇	▶ 0	0	A 2	×,	0	C 11:05:12 EST	1	۹ 🛛
Navigate	⊕,									User1	
🖕 Operate	Θ	0	Generate Generate	teFlowFile FlowFile							
CenerateFlowFile Processor 3/32a3d0-0156-1000-0000-0000712787f1 Q Q 7 X D E E E D DELETE	R-	Out	0 (0 by te 0 byte 0 (0 by me 0 / 00:	s / 0 bytes		S min S min S min S min		In Read/Wr Out	LogAttribute LogAttribute 0 (0 bytes) ite 0 bytes / 0 bytes 0 (0 bytes) me 0 / 00:00:00.000	, Э	S min S min S min S min
NiFi Flow											

User2 cannot make the connection:

nifil 🖸 🗛 🖙				User2
🖽 0 📖 0 / 0 bytes 💿	i 0 ≤ 0 🖉 0	🔺 2 🕺 🦎 0	C 11:07:11 EST	1 a 🗆
🙆 Navigate 🕀	GenerateFlowFile		U	lser2
🏠 Operate 😑	GenerateFlowFile			
GenerateFlowFile Processor 3932a3d0-0156-1000-0000-000071278711 C C F K D E E E C DELETE	In 0 (0 bytes) Read/Write 0 bytes / 0 bytes Out 0 (0 bytes) Tasks/Time 0 / 00:00:00.000	In Re Ou	ad/Write Obytes / Obytes 💟	S min S min S min S min S min
401feda4-e293-4118-99ae-8a6d6b72b819				

This is because:

- User2 does not have modify access on the process group.
- Even though User2 has view and modify access to the source component (GenerateFlowFile), User2 does not have an access policy on the destination component (LogAttribute).

To allow User2 to connect GenerateFlowFile to LogAttribute, as User1:

1. Select the root process group. The Operate palette is updated with details for the root process group.

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2. Select the Access Policies icon



from the Operate palette and the Access Policies dialog opens.

3. Select "modify the component" from the policy drop-down.

Uter • view the component Imodify the component <t< th=""><th>NIFI Flow Process Group</th><th>view the component</th><th>2+ 1</th></t<>	NIFI Flow Process Group	view the component	2+ 1
view the data Imodify the data modify the data Imodify the data receive data via site-to-site Imodify send data via site-to-site Imodify view the policies Imodify	User .	view the component	
view the data Imodify the data modify the data Imodify the data receive data via site-to-site Imodify send data via site-to-site Imodify view the policies Imodify	User1	modify the component	8
receive data via site-to-site send data via site-to-site view the policies		u u	
send data via site-to-site view the policies		modify the data	
view the policies		receive data via site-to-site 🔹 💿	
		send data via site-to-site 🔹 💿	
modify the policies		view the policies	
		modify the policies	

4. Select the Add User icon



Find or enter User2 and select OK.

Г			
	Access Policies	:	×
6	Access Folicies		
C	NIFI Flow modify the component	4+ 1	
\$	User •		
4	User1		- 1
4	User2		
-			
	C Last updated: 11:11:59 EST		
N	Fi Flow	 _	_

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By adding User2 to the "modify the component" policy on the process group, User2 is added to the "modify the component" policy on the LogAttribute processor by policy inheritance. To confirm this, highlight the LogAttribute processor and select the Access Policies icon

m the Operate palette:	ee 0000 =e	_
Access Policies Showing effective policy inherited from Process Gro	p NiFi Flow. Override this policy.	×
C LogAttribute Processor	modify the component 🗸	&+ D
User 🔺		
User1 User2		
C Last updated: 11:14:38 EST		

With these changes, User2 can now connect the GenerateFlowFile processor to the LogAttribute processor.

nifi 🌢 🖸 🕹	₀ <	ভি	ioi	- <u>220</u> 0	• V					Us	er2
🔢 0 🔲 0 / 0 bytes	. 0		0 🧟	▶ 0	0	A 2	×,	0	C 11:17:12 EST	1	QD
Navigate	œ									User2	
🖕 Operate	Θ	0		ateFlowFile teFlowFile							
GenerateFlowFile Processor 3/32a3d0-0156-1000-0000712787/1	2	Out	Arite 0 byt	bytes) tes / 0 bytes bytes) 0:00:00.000		5 min 5 min 5 min 5 min					
	_						1999 C				
								0 4	\$		
								In		3	5 min
								Read/Write Out	0 bytes / 0 bytes 0 (0 bytes)	-	5 min 5 min
								Tasks/Time	e 0/00:00:00.000		5 min
401feda4-e293-4118-99ae-8a6d6b72b	819										

nifil 🖸 🕹 📾	<u>ioi</u> ioi 🚏	} <i>₹</i> /		User2
🖽 0 💷 0 / 0 bytes 💿	0 🖉 0 🕨 0	🔳 0 🛛 🕰 2	🔆 0 🛛 🕄 11:18:42 EST	1 9 0
Navigate Operate Gec89018-0158-1000-f351-29cd Connection Gec89018-0158-1000-f351-29cd70ea03f7 Gec89018-0158-1000-f351-29cd70ea03f7	GenerateFlowFile GenerateFlowFile In 0 (0 bytes) Read/Write 0 bytes / 0 bytes Out 0 (0 bytes) Tasks/Time 0 / 00:00:00.000	S min S min S min S min	nytes)	User2
401feda4-e293-4118-99ae-8a6d6b72b819			In 0 (0 bytes) Read/Write 0 bytes / 0 bytes Out 0 (0 bytes) Tasks/Time 0 / 00:00:00.000	S min S min S min S min

Editing a Connection

Assume User1 or User2 adds a ReplaceText processor to the root process group:

nii 🌢 🖸 🕹	<u></u>	छि	joj	9350 8	3- 5	U.			User1
🔠 0 🔲 0 / 0 bytes	. 0)	0 🦉	▶ 0	2	🛦 1	淡 0	C 11:34:53 EST	۹
Navigate	æ								
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NiFi Flow									

User1 can select and change the existing connection (between GenerateFlowFile to LogAttribute) to now connect GenerateFlowFile to ReplaceText:

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NiFi Flow									

User 2 is unable to perform this action.

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To allow User2 to connect GenerateFlowFile to ReplaceText, as User1:

- 1. Select the root process group. The Operate palette is updated with details for the root process group.
- 2. Select the Access Policies icon



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3. Select "view the component" from the policy drop-down.

User 1 view the component Image: Component User 1 modify the component Image: Component view the data Image: Component Image: Component receive data via site-to-site Image: Component Image: Component send data via site-to-site Image: Component Image: Component	view the component of modify the component of modify the data of modify the data of receive data via site-to-site of				
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4. Select the Add User icon

& +).
Find or enter User2 and select OK.	

Image: Second secon	ľ	Access Policies	-0 -000 -	-		×	
User1	0	Process Group	view the component	~	4	6	
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Being added to both the view and modify policies for the process group, User2 can now connect the GenerateFlowFile processor to the ReplaceText processor.

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