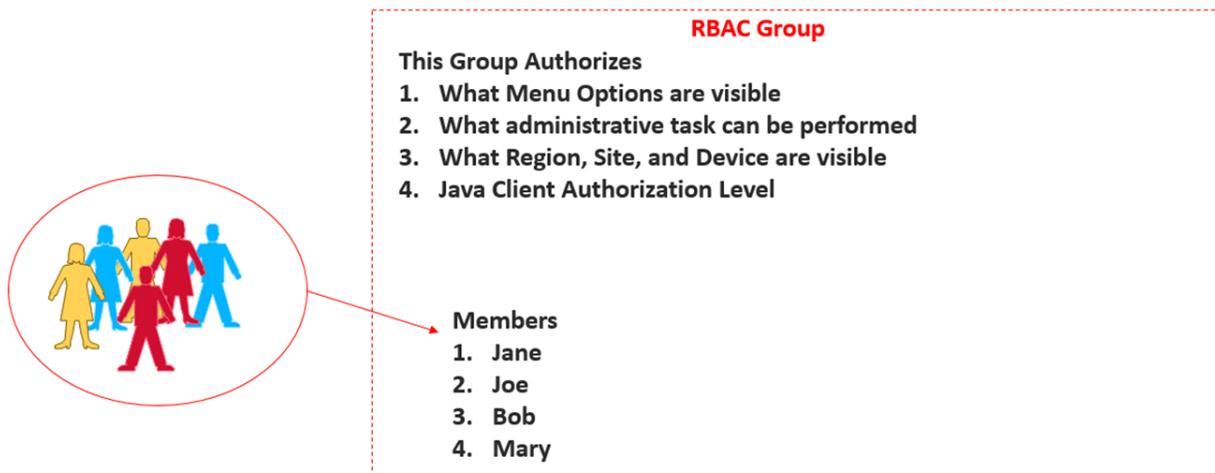


LiveAction® RBAC Updates in LiveNX 21.3.0

The Role Based Access Control (RBAC) framework has been updated in LiveNX 21.3.0 to be based on groups. This document will act as a supplemental addendum to the [LiveNX Operations Dashboard Admin Guide](#).

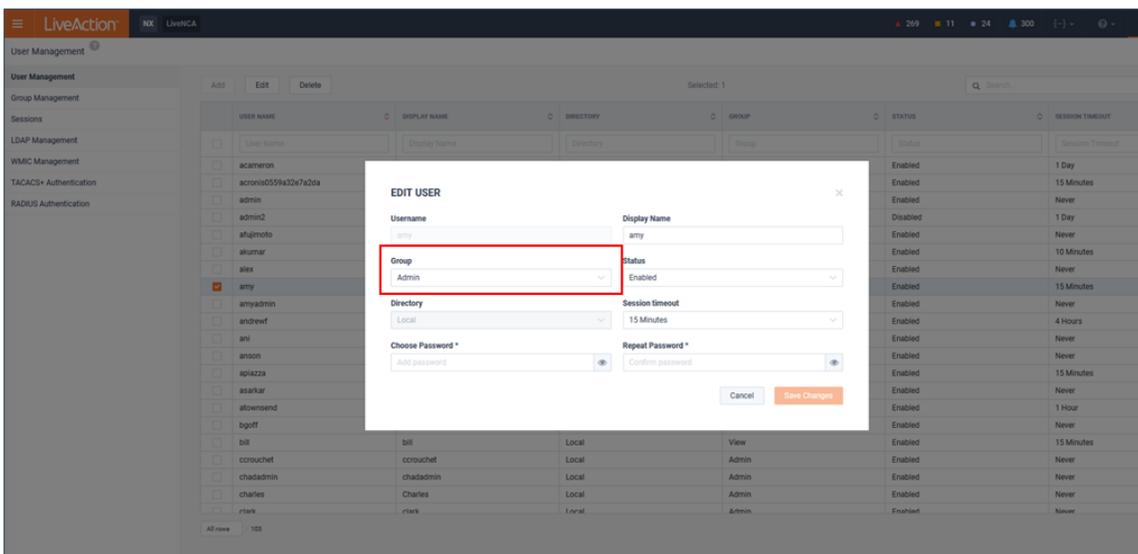
Groups

The following diagram depicts the updated design:

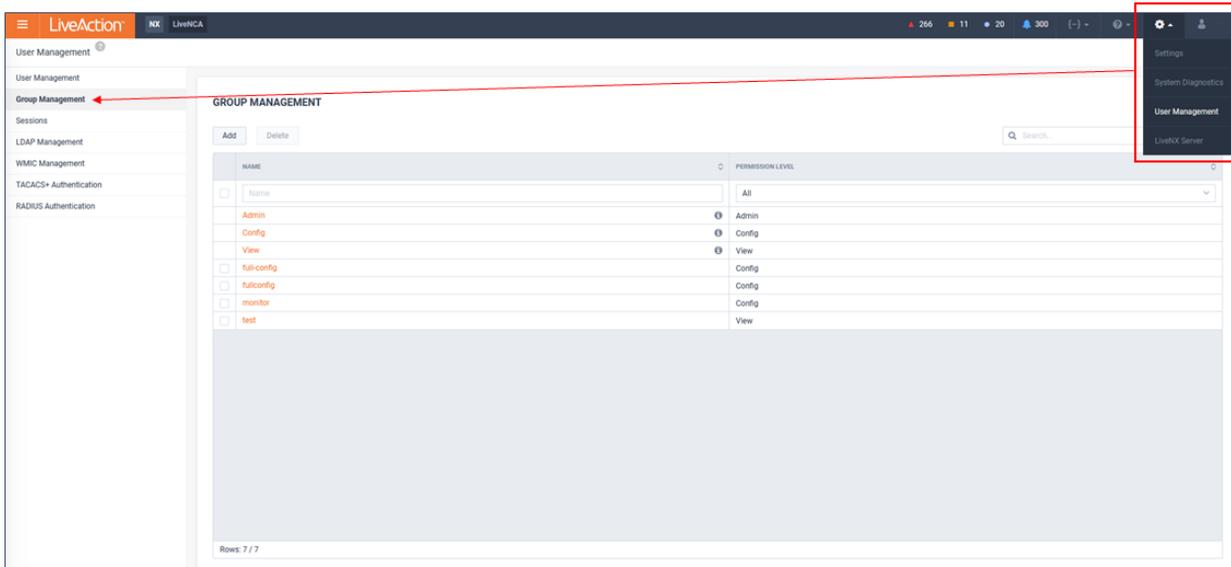


Groups are given authorization to access specific LiveNX capabilities, perform specific tasks, and access specific devices' data for monitoring and reporting. Users are added as members to a Group. Roles that were formally assigned directly to Users are now assigned to Groups.

After upgrading to 21.3, LiveNX Users will be assigned to a Group. The Group given to a User during the update process will be based on the User's Role in the previous version of LiveNX.



Groups are managed from *Settings > User Management > Group Management*.



By default, there are three Groups in LiveNX: *Admin*, *Config*, and *View*. These three default groups cannot be deleted, and their role cannot be modified. Additional Groups can be added and fully modified. When upgrading from past versions of LiveNX, more groups may be automatically created to support any custom RBAC configuration that may have been implemented previously.



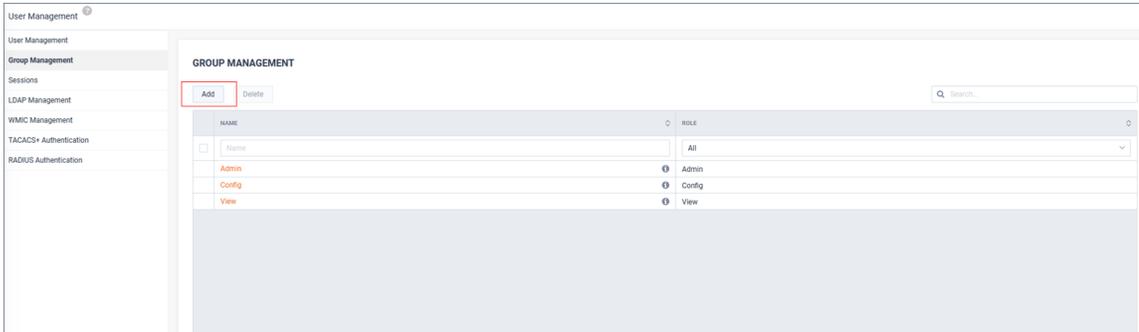
Role

As mentioned previously, LiveNX Roles are assigned to Groups. These Roles have been consolidated in 21.3.0 from six to three. The Group's Role defines the authorized capabilities for the members of the Group. There are three Roles available: *Admin*, *Config*, and *View*. Their capabilities will be summarized in the table below:

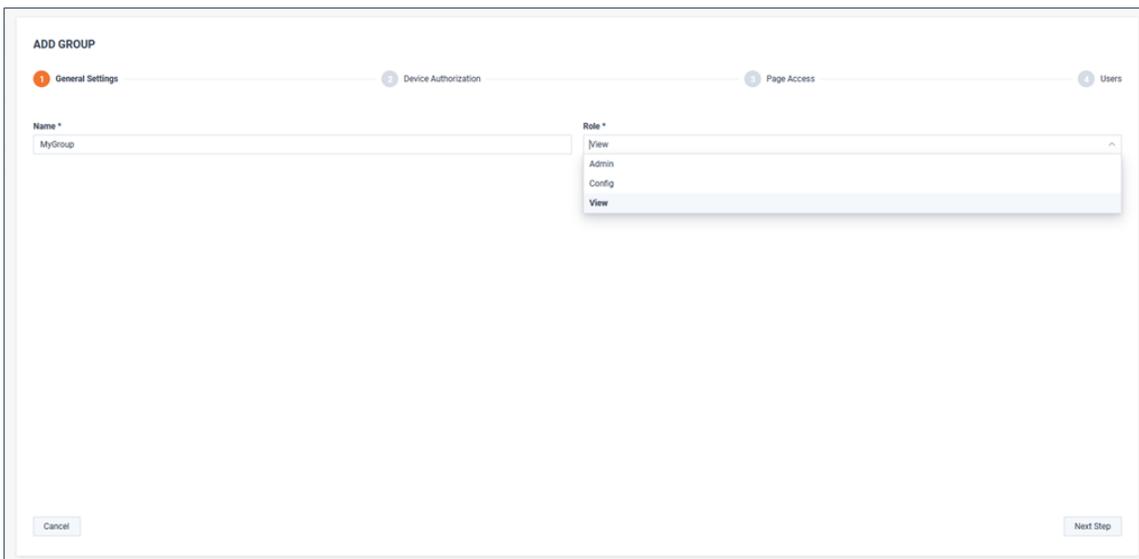
New Role	Description	Device Access	Capabilities
Admin	Can perform any action for all resources. Is capable of making changes to the system that impact other users.	All devices	All capabilities
Config	Can perform any action for its selected resources. Is capable of making changes to the system that impact other users but at more limited level than admin. An example is that a "config" user will not be able to access "Settings"	Only devices for which a user has been given permission to access (All Devices by Default)	<ul style="list-style-type: none"> In the Operations Dashboard: Config can optionally manage Devices, Custom Applications, Filters, Site In the Engineering Console: Config can optionally control CLI GUIs (ie. Manage QoS, IP SLA, ACLs, PBR, etc.)
View	Can primarily only monitor data for its selected resources. Is unable to make changes that impact other users.	Only devices for which a user has been given permission to access (All Devices by Default)	Monitor Only

Adding a New Group

1. To begin Group management, click **Add**.

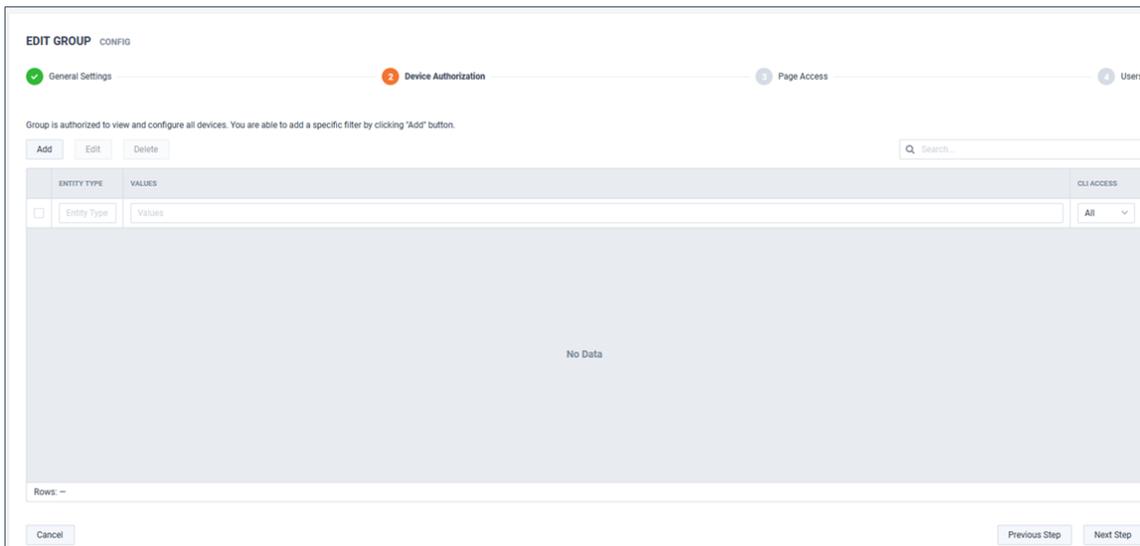


2. Provide a *Name* and *Role*.

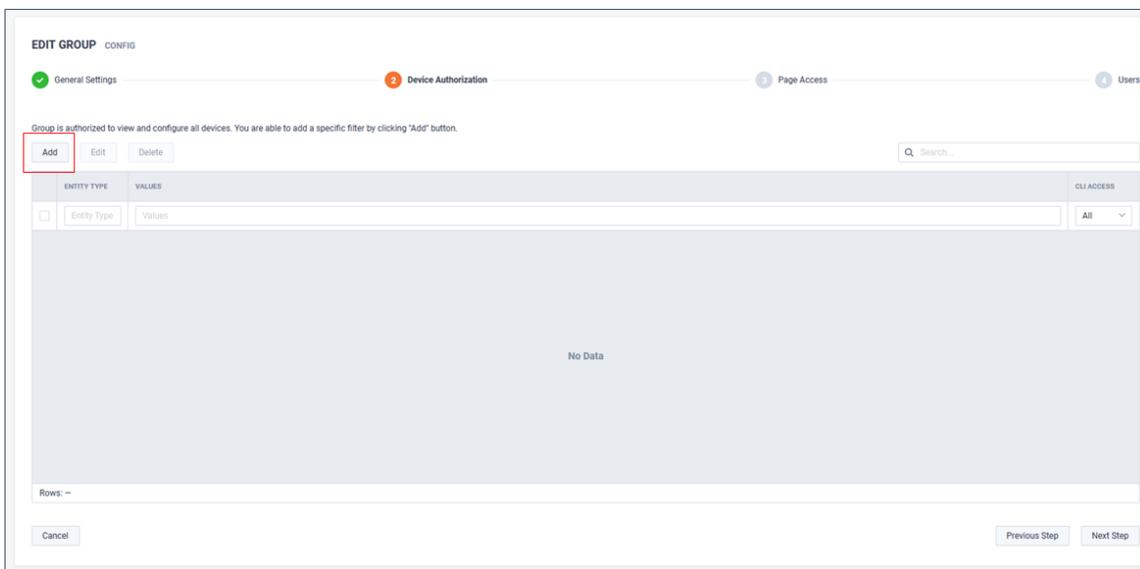


3. Assign device authorization.

Device Authorization defines which device's SNMP and NetFlow metrics are visible by group members. By default, all devices are available for all roles. Restricting visibility to selected devices can be accomplished by filtering devices, sites, or regions.



To restrict authorization to a specific device(s), click **Add**.



Filters can be applied by *Device*, *Site*, or *Region*.



Config roles can optionally have CLI access for managing QOS, IPSLA, etc. in the EngNEERING Console.
In the following example, the devices matching the filters would be authorized for monitoring by this Group:

- Site=Austin
- Device=LondonEdge
- Region=Florida

EDIT GROUP MYGROUP

General Settings **2** Device Authorization **3** Page Access **4** Users

Filters determine which devices users in this group can access. Remove all filters to give full access to all devices.

Add Edit Delete

ENTITY TYPE	VALUES	CLI ACCESS
<input type="checkbox"/> Entity Type	Values	All
<input type="checkbox"/> Site	Austin	✓
<input type="checkbox"/> Device	LondonEdge	✓
<input type="checkbox"/> Region	Florida, United States, North America	✓

Rows: 3 / 3

4. Assign Operations Dashboard (WebUI) page access.

ADD GROUP

General Settings **2** Device Authorization **3** Page Access **4** Users

- Dashboard
- Entity Pages (Sites/Devices/Interfaces/Applications)
- Network Users
- Topology
- Report Management
- Alert View
- OID Polling
- Device Management
- Filter Management
- Application Management
- Site Management
- Live NA
- Device Inventory Story
- Flow Path Analysis Story
- IPSLA Story
- Security Flow Analysis Story

Cancel Previous Step Next Step

Operations Dashboard (WebUI) page access can be limited per role:

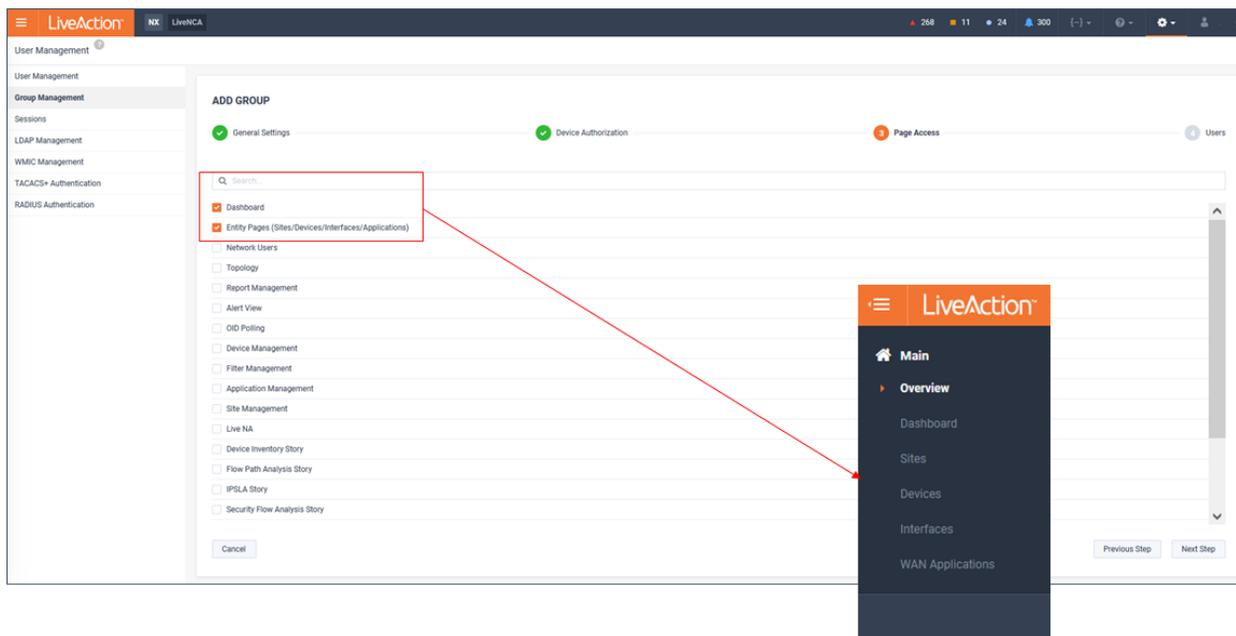
- Most pages are accessible by all Roles.
- Some pages are accessible to only Admins.
- Some pages are accessible to Admins and Config.

Below is a table showing the pages only available to Admin and Config Roles:

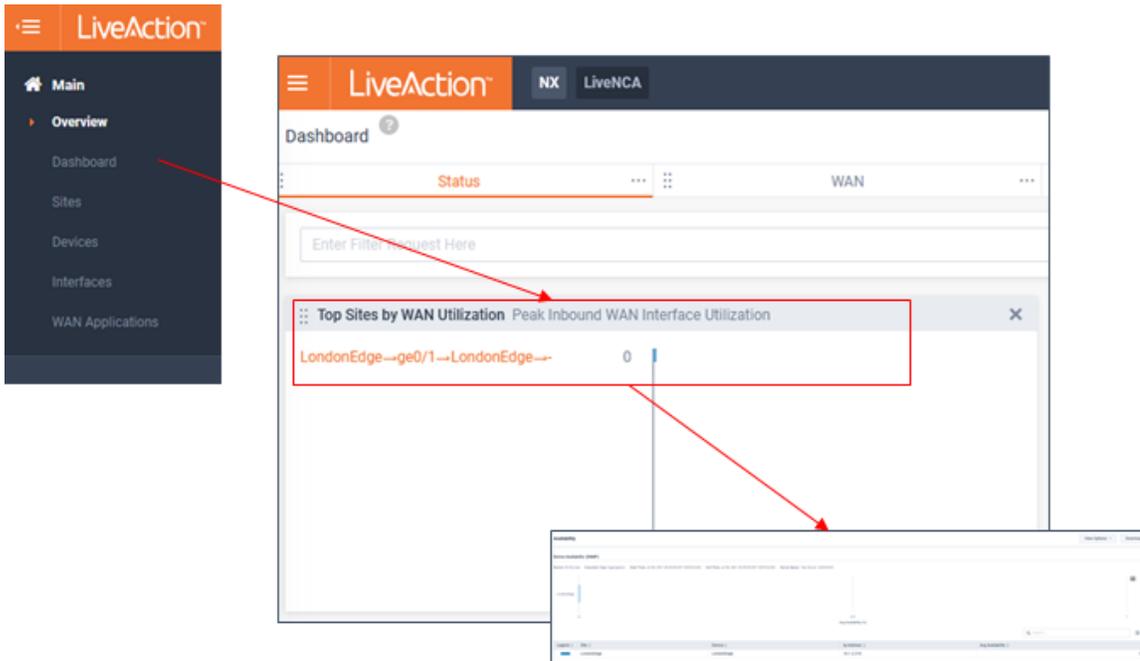
Section	Page	Required Page Access	Required Role
Configure	Alert Management	–	admin
Configure	Application Management	Application Management	config/admin
Configure	OID Polling	OID Polling	config/admin
Configure	Device Management	Device Management	config/admin
Configure	Filter Management	Filter Management	config/admin

Section	Page	Required Page Access	Required Role
Configure	Site Management	Site Management	config/admin
Gear Icon	Settings	–	admin
Gear Icon	User Management	–	admin
Gear Icon	LiveNX Server	–	admin

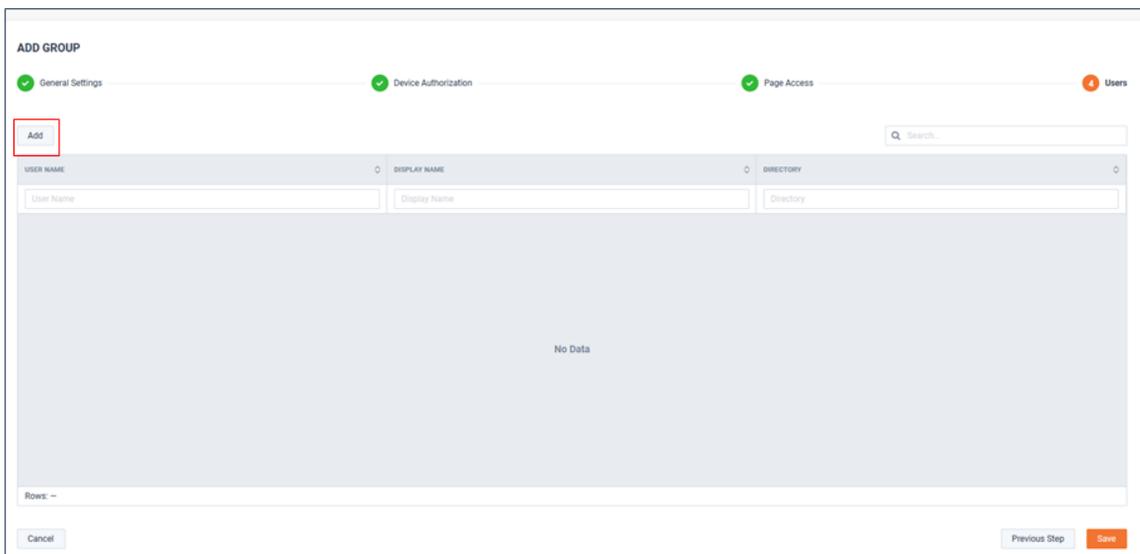
In this example, only Dashboards and Entity Pages (*Sites/Devices/Interfaces/WAN Applications*) will be available on the Navbar for this Group:



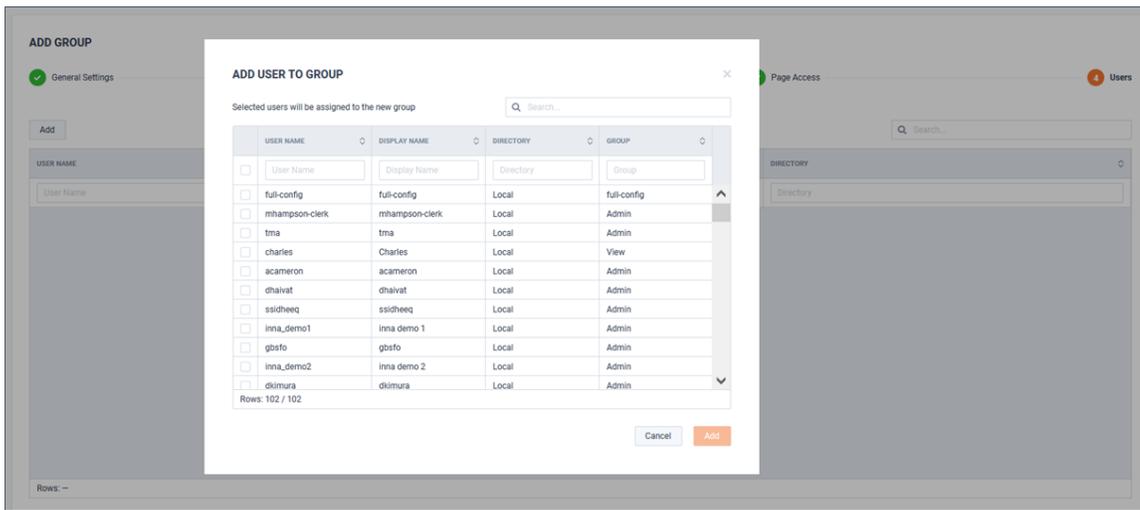
Do note that even though the Navbar may be restricted, some drill-down workflows will still allow limited functionality to pages not directly available from the Navbar. Using the previous example, where Dashboards were one of the limited options made available, these pages allow drill-down to reports, but the reports are limited to just the results.



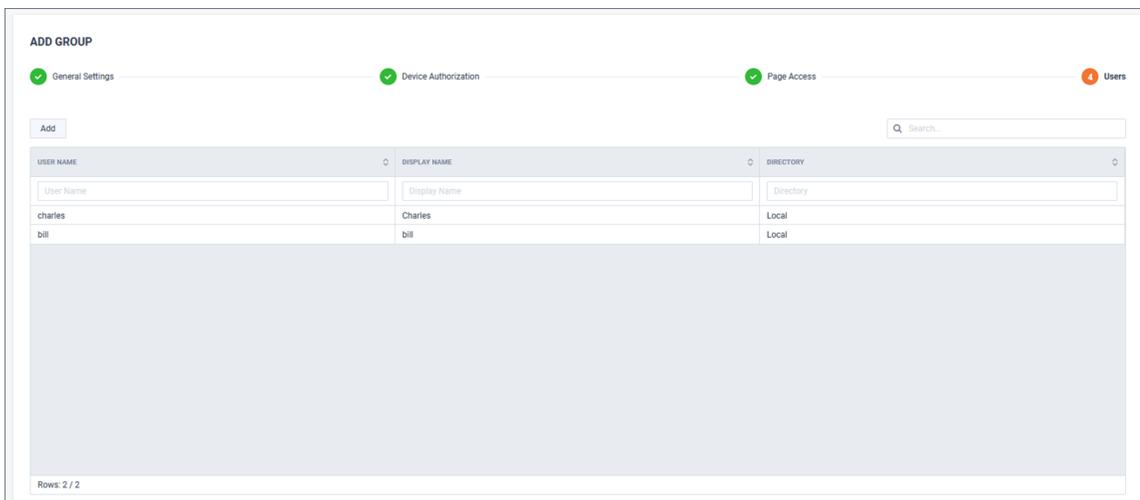
5. Add a user(s) to group by clicking **Add**.



Select the users of interest and click **Add**.



In this example, users *Charles* and *Bill* will be a member of this group.



The new Group will now be listed on the *Group Management* page.

