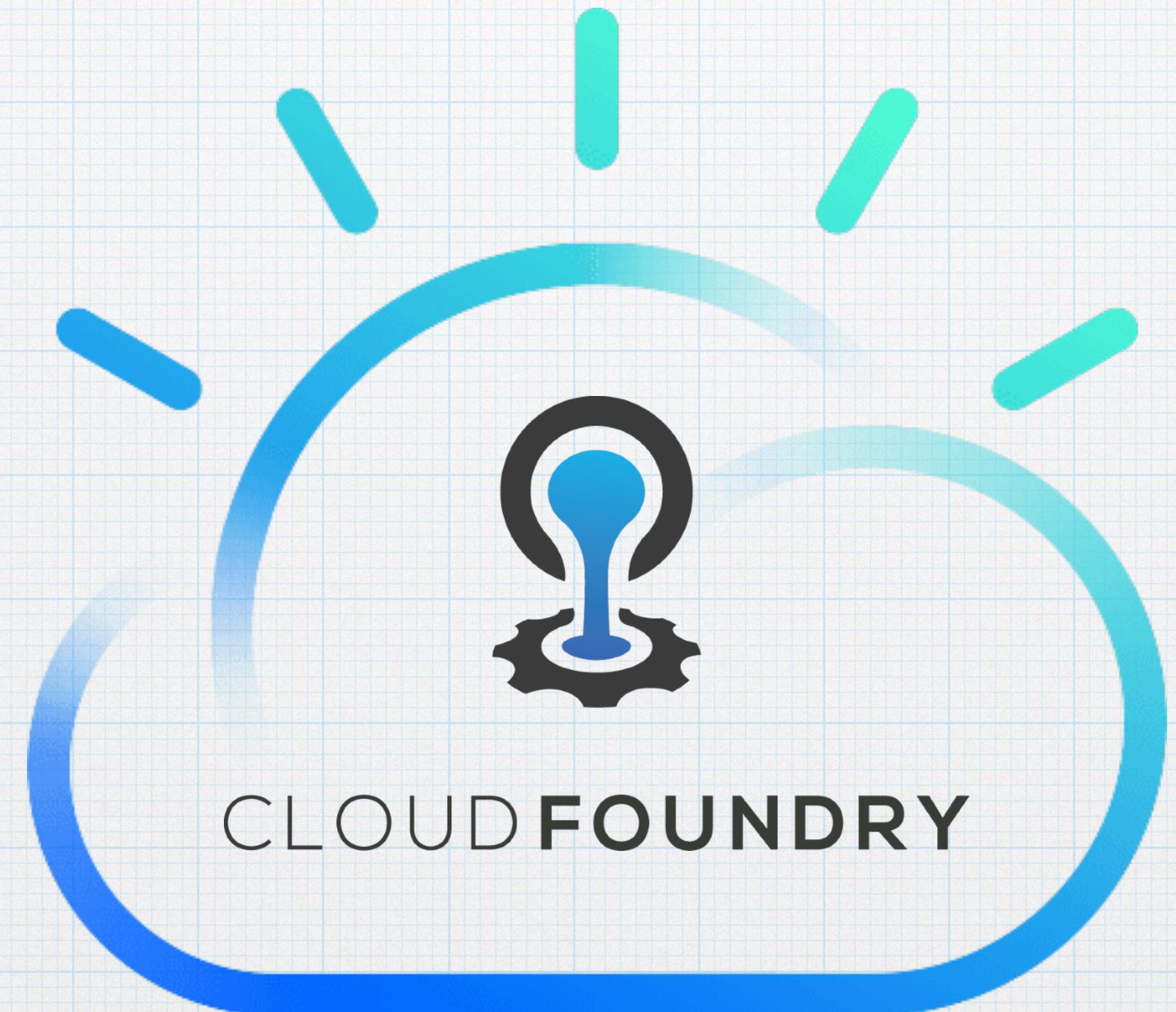


# Invite Users to IBM Cloud Foundry



# Invite Users to IBM Cloud Foundry

- \* It is critical that you give your users Cloud Foundry access
- \* This is NOT the default
- \* Follow these charts to see the two (2) places that you need to do this.

# Go to: [cloud.ibm.com](https://cloud.ibm.com)

The screenshot shows the IBM Cloud dashboard interface. On the left is a sidebar with various icons for different services: Resource summary (14 resources), Cloud Foundry apps (2), Cloud Foundry services (4), Services (2), Developer tools (5). Below this is a 'For you' section featuring Watson Studio. The main dashboard area has sections for Catalog, Docs, Support, Manage, NYU, and a user profile. It includes a 'Resource summary' card with 14 resources, a 'Planned maintenance' card stating 'Clear skies!', and a 'News' card with articles about Intel Xeon Broadwell Servers and Open Labs.

IBM Cloud

Search resources and offerings...

Catalog Docs Support Manage NYU

NYU

Dashboard

Resource summary

14 Resources

Cloud Foundry apps 2

Cloud Foundry services 4

Services 2

Developer tools 5

Add resources +

For you

Watson Studio provides a suite of tools and a collaborative environment for data scientists, developers and domain experts.

News

End of Sale - 50% Off Intel® Xeon® Broadwell Servers

New Open Labs for Application Development on IBM Cloud

View all

Planned maintenance

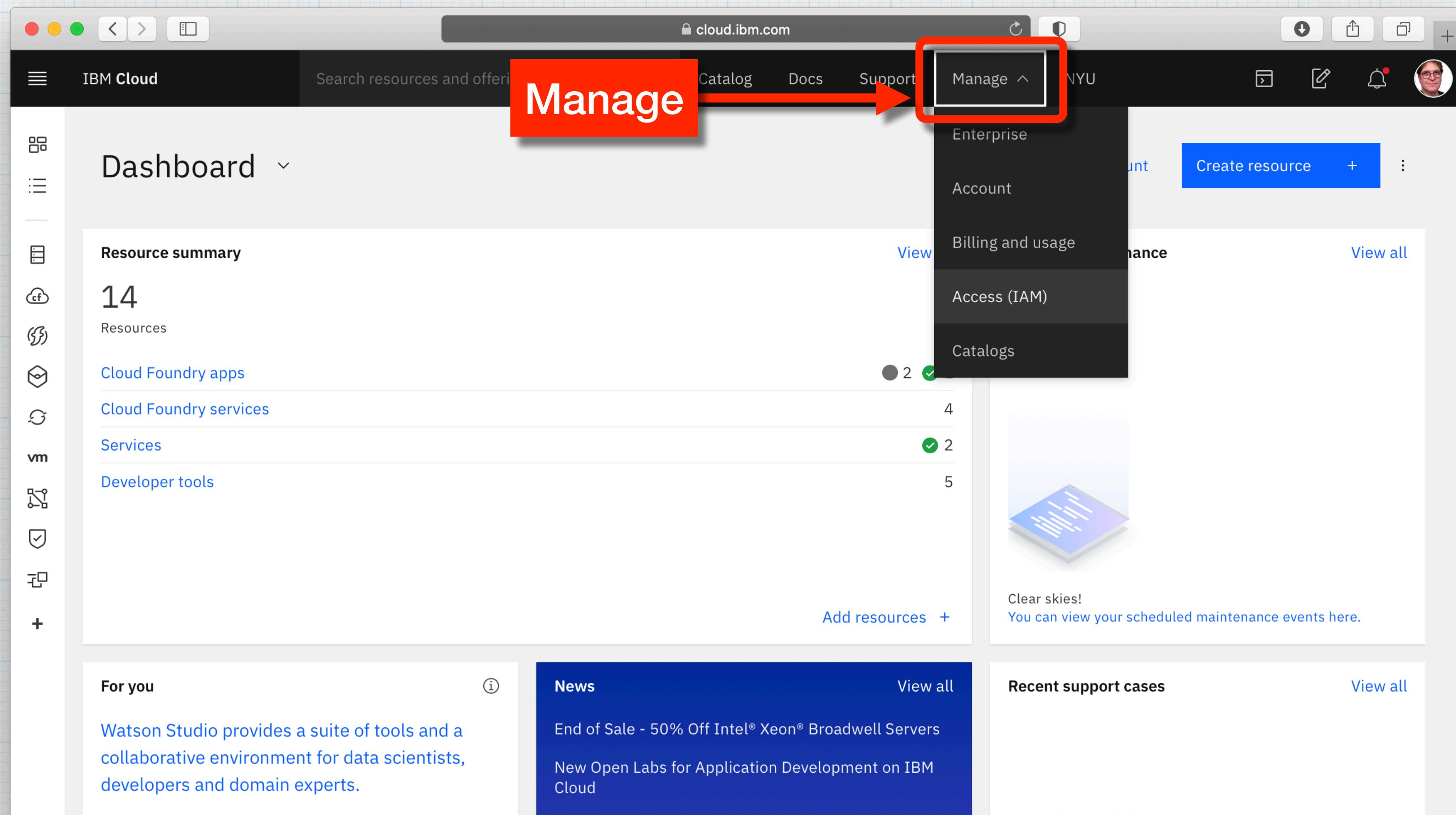
Clear skies!

You can view your scheduled maintenance events here.

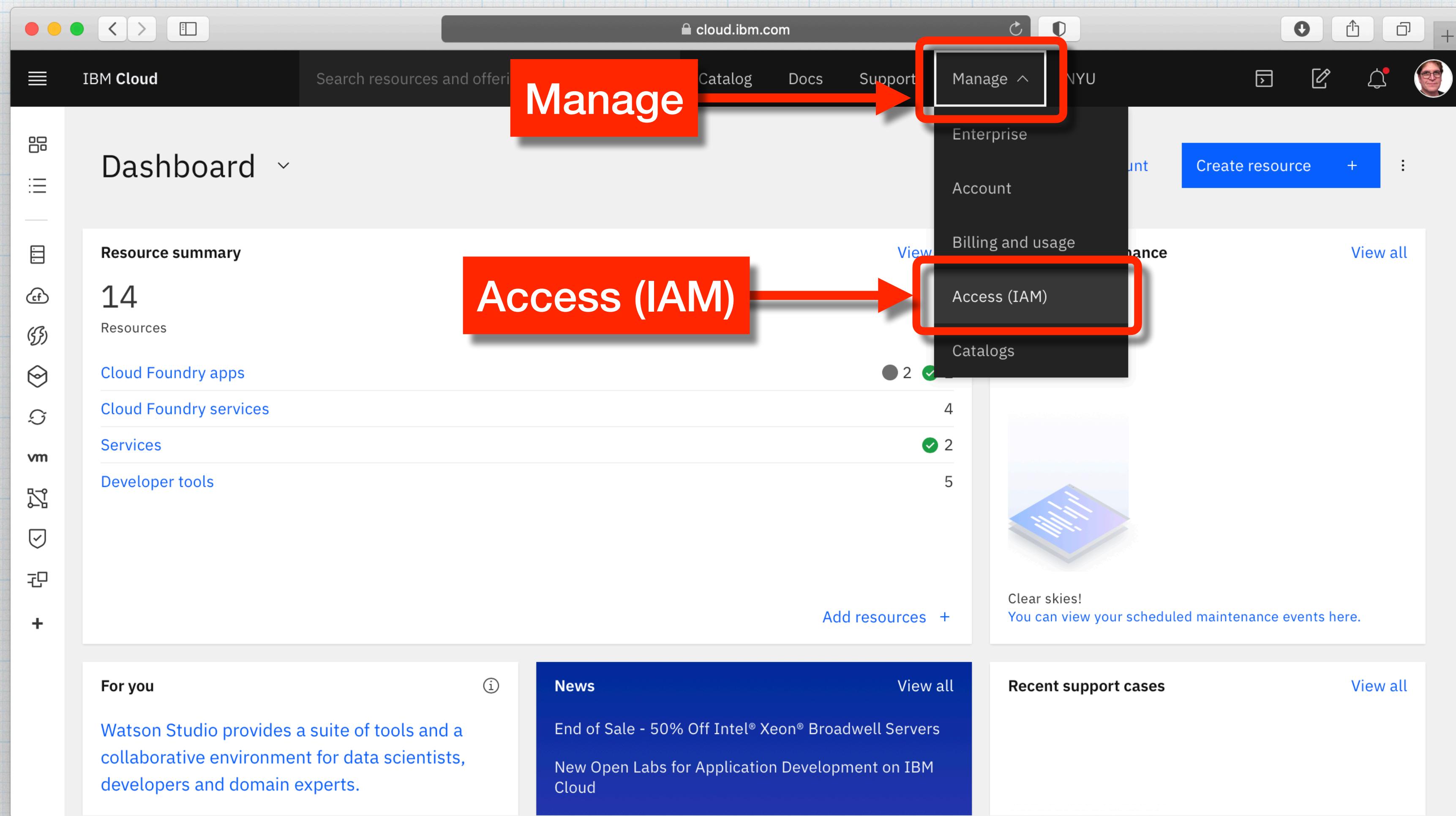
Recent support cases

View all

# Manage -> Access (IAM)



# Manage -> Access (IAM)



# Invite Users

The screenshot shows the IBM Cloud Access (IAM) interface. On the left, a sidebar lists various IAM management options: Access (IAM), Users, Access groups, Roles, Service IDs, Authorizations, Identity providers, API keys, and Settings. The 'Access (IAM)' option is currently selected and highlighted with a blue bar. The main content area is titled 'Manage access and users'. A prominent red box highlights the 'Invite users' button, which is located in a blue rectangular box with a '+' sign. Below this, there's a large purple circular icon. To the right of the icon, the text 'Total users' is followed by the number '1'. A legend indicates that a dark blue square represents 'Active' users, with the value '1' next to it. Further down, there's a 'Policy limit' section with a tip about minimizing policies using access groups.

Manage access and users

Access (IAM)

Users

Access groups

Roles

Service IDs

Authorizations

Identity providers

API keys

Settings

Invite users +

Users

Total users  
1

Active 1

View all

Policy limit

Keep an eye on how many access policies can be assigned in the account to ensure that you don't reach the limit. [Learn more](#).

15/2010

Tip

To minimize the total number of policies, use access groups to assign multiple users the same level of access. [Explore best practices](#).

My user details View all

My IBM Cloud API keys View all

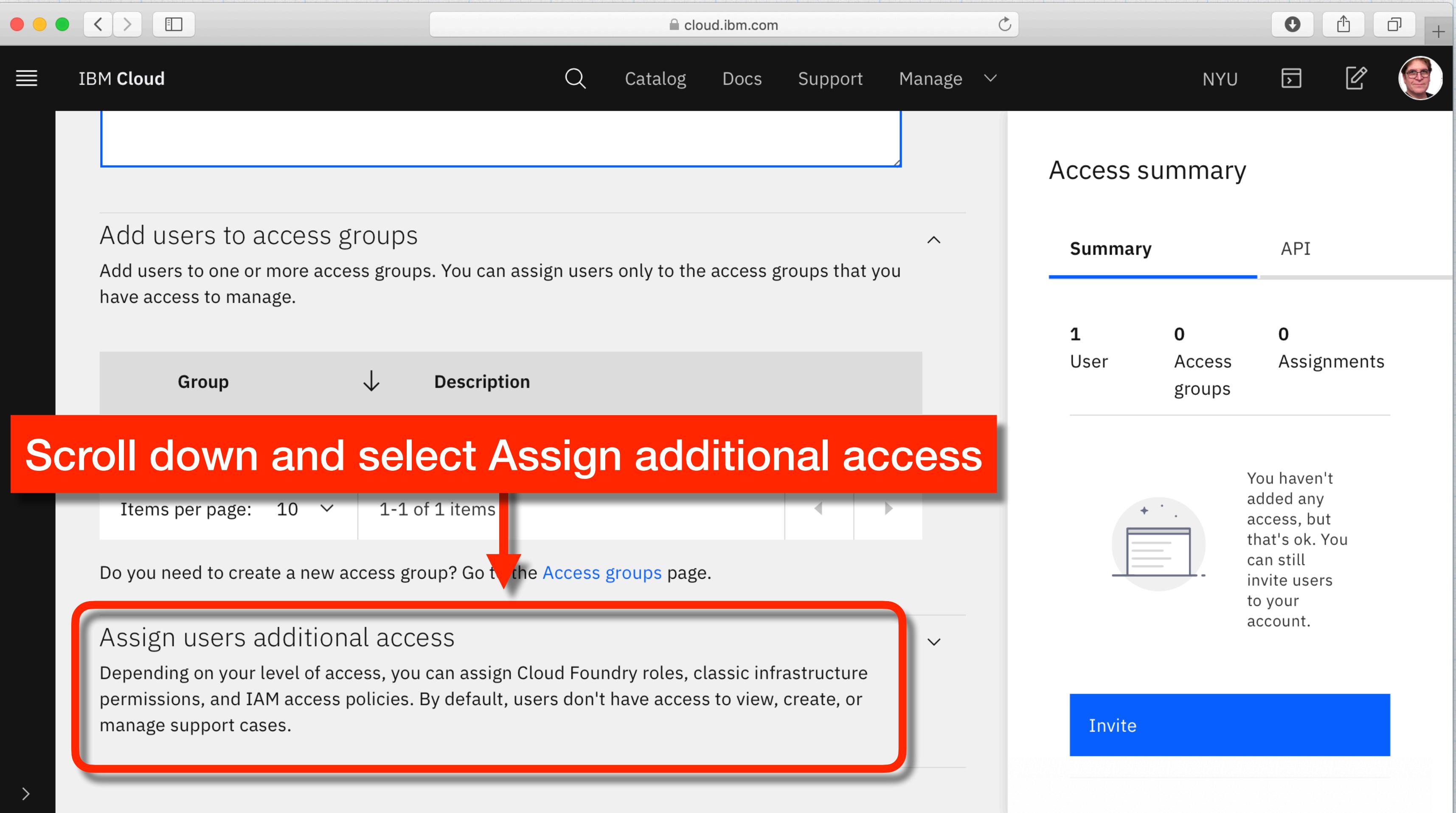
Recently updated

FAQs

# Invite your team via their nyu.edu email

The screenshot shows the IBM Cloud Access summary page. At the top, there is a prominent orange banner with the text "Add your teams nyu.edu emails here". Below this, there is a large input field labeled "Enter email addresses" with a placeholder text "Enter up to 100 email addresses separated by commas, spaces, or line breaks.". A red arrow points from the text above down to this input field. To the left of the input field, there is a section titled "Add users to access groups" with a sub-instruction: "Add users to one or more access groups. You can assign users only to the access groups that you have access to manage." Below this, there is a table showing a single group entry: "DevOps Class" with a description "Students from my DevOps Class" and an "Add" button. At the bottom of the page, there is a message: "Do you need to create a new access group? Go to the [Access groups](#) page." On the right side of the page, there is an "Access summary" sidebar with sections for "Summary" (0 Users, 0 Access groups, 0 Assignments) and "API". At the bottom right, there are "Invite" and "Cancel" buttons.

# Assign Additional Access



The screenshot shows the IBM Cloud Access summary page. At the top, there's a navigation bar with links for Catalog, Docs, Support, Manage, NYU, and a user profile icon. Below the navigation is a search bar and a 'Manage' dropdown.

The main area is titled 'Access summary' and contains two tabs: 'Summary' (which is selected) and 'API'. Under the 'Summary' tab, it shows 1 User, 0 Access groups, and 0 Assignments. To the right, there's a message: 'You haven't added any access, but that's ok. You can still invite users to your account.' with an 'Invite' button.

On the left, there's a section titled 'Add users to access groups' with a sub-section 'Add users to one or more access groups. You can assign users only to the access groups that you have access to manage.' Below this is a table with columns 'Group' and 'Description'. A red box highlights the 'Group' column header, and a red arrow points from the text above it down to the 'Group' header.

A large red box covers the bottom-left portion of the screen, containing the text 'Scroll down and select Assign additional access' in white. Below this text is a red box highlighting the 'Assign users additional access' section. This section contains the text: 'Depending on your level of access, you can assign Cloud Foundry roles, classic infrastructure permissions, and IAM access policies. By default, users don't have access to view, create, or manage support cases.'

# Select Cloud Foundry and Your Organization

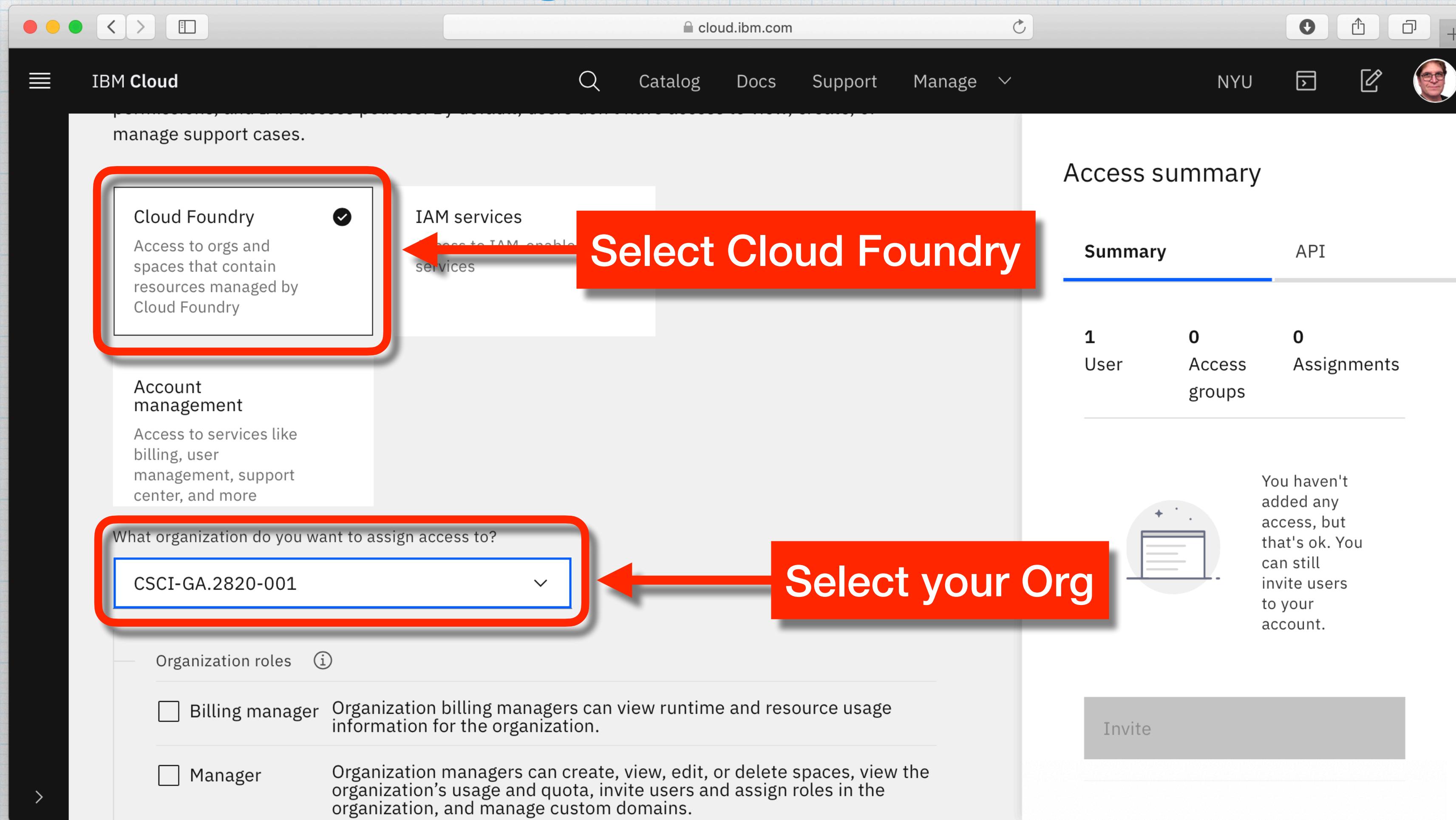
The screenshot shows the IBM Cloud Access summary interface. On the left, there's a sidebar with options like 'Cloud Foundry' (selected), 'Account management', and 'IAM services'. A red box highlights the 'Cloud Foundry' section, and a red arrow points from it to a large red button labeled 'Select Cloud Foundry'. The main area displays an 'Access summary' table with 1 User, 0 Access groups, and 0 Assignments. To the right, there's a note about not having added any access yet, and a 'Invite' button.

Summary	API
1 User	0 Access groups
0 Assignments	

You haven't added any access, but that's ok. You can still invite users to your account.

Invite

# Select Cloud Foundry and Your Organization



# Select Manager and Developer

The screenshot shows the IBM Cloud Access summary page for the organization "CSCI-GA.2820-001". The left panel displays "Organization roles" and the right panel displays "Access summary".

**Organization roles:**

- Billing manager: Organization billing managers can view runtime and resource usage information for the organization.
- Manager: Organization managers can create, view, edit, update, and delete resources, including quotas, invites users and assign roles in the organization.
- Auditor: Organization auditors can view resources, but they can't modify them.

A red box highlights the "Manager" role, and a red arrow points from it to a large orange button labeled "Select Manager".

**Access summary:**

**Summary**      API

User	Access groups	Assignments
1	0	0

You haven't added any access, but that's ok. You can still invite users to your account.

**Invite**      **Cancel**

# Select Manager and Developer

The screenshot shows the IBM Cloud interface for managing organization roles. On the left, under 'Organization roles', three options are listed:

- Billing manager: Organization billing managers can view runtime and resource usage information for the organization.
- Manager: Organization managers can create, view, edit, quota, invite users and assign roles in the organization.
- Auditor: Organization auditors can view resources, but they can't modify them.

A red box highlights the 'Manager' role, and a red arrow points from it to a large orange button labeled 'Select Manager'. On the right, the 'Access summary' panel shows 1 User, 0 Access groups, and 0 Assignments. A message indicates that no access has been added yet. At the bottom, there are 'Invite' and 'Cancel' buttons.

**Select Manager**

**Select Developer**

# Select Manager and Developer

The screenshot shows the IBM Cloud Access summary interface. On the left, under 'Space roles', there are three options: 'Manager' (unchecked), 'Developer' (checked), and 'Auditor' (unchecked). A red box highlights the 'Developer' option with the text 'Scroll Down'. A red arrow points from this box down to the 'Developer' section. On the right, the 'Access summary' panel shows a summary of access: 1 User, 0 Access groups, and 0 Assignments. It also includes an 'Invite' button and a 'Cancel' button.

Region  
All current regions

Space roles

Manager Space managers can add existing users, manage user's roles within the space, and view the number of instances, service bindings, and resource use for each application in the space.

Developer Developers can configure, modify, use, and purchase resources.

Auditor Auditors can view resources, but they can't modify them.

Reset Add +

Access summary

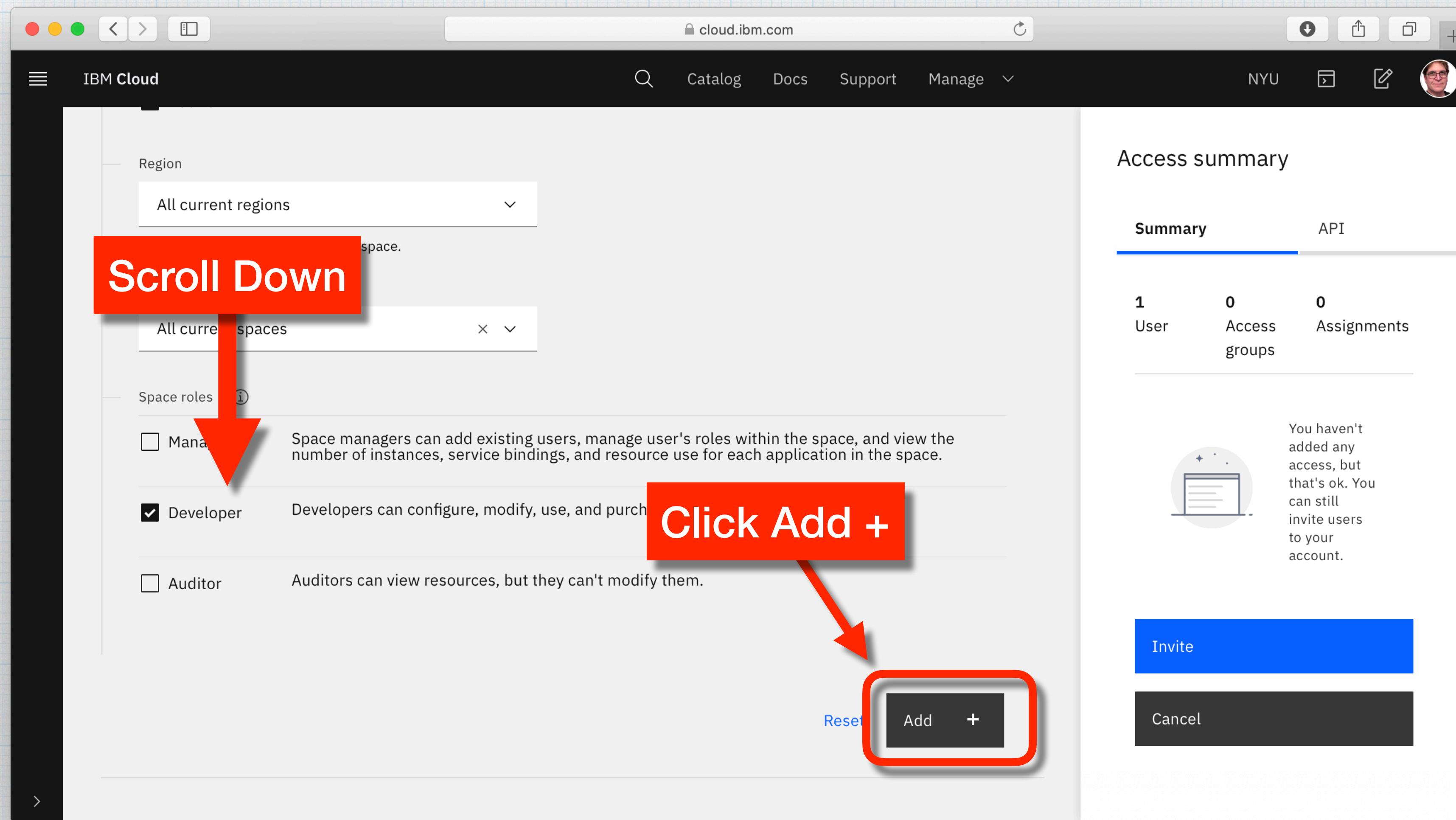
Summary API

1 User 0 Access groups 0 Assignments

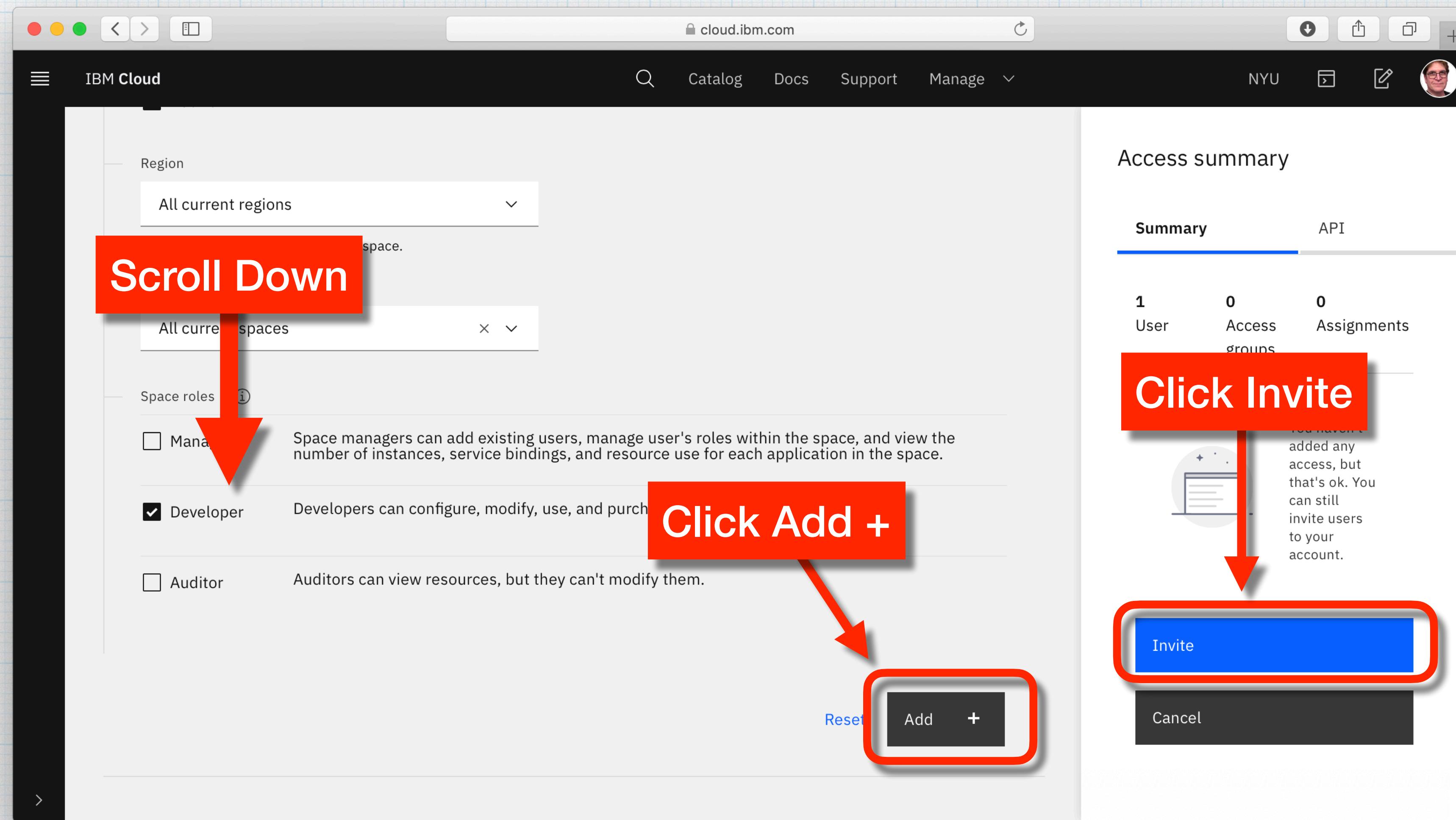
You haven't added any access, but that's ok. You can still invite users to your account.

Invite Cancel

# Select Manager and Developer

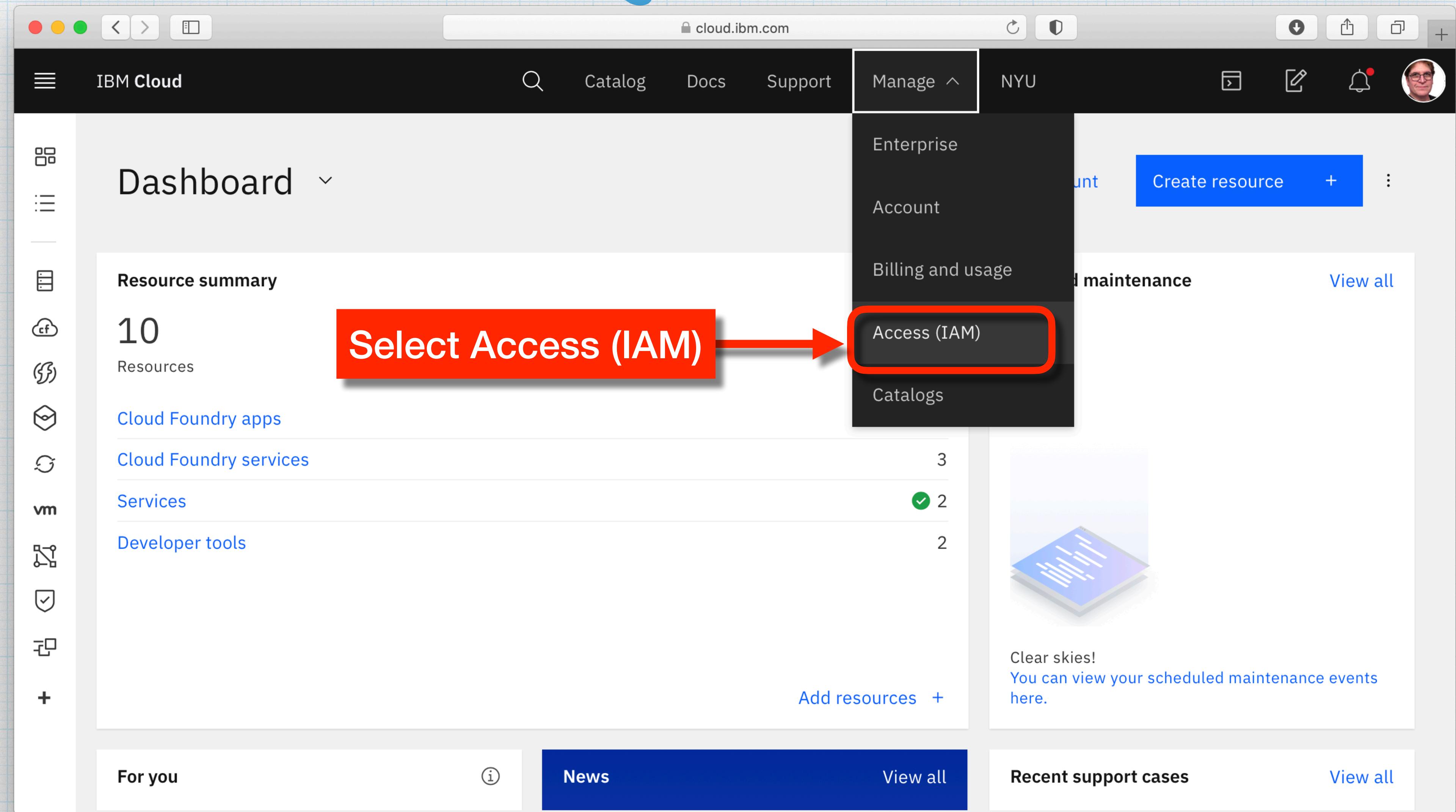


# Select Manager and Developer



# Create an Access Group

# Select Manage -> Access (IAM)



# Select Access Groups

The screenshot shows the IBM Cloud Access (IAM) interface. On the left, a sidebar lists several options: Access (IAM), Users, Access groups (which is highlighted with a red box and has an orange callout bubble pointing to it), Roles, Service IDs, Authorizations, API keys, and Settings. The main area is titled "Manage access and users". It displays a large purple circle placeholder. At the top right, there are buttons for "Create access group" and "Invite users". Below the main area, it shows "Total users: 1" with a breakdown: 1 Active.

Manage access and users

Create access group +

Invite users +

View all

Total users  
1

Active 1

Access (IAM)

Users

Access groups

Roles

Service IDs

Authorizations

API keys

Settings

NYU

Cloud.ibm.com

Search

Catalog

Docs

Support

Manage

IBM Cloud

User profile

Help

Logout

# Select Create

The screenshot shows the IBM Cloud interface for managing access groups. The left sidebar is titled "Access (IAM)" and contains the following navigation items:

- Access (IAM)
- Users
- Access groups** (selected)
- Roles
- Service IDs
- Authorizations
- API keys
- Settings

The main content area is titled "Access groups" and contains the following text:

Create access groups to quickly and easily assign access to a set of users and service IDs. To add users and assign access to an existing group, click the group name. [Learn more.](#)

A table lists the existing access group "Public Access". The table has two columns: "Group" and "Description".

Group	Description
Public Access	This group includes all users and service IDs by default. All group members, including unauthenticated users, are given public access to any resources that are defined in the policies for the group.

At the bottom of the page, there are pagination controls: "Items per page: 25", "1-1 of 1 items", "1", "1 of 1 pages", and navigation arrows.

A large red arrow points from the text "Click Create" to the blue "Create" button in the top right corner of the table header area, which is highlighted with a red box.

# Create an Access Group

The screenshot shows the IBM Cloud web interface with the URL `cloud.ibm.com` in the address bar. The top navigation bar includes links for Catalog, Docs, Support, Manage, NYU, and user profile. The left sidebar has sections for Access (IAM), Users, Access groups (which is selected and highlighted in blue), Roles, Service ID, Authorizations, API keys, and Settings.

A modal window titled "Create access group" is open in the center. It contains fields for "Name" (with "DevOps Class" entered) and "Description" (with "Students from my DevOps Class" entered). A red box highlights the "Name" and "Description" fields. A red arrow points from the text "Give it a name and description" to the "Description" field.

At the bottom of the modal, there are "Cancel" and "Create" buttons. The "Create" button is highlighted in blue.

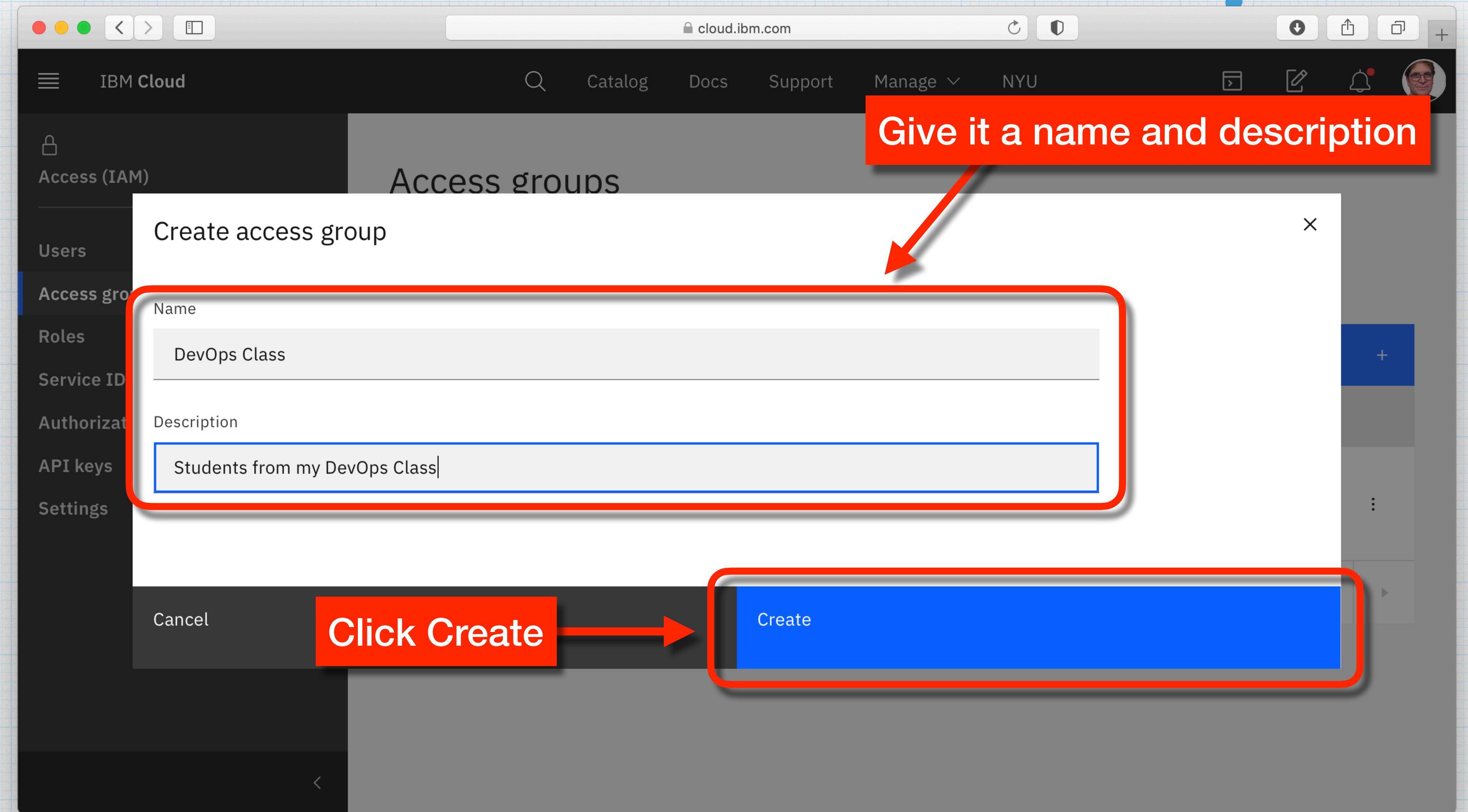
**Give it a name and description**

Name  
DevOps Class

Description  
Students from my DevOps Class

Cancel Create

# Create an Access Group



# Create Access Policies

The screenshot shows the IBM Cloud Access (IAM) interface. On the left, a sidebar lists several options: Access (IAM), Users, Access groups (which is selected and highlighted with a blue border), Roles, Service IDs, Authorizations, API keys, and Settings. The main content area is titled "Groups / DevOps Class". It displays a message: "The group does not have any users assigned." Below this message is a blue button labeled "Add users +". At the top right of the main content area, there are "Details" and "Actions..." buttons. The "Access policies" tab is highlighted with a red box and has a red arrow pointing to it from the "Select Access Policies" button.

Select Access Policies

Access policies

# Add new Policies

The screenshot shows the IBM Cloud Access (IAM) interface. On the left, a sidebar menu includes options like Access (IAM), Users, Access groups (which is selected and highlighted in blue), Roles, Service IDs, Authorizations, API keys, and Settings. The main content area displays a group named "DevOps Class". The top navigation bar includes links for Catalog, Docs, Support, Manage (with a dropdown arrow), NYU, and user-specific icons. Below the navigation, there are tabs for Users, Service IDs, Access policies (which is active and highlighted in blue), and Dynamic rules. A message states, "The group does not have any access assigned." A prominent blue button labeled "Assign access +" is centered. A large orange callout box with the text "Select Assign Access" points to this button.

cloud.ibm.com

IBM Cloud

Groups / DevOps Class

Access (IAM)

Users

Access groups

Roles

Service IDs

Authorizations

API keys

Settings

Catalog Docs Support Manage NYU

Actions... Details

The group does not have any access assigned.

Select Assign Access → Assign access +

# Add IAM Services

cloud.ibm.com

IBM Cloud

Groups / Manage group / Assign access to DevOps Class

Assign access group additional access

Depending on your level of access, you can assign IAM access policies.

IAM services

Access to IAM-enabled services

Account management

Access to services like billing, user management, support center, and more

Select IAM Services

All Identity and Access enabled services

What type of access do you want to assign?

This option automatically grants access to new services when added.

Account

Region

Cancel

Access summary

Summary

0 Assignments

added any access.

# Scroll Down (there's more)

The screenshot shows the IBM Cloud interface for managing group access. The top navigation bar includes links for Catalog, Docs, Support, Manage (with a dropdown for NYU), and user profile. The main page title is "Assign access to DevOps Class".

The left sidebar displays two categories: "IAM services" (selected) and "Account management". Below these, a dropdown menu shows "All Identity and Access enabled services" selected, with "in" and "Account" options below it. A "Region" section is partially visible at the bottom.

The right side features an "Access summary" section with a "Summary" tab selected. It shows "0 Assignments" and a note: "You haven't added any access." A large red button with the text "Scroll Down" and a downward-pointing red arrow is overlaid on the interface, indicating there is more content below the current view.

Bottom buttons include "Assign" (grayed out) and "Cancel".

# Assign Platform and Service

The screenshot shows the IBM Cloud Access summary page. On the left, there's a sidebar with a navigation menu and a main content area. The main content area has two sections: 'Platform access' and 'Service access'. Under 'Platform access', the 'Editor' role is selected and highlighted with a red box. Under 'Service access', the 'Writer' role is selected and highlighted with a red box. To the right, a modal window titled 'Access summary' is open, showing a 'Summary' tab and two large red callout boxes. The top box is labeled 'Select Platform Access Editor' and points to the 'Editor' role in the list. The bottom box is labeled 'Select Service Access Writer' and points to the 'Writer' role in the list. At the bottom of the modal are 'Assign' and 'Cancel' buttons.

All regions

Platform access ⓘ

Viewer As a viewer, you can view service instances, but you can't modify them.

Operator As an operator, you can perform platform actions required to configure and operate service instances, such as viewing a service's dashboard.

Editor As an editor, you can perform all platform actions except for managing the account and assigning access policies.

Administrator As an administrator, you can perform all platform actions based on the resource this role is being assigned, including assigning access policies to other users.

Service access ⓘ

Reader As a reader, you can perform read-only actions within a service such as viewing service-specific resources.

Writer As a writer, you have permissions beyond the reader role, including creating and editing service-specific resources.

Manager As a manager, you have permissions beyond the writer role to complete privileged actions as defined by the service. In addition, you can create and edit service-specific resources.

Access summary

Summary

Select Platform Access Editor

Select Service Access Writer

Assign

Cancel

# Scroll Down (there's more)

The screenshot shows the IBM Cloud Access Summary interface. On the left, a sidebar lists roles under 'Platform access' and 'Service access'. A red callout box with the text 'Scroll Down' and a downward-pointing arrow points to the bottom of the 'Platform access' section, where the 'Manager' role is listed. The right side of the screen displays an 'Access summary' section with a summary table and buttons for 'Assign' and 'Cancel'.

cloud.ibm.com

IBM Cloud

All regions

Platform access (i)

Viewer As a viewer, you can view service instances, but you can't modify them.

Operator As an operator, you can perform platform actions required to configure and operate service instances, such as viewing a service's dashboard.

Editor As an editor, you can perform all platform actions required to managing the account and assigning access policies.

Administrator As an administrator, you can perform all platform actions based on the resource this role is being assigned, including assigning access policies to other users.

Service access (i)

Reader As a reader, you can perform read-only actions within a service such as viewing service-specific resources.

Writer As a writer, you have permissions beyond the reader role, including creating and editing service-specific resources.

Manager As a manager, you have permissions beyond the writer role to complete privileged actions as defined by the service. In addition, you can create and edit service-specific resources.

Access summary

Summary

0 Assignments

You haven't added any access.

Assign

Cancel

# Assign Resource Group Access

The screenshot shows the IBM Cloud interface for assigning resource group access. On the left, a sidebar lists roles: Administrator, Reader, Writer (selected), and Manager. Below that, Resource group access is listed with Viewer. At the bottom of the sidebar, there's a 'View all' button. A large red arrow points from a red box containing the text 'Select View All' to the 'View all' button. On the right, the 'Access summary' section shows 0 assignments and a message: 'You haven't added any access.' It includes 'Assign' and 'Cancel' buttons.

IBM Cloud

cloud.ibm.com

Administrator As an administrator, you can perform all platform actions based on the resource this role is being assigned, including assigning access policies to other users.

Service access ⓘ

Reader As a reader, you can perform read-only actions within a service such as viewing service-specific resources.

Writer As a writer, you have permissions beyond the reader role, including creating and editing service-specific resources.

Manager As a manager, you have permissions beyond the writer role to complete privileged actions as defined by the service. In addition, you can create and edit service-specific resources.

Resource group access ⓘ

Viewer As a viewer, you can view service instances, but you can't modify them.

**Select View All**

View all

Reset Add +

Access summary

Summary

0 Assignments

You haven't added any access.

Assign

Cancel

# Add to the Policy

The screenshot shows the IBM Cloud Access summary page. On the left, a list of roles is displayed:

- Writer: As a writer, you have permissions beyond the reader role, including creating and editing service-specific resources.
- Manager: As a manager, you have permissions beyond the writer role to complete privileged actions as defined by the service. In addition, you can create and edit service-specific resources.
- Resource group access (i)
- Viewer: As a viewer, you can view service instances, but you can't change them.
- Operator: As an operator, you can perform platform actions required to configure and operate service instances, such as viewing a service's dashboard.
- Editor: As an editor, you can perform all platform actions except for managing the account and assigning access policies.
- Administrator: As an administrator, you can perform all platform actions based on the resource this role is being assigned, including assigning access policies to other users.

A red box highlights the "Editor" role, and a red arrow points from it to a red box containing the text "Select Resource group access Editor". Another red arrow points from this box to a modal window titled "Select Add". The modal contains two buttons: "Assign" and "Cancel".

**Select Resource group access Editor**

**Select Add**

cloud.ibm.com

IBM Cloud

Catalog Docs Support Manage NYU

Access summary

Summary

You haven't added any access.

Assign

Cancel

# Create the Access Policy

The screenshot shows the IBM Cloud Groups interface for managing access. The top navigation bar includes links for Catalog, Docs, Support, Manage (with a dropdown for NYU), and user profile. The main page title is "Assign access to DevOps Class". On the left, there's a section titled "Assign access group additional access" with a note about assigning IAM access policies. Two options are listed: "IAM services" (selected) and "Account management". Below this, there are dropdown menus for "No service access" and "Account". At the bottom, there are "Reset" and "Add" buttons, followed by a large blue "Assign" button which is highlighted with a red border and a red arrow pointing to it from the top right.

cloud.ibm.com

IBM Cloud

Groups / Manage group /

## Assign access to DevOps Class

Assign access group additional access

Depending on your level of access, you can assign IAM access policies.

IAM services

Access to IAM-enabled services

Account management

Access to services like billing, user management, support center, and more

What type of access do you want to assign?

No service access

in

Account

Select Assign

Remove Edit

Assign

# Assign some Users

The screenshot shows the IBM Cloud Access (IAM) interface. On the left, a sidebar lists various options: Access (IAM), Users, Access groups (which is selected and highlighted with a blue border), Roles, Service IDs, Authorizations, API keys, and Settings. The main content area is titled "Groups / DevOps Class". At the top of this area, there are tabs: Details, Actions..., Users (which is highlighted with a red box and has a red arrow pointing to a callout bubble labeled "Select Users"), Service IDs, Access policies (which is selected and underlined in blue), and Dynamic rules. Below these tabs, a message says "Based on your assigned role, you can click the role to view or edit the policy." A table titled "Policy Details" lists two entries:

Role ↓	Policy Details
Editor 29	All resource group resourceType string equals resource-group
Editor, Writer 31	All resources in account (including future IAM enabled services)

At the bottom right of the main content area, there is a blue button labeled "Assign access +".

# Add Users

The screenshot shows the IBM Cloud Access (IAM) interface for managing users in a group named "DevOps Class".

The left sidebar menu includes:

- Access (IAM)
- Users
- Access groups** (selected)
- Roles
- Service IDs
- Authorizations
- API keys
- Settings

The main content area displays the "DevOps Class" group details. The "Users" tab is selected. A message states: "The group does not have any users assigned." Below this message is a blue button labeled "Add users +".

A large red box highlights the "Select Add Users" text above the "Add users +" button, and a red arrow points from the text to the button.

# Select Your Teammates

The screenshot shows the IBM Cloud Access (IAM) interface. On the left, a sidebar menu lists several options: Access (IAM), Users, Access groups (which is selected and highlighted in blue), Roles, Service IDs, Authorizations, API keys, and Settings. The main content area is titled "Add users to DevOps Class group". It displays a table with columns: User, Email, and Status. A single user, "John Rofrano", is listed with the email "jjr12@nyu.edu" and status "Active". Above the table, a red callout box contains the text "Check to Add Users" with an arrow pointing to the first column of the table where there are two empty checkboxes.

User	Email	Status
<input type="checkbox"/> <input type="checkbox"/>	John Rofrano owner self jjr12@nyu.edu	Active

# Add them to the Access Group

The screenshot shows the IBM Cloud Access (IAM) interface. The left sidebar has a dark background with white text and icons. The 'Access groups' option is selected, highlighted with a blue bar. The main content area shows a title 'Add users to DevOps Class group'. Below it, a message says 'The following list of users can be added to the group.' A table lists one user: 'John Rofrano' (owner, self), with an email of 'jjr12@nyu.edu' and status 'Active'. At the top of the table is a red button labeled 'Select Add to group' with a large orange arrow pointing to it. To the right of the button is another red box containing the 'Add to group' button and a 'Cancel' link.

cloud.ibm.com

IBM Cloud

Groups / Manage group /

## Add users to DevOps Class group

The following list of users can be added to the group.

1 item selected	Select Add to group	Add to group +   Cancel
User	Email	Status
✓ John Rofrano owner self	jjr12@nyu.edu	Active

That's it!