

# Uploading and Saving Networks

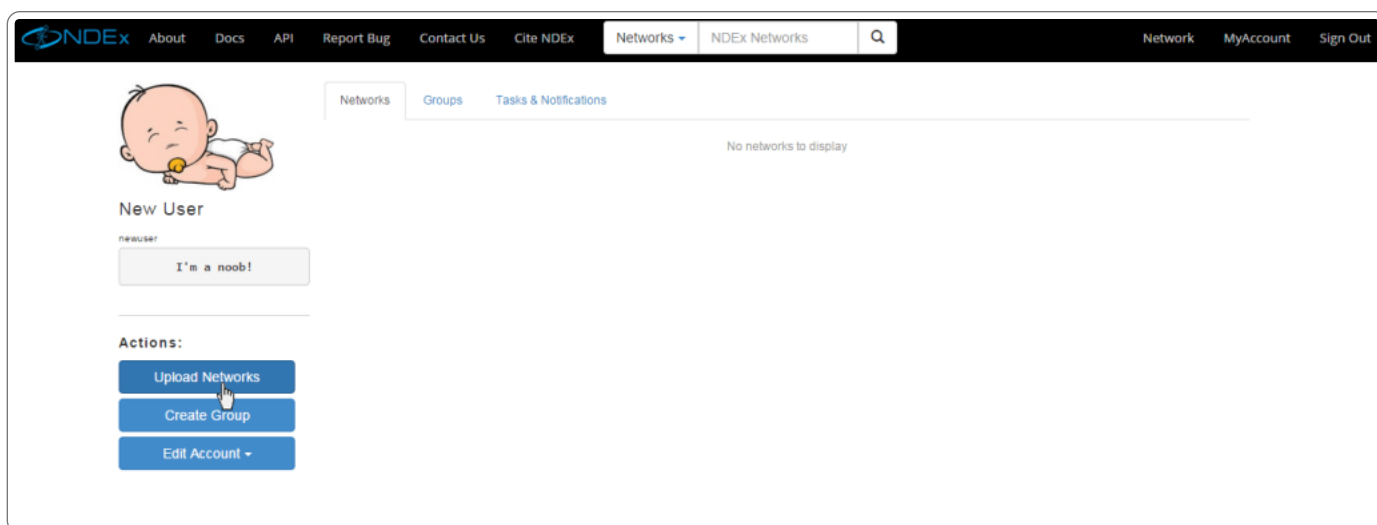
Last updated: September 27th, 2017

There are several ways to upload a network to NDEx: users can upload directly from Cytoscape, can use a programmatic approach or simply upload a file through the web user interface. This guide describes how to load a network to NDEx using the web user interface.

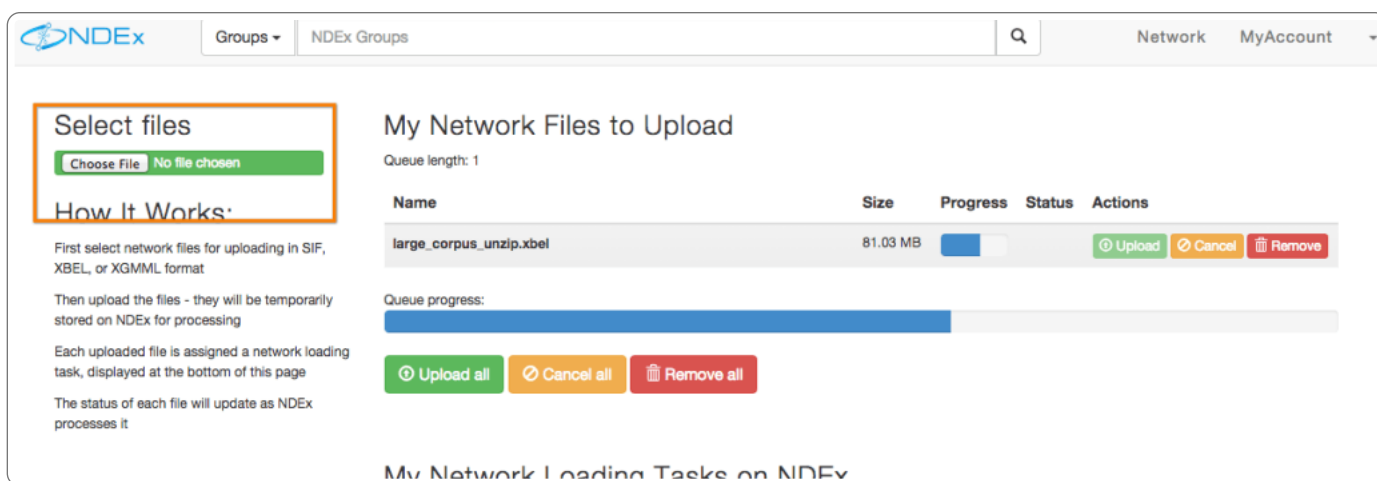
**IMPORTANT NOTE: The screenshots in all our user manuals are for training purposes and might be different from the actual screen output you will obtain when working on the current NDEx version deployed to our public server.**

## Uploading Networks

- At this time, the NDEx web UI only allows the upload of networks in CX format.
- In your MyAccount page, Click the Upload Networks option.



- Select the file to upload by using the Choose file button in the upper left corner



- Click on the green Upload button to begin the process.
- Alternatively, select multiple files and upload them at once by clicking Upload all.

The screenshot shows the NDEx interface with the 'My Network Files to Upload' section. A table lists a file named 'large\_corpus\_unzip.xbel' with a size of 81.03 MB. The progress bar is partially filled, and the status is 'In Progress'. An orange box highlights the 'Upload', 'Cancel', and 'Remove' buttons for this file. Below the table is a 'Queue progress' bar and buttons for 'Upload all', 'Cancel all', and 'Remove all'. On the left, there is a 'Select files' section with a 'Choose File' button and a 'How It Works:' section with instructions.

- Once the process is complete, a new task will be created. The task is a pending action that the NDEx system will resolve.
- You can view a network loading task at the bottom of the screen.

This screenshot shows the same NDEx interface, but the file 'large\_corpus\_unzip.xbel' is now completed. The progress bar is full, and the status is 'Completed'. An orange box highlights the 'Upload all', 'Cancel all', and 'Remove all' buttons. Below this, a new section titled 'My Network Loading Tasks on NDEx' is highlighted with an orange box. It contains a table with one task: 'Loading large\_corpus\_unzip.xbel' with a status of 'QUEUED'. There is an 'Update' button and a 'Delete' icon for this task. The left sidebar remains the same.

- You can also view the status of a task in the Tasks & Notifications tab of your 'My Account' page.

The screenshot shows the 'My Account' page with the 'Tasks & Notifications' tab selected. A red arrow points to a task entry in the 'Tasks' list: 'PROCESS\_UPLOADED\_NETWORK network\_renamed\_from\_KAM\_xgmml completed'. The task has a 'Delete' icon next to it. On the left, there is a 'New User' section with a baby icon and a button 'I'm a noob!'. Below that are 'Actions' buttons: 'Upload Networks', 'Create Group', and 'Edit Account'.

- The status will change during the upload process. When the task is done, you will see the status change to completed. At this point, the network will be in the system and appear at the top of the list in the Networks tab of your " My Account" page.

## Saving a Subnetwork

- A subnetwork (or neighborhood) is the result of a specific query on a larger network. In this example, we select the BEL Small Corpus Document and run a query for "akt1": the system will return a subnetwork consisting of 79 nodes and 79 edges related to the term akt1.
- The query result can be saved as a new network using the Save Query Result function (red arrow).

**BEL Framework Small Corpus Document**  
 Nodes: 1598 Edges: 2174  
 Description: Approximately 2000 hand curated statements drawn from 57 PubMeds  
 Reference:  
 Version: 1.2 PUBLIC  
 Read Only  
 Created: Feb 28, 2016  
 UUID: a957241f-de6d-11e5-a839-06832d63441  
 Your Access Privileges: Admin  
 Other Admins: None  
 BEL Namespaces: Not Archived

**Query Result**  
 nodes: 79 edges: 79

**Actions:**

- Edit Network Profile
- Export Network
- Manage Access
- Archive BEL Namespaces
- Save Query Result
- Delete Network

← Back To Original Network

Subject	Predicate	Object	Citations	Cardiovascula
path(MESH: Atherosclerosis)	positiveCorrelation	bp(GO: lipid oxidation)	1	Arteries
path(MESH: Atherosclerosis)	positiveCorrelation	bp(GO: protein oxidation)	1	Arteries
a(CHEBI: L-arginine)	decreases	path(MESH: Atherosclerosis)	1	
p(HGNC: AKT1, pmod(P, T, 308))	directlyIncreases	kin(p(HGNC: AKT1))	1	
p(HGNC: AKT1, pmod(P, S, 473))	directlyIncreases	kin(p(HGNC: AKT1))	1	

- The new network is now visible at the top of the list in the on the user's "My Account" page.

**Networks** Groups Tasks & Notifications

Network Name	Format	Nodes	Edges	Visibility	Owned ..	Last Modified
BEL Framework Small Corpus Document: Simple Query, Terms = akt1 at ...	BEL	79	79	PRIVATE	ndextuto...	Feb 28, 2016
BEL Framework Small Corpus Document	BEL	1598	2174	PUBLIC	ndextuto...	Feb 28, 2016
Metabolism of RNA	SIF	361	4344	PUBLIC	ndextuto...	Feb 27, 2016
Metabolism of proteins	SIF	2380	11724	PUBLIC	ndextuto...	Feb 27, 2016
Metabolism	SIF	4231	17253	PUBLIC	ndextuto...	Feb 27, 2016
Biosynthesis of sterols	BIOPAX	267	382	PUBLIC	ndextuto...	Feb 26, 2016
Hox_NVC4 - CX format	Unknown	32	33	PUBLIC	ndextuto...	Feb 26, 2016
Calmodulin induced events	SIF	11	27	PUBLIC	ndextuto...	Feb 26, 2016
BEL Framework Small Corpus Document	BEL	37	37	PUBLIC	ndextuto...	Feb 26, 2016
Hox_NVC4	XGMML	32	33	PUBLIC	ndextuto...	Feb 26, 2016

**Actions:**

- Upload Networks
- Create Group
- Edit Account

## Editing the Network Profile

- As an admin of the new network you just saved, the signed-in user can modify the network profile information. To do so, click the new subnetwork you just saved and select the "Edit Network Profile" function.

**BEL Framework Small Corpus**  
**Document: Simple Query, Terms = akt1 at Depth 1**  
 Nodes: 79 Edges: 79

PRIVATE  
 Read Only

Created: Feb 28, 2016  
 UUID: ebe87873-de7c-11e5-a839-06832d634f41

Your Access Privileges: Admin  
 Other Admins: None  
 BEL Namespaces: Not Archived

**Actions:**

- Edit Network Profile
- Export Network
- Manage Access
- Archive BEL Namespaces
- Delete Network

Network Terms:  Depth: 1-step  [Advanced Query](#)

Edges	Nodes	Provenance		
Subject	Predicate	Object	Citations	Cardiovascula
path(MESH: Atherosclerosis)	positiveCorrelation	bp(GO: lipid oxidation)	1	Arteries
path(MESH: Atherosclerosis)	positiveCorrelation	bp(GO: protein oxidation)	1	Arteries
a(CHEBI: L-arginine)	decreases	path(MESH: Atherosclerosis)	1	

- Besides changing the network name, adding a description, a publication reference and a version number, you can also control the visibility and accessibility of a network that you administrate.
- By default, your new subnetwork will be **PRIVATE**: this means you are the only one who can see it and the network will not be displayed when any other user runs a search.
- You can change the visibility to **PUBLIC** if you want the network to be readable by anyone, even anonymous users (users that are not logged in to an NDEX account.)

**Edit Network Profile**

Name:

Description:

Reference:

Version:

Visibility: