

NBIA 6.4 Release Announcement

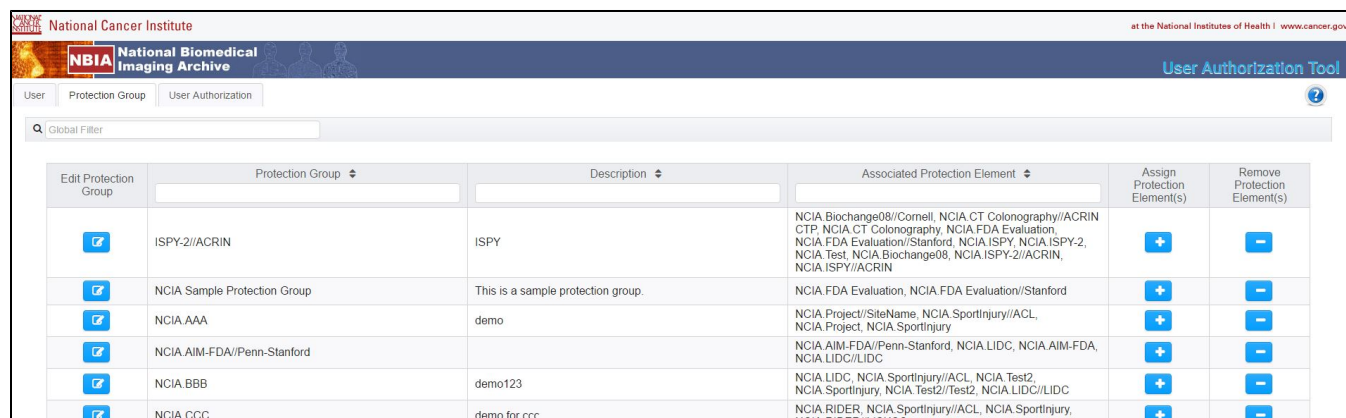
The NBIA team is pleased to announce the release of version 6.4 of the [National Biomedical Imaging Archive \(NBIA\)](#). This release provides the following features and enhancements, which are briefly described on this page.

- [Integrated User Authorization Toolkit](#)
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Integrated User Authorization Toolkit

The CSM/UPT toolkit dependency has been removed from NBIA and has been replaced with an integrated user authorization tool. This has the following benefits:

- Greatly simplifies installation by no longer requiring the installation and configuration of UPT.
- Allows access to user authorization directly from within the portal.
- The tool uses the new paradigm of a REST API hooked into the front end, allowing developers to build their own interfaces with the API,
- Uses Angular 2 for the front end for a modern look and feel.



Edit Protection Group	Protection Group	Description	Associated Protection Element	Assign Protection Element(s)	Remove Protection Element(s)
	ISPY-2//ACRIN	ISPY	NCIA Biochange08//Cornell, NCIA CT Colonography//ACRIN CTP, NCIA CT Colonography, NCIA.FDA Evaluation, NCIA.FDA Evaluation//Stanford, NCIA.ISPY, NCIA.ISPY-2, NCIA Test, NCIA Biochange08, NCIA.ISPY-2//ACRIN, NCIA.ISPY//ACRIN		
	NCIA Sample Protection Group	This is a sample protection group.	NCIA.FDA Evaluation, NCIA.FDA Evaluation//Stanford		
	NCIA.AAA	demo	NCIA Project//SiteName, NCIA.SportInjury//ACL, NCIA Project, NCIA.SportInjury		
	NCIA.AIM-FDA//Penn-Stanford		NCIA.AIM-FDA//Penn-Stanford, NCIA.LIDC, NCIA.AIM-FDA, NCIA.LIDC//LIDC		
	NCIA.BBB	demo123	NCIA.LIDC, NCIA.SportInjury//ACL, NCIA.Test2, NCIA.SportInjury, NCIA.Test2//Test2, NCIA.LIDC//LIDC		
	NCIA.CCC	demo for ccc	NCIA.RIDER, NCIA.SportInjury//ACL, NCIA.SportInjury, NCIA.RIDER//MSKCC		

Replacement of JBoss with Tomcat

NBIA is now run on the Tomcat server. Changing to Tomcat allows for

- removal of all licensing issues associated with JBoss,
- simplified application deployment and administration,
- deployment to the most widely used application servers, and
- complex JEE modules have been replaced with simplified code using Spring.



Improved QC Workflow Flags

New flags have been added to the QC Tool to improve workflow. This includes:

- Configurable flag names
- Released flag
- Batch number that can be set via CTP
- Confirmed as complete

SEARCH CRITERIA

QC Status

☐ Not Yet Reviewed
☐ Visible
☐ Not Visible
☐ To Be Deleted
☒ First Review
☐ Second Review
☐ Third Review
☐ Fourth Review
☐ Fifth Review
☐ Sixth Review
☐ Seventh Review
☐ Downloadable

Collection(s)

Test//Test

Released?

Additional Flags:

Batch Number:

Confirmed as COMPLETE?

Patient ID

Most recent submission date

From:

To:

SUBMIT

QC Images by Series

CHECK ALL

UNCHECK ALL

Results Per Page: 10

2 series found, displaying 2 records, from 1 to 2. Page 1 / 1

	Submission date	Trial ID	Collection//Site	Patient	Study	Series	Series Description	Modality	Visibility	Thumbnails	DICOM Viewer
<input type="checkbox"/>	03/15/2011 11:54:11 AM	1335656448	Test/Test	QIN-0001	1.3.6.1.4.1.9328.50.99.158967312129487733823739945169905367367	1.3.6.1.4.1.9328.50.99.7923817867082896707583990798302037596		CT	First Review	View	View
<input type="checkbox"/>	04/07/2011 08:36:13 AM	1335656448	Test/Test	Project-3463513767	88.8.202573618208581870722081343347438256529	88.8.94020497455494700397324452959115847066		MR	First Review	View	View

Perform Bulk QC Operations

New Status

☐ Not Yet Reviewed
☐ Visible
☐ Not Visible
☐ To Be Deleted
☐ First Review
☐ Second Review
☐ Third Review
☐ Fourth Review
☐ Fifth Review
☐ Sixth Review
☐ Seventh Review
☐ Downloadable

Batch Number:

Confirmed as COMPLETE?

Released?

Integrated REST API

The search screens within NBIA have been updated to use an open API to perform their operations. This OAuth2-secured API can be used by application developers to create their own front ends for the NBIA business logic using any tool they choose.

Drill down to studies and series

The API takes a list of series to display

```
Form form = new Form(); // Add all selected series to the list
for (Integer dcriteria:criteria){
form.add("list",dcriteria.toString());
}
```

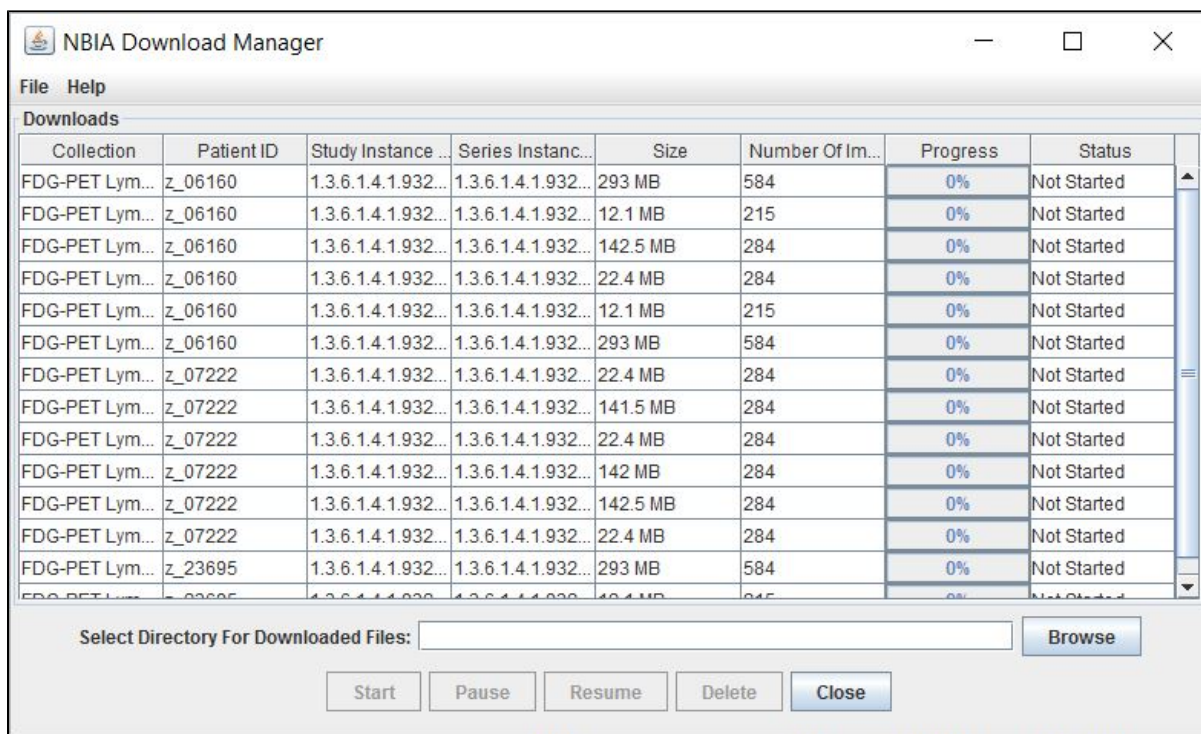
JSON is returned (each series is included)

```
[{"studyId": "88.8.40100432719994870453539459050137164864",
"date": 671515200000,
"description": "CT CHEST W/O CONTRAST",
"id": 1310720,
"seriesList": [{
"seriesNumber": "3",
"seriesUID": "88.8.326983478845196402838719404831299211067",
"numberImages": 9,
"modality": "CT",
"manufacturer": null,
"annotationsFlag": false,
"annotationsSize": 0,
"patientId": "Project-3076386612",
"patientPkId": "1277952",
"studyId": "88.8.40100432719994870453539459050137164864",
```

There can be multiple studies

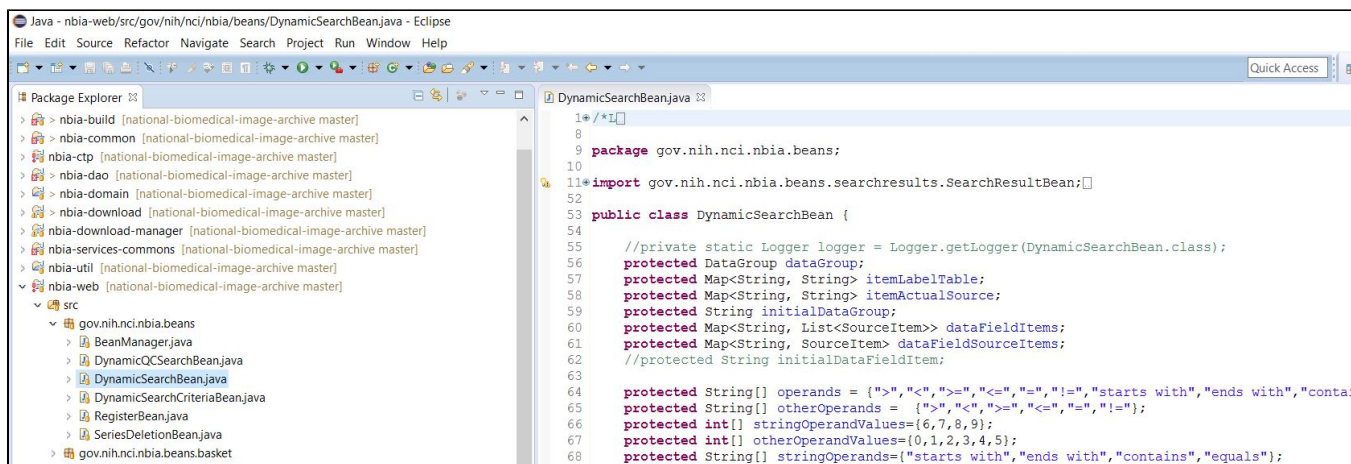
Sorting for Download Manager

Download Manager now sorts the series. This allow users to better distinguish which series have already been downloaded.



caGrid Code Cleanup

All caGrid code and artifacts have been removed from NBIA. This cleanup simplifies the environment and lowers the learning curve for new developers.



Java 8 Update

The new version of NBIA runs on Java 8, allowing the application to use the latest security and support from Java.



Manage Shared List API

A secure REST API for creating and deleting shared lists has been added. This allows the management of Shared Lists from other tools.

Create Shared List API

The Create Shared List API allows the creation of a shared list.

The API takes four arguments:

- list - A repeatable parameter for each series you wish to have in the shared list
- name- Name for the shared list
- description - Description of the shared list
- url - Url of the shared list

Example Create Shared List

```
curl -H "Authorization:Bearer 5e3d3b2a-2533-4257-ba76-aa498ab8d269" -k "ht
```

Delete Shared List API

The Delete Shared List API allows the deletion of a shared list.

The API takes one argument:

- name- Name for the shared list

Example Delete Shared List

```
curl -H "Authorization:Bearer 5e3d3b2a-2533-4257-ba76-aa498ab8d269" -k "ht
```

Documentation and Support

Detailed [release notes](#) and a [user's guide](#) is available.

For groups interested in installing NBIA 6.4 locally, consult the [NBIA 6.4 Installation Guide](#).

Getting Support

- Email: NCIAppSupport@nih.gov
- Call: 240-276-5541