Basic Dataverse Training for Astronomy

August Muench, CfA 2012

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Dataverse is a collaboration of

Hands-on Tutorial: Create a Dataverse

Follow steps in this section to create your own Dataverse

Dataverse URLs

- Experiment in the "demo" version of the Dataverse Network:

  http://dvn-demo.iq.harvard.edu/dvn

- Create a real Dataverse in the "production" version of the Dataverse Network:

  http://dvn.iq.harvard.edu (Social Sciences)

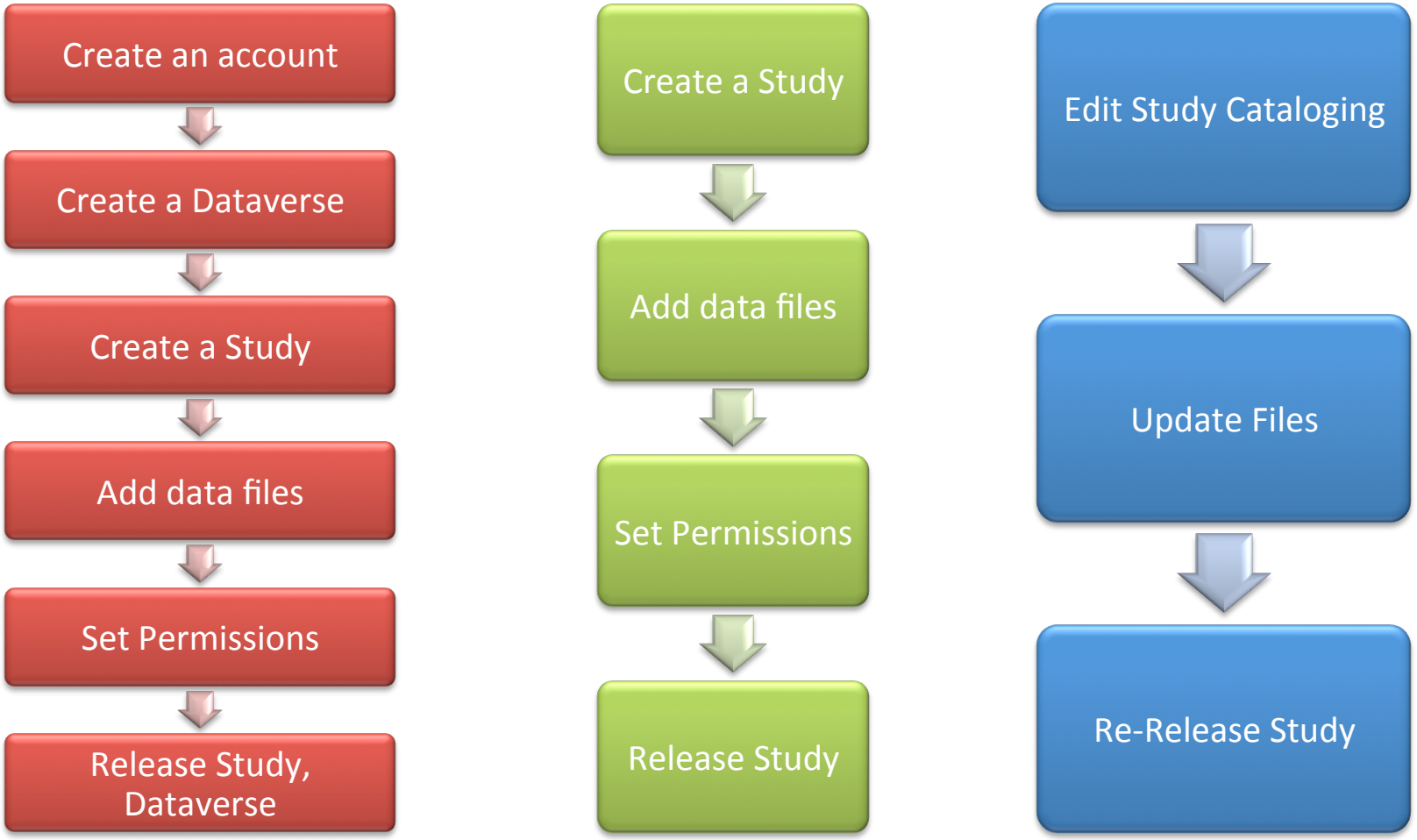
  http://theastrodata.org (Astrophysics)

For More Information

- Digital Scholarship @Harvard
  http://ds.hul.harvard.edu/ds
  - Schedule of Events
  - Handouts
  - Slides
  - Other resources

- Dataverse Support
  dvn_support@help.hmdc.harvard.edu (*registration, bugs, technical help*)
  theastrodata@cfa.harvard.edu (*astronomy user community list*)
    - *To join email majordomo@cfa.harvard.edu with body text as "subscribe theastrodata"*

Dataverse Workflow(s)



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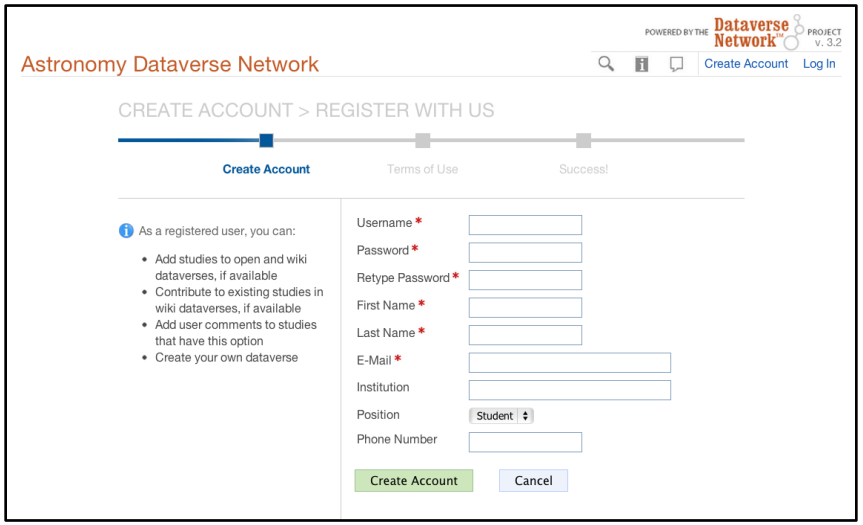
Create an Account

1. Go to the Dataverse Network
   - Demo: http://dvn-demo.iq.harvard.edu/dvn
   - Real: http://theastrodata.org
2. Select "**Create Account**"
3. Complete account form.
4. Log in.



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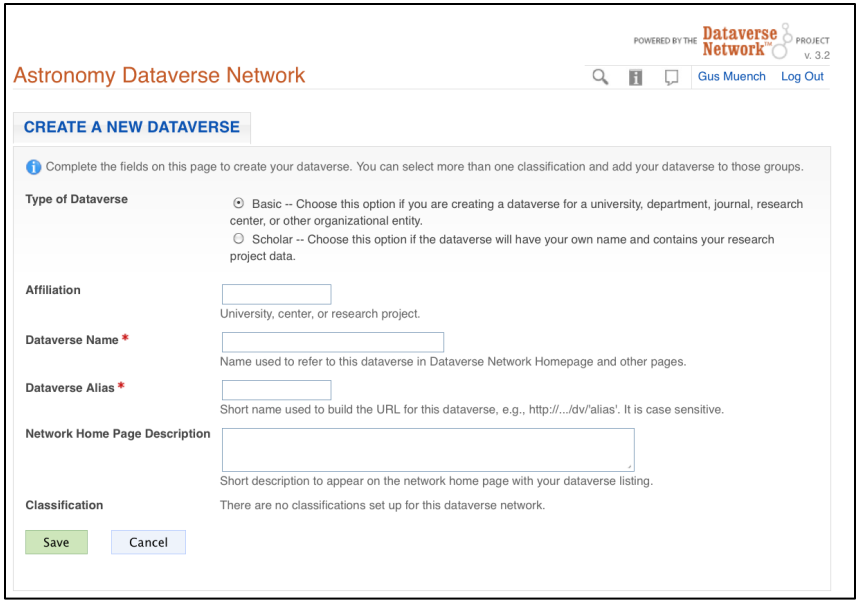
Create Dataverse

1. Go to the Dataverse Network
   - Demo: http://dvn-demo.iq.harvard.edu/dvn
   - Real: http://theastrodata.org
2. Select "**Create a Dataverse**" (*)
3. Choose Dataverse "*Type*"
   - "*scholar*" for branding as individual;
   - "*basic*" if institution or project.
4. Complete form; **Save**.
5. URL to your Dataverse is emailed to you.
   - Bookmark this URL.
     It is your Dataverse homepage



(*) If the "Create a Dataverse" button is not present then go to:
http://theastrodata.org/dvn/faces/site/AddSitePage.xhtml

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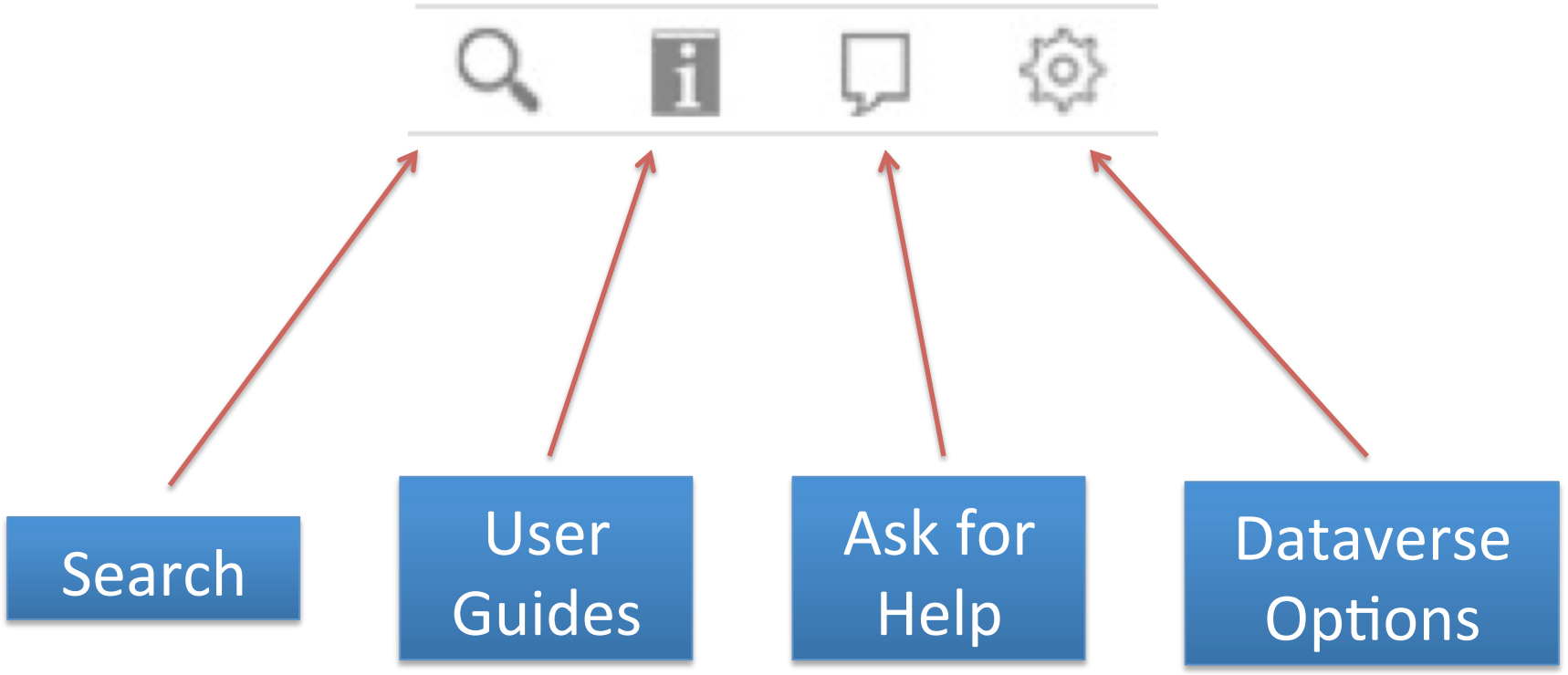
Key to Dataverse Options Menu



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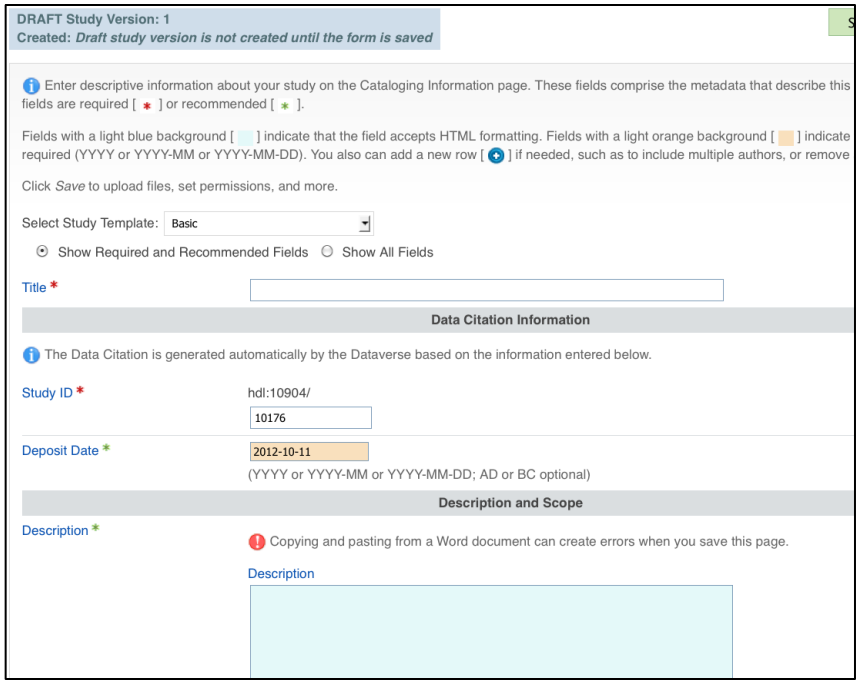
Create a Study

1. Go to your Dataverse homepage and click the Dataverse **Options Icon**.
2. Click "**Create Study**".
3. Enter a *title*.
4. A *study ID* is automatically created.
5. Click **Save**.



Note: *Title* is the minimum requirement, but additional catalog information should be provided!

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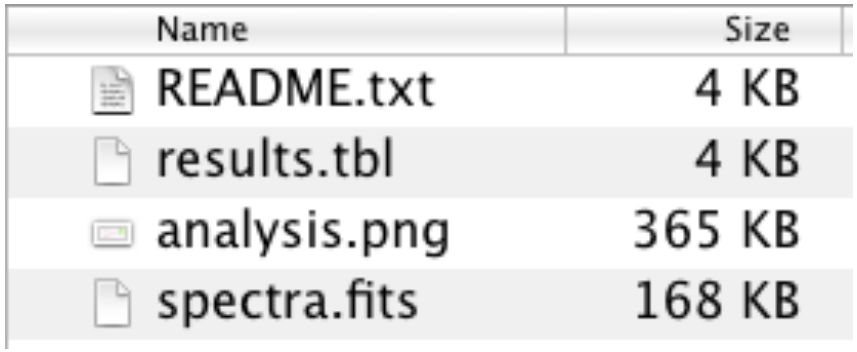
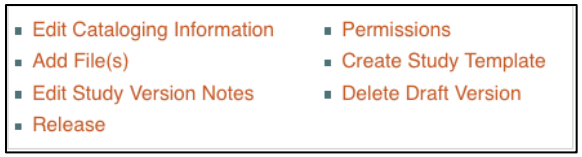
Example Dataset

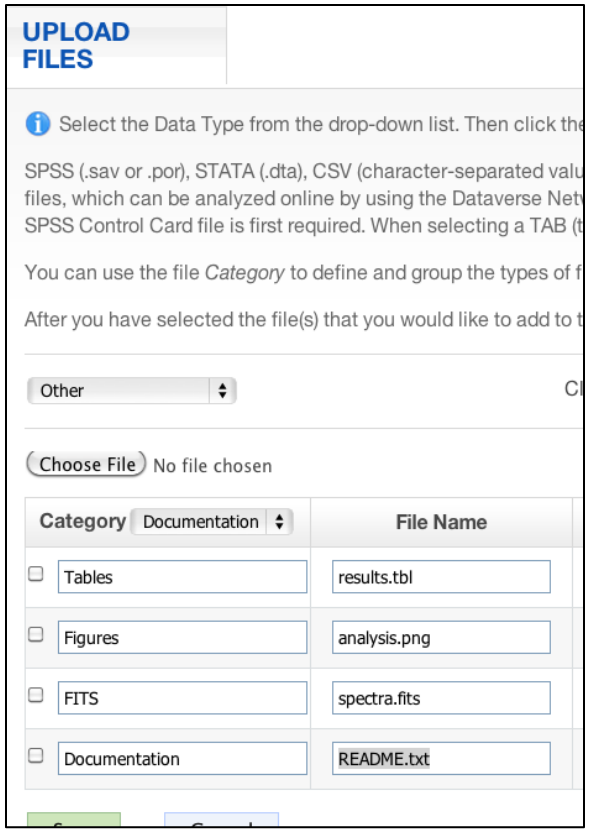
- You can download an example dataset from
  - http://bit.ly/astrodvnex01
- It contains:
  - README.txt
  - spectra.fits
  - analysis.png
  - results.tbl



Add Data & Documentation Files (1)

1. View the study you will add data files to.
2. Click the "**Add File(s)**" link in the Action box on the right.
3. Select the "**Choose a Data Type**":
   - Use "*Other*" for all Astronomy data.
4. Click "**Browse**" & upload a file from your local system.
5. Enter a file "*Category*" for grouping related files within a study:
   - e.g., Documentation, FITS, Image, Tables.
6. Enter a "*Description*" for each file (optional).
7. Click "**Save**" to retain uploaded file(s).





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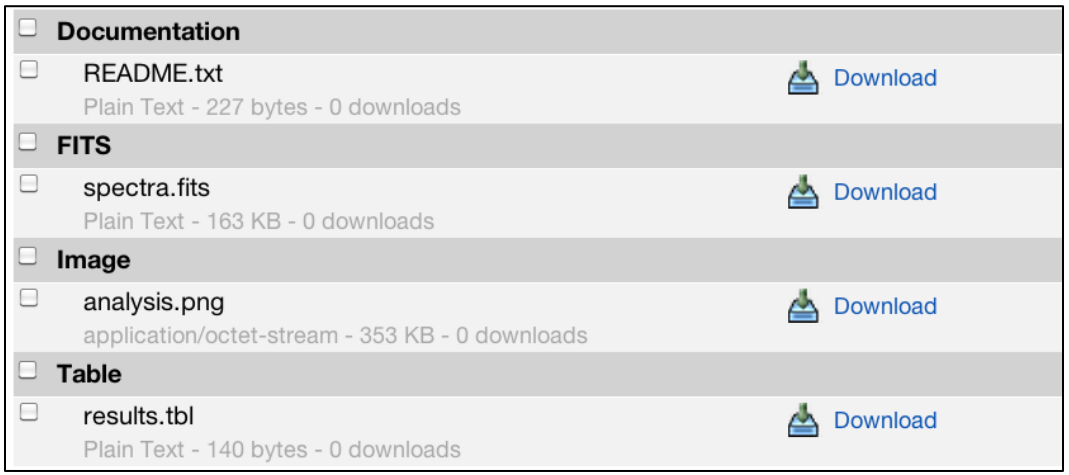
Add Data & Documentation Files (2)

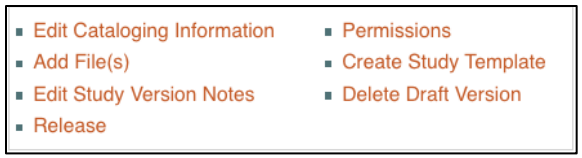
Repeat for all files in dataset:

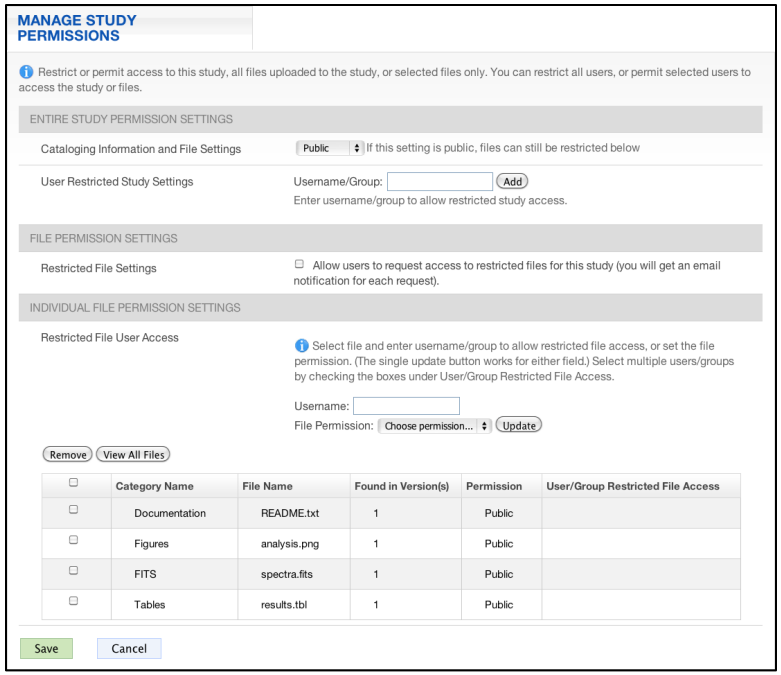
- Make sure to use the correct "*Data type*".
- Click "**Save**" when finished.
- Categories, descriptions, and additional files can also be added later.



Study Permissions

1. View the active study and click the "**Permissions**" Option in the Action box.
2. Two levels of permission are available:
   - *Entire Study*
   - *Individual File*
3. Allow users to request access to restricted files.





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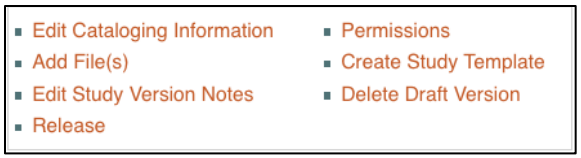
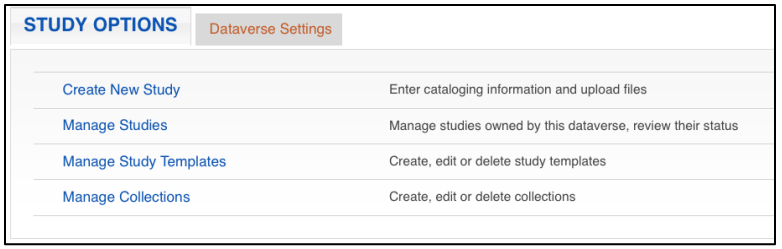
Release The Study

- If viewing the study to be released, click the "**Release**" link in the Action box on the right side..

- Another way to release a study is from the "*Manage Study*" page:
  - Go to your Dataverse home page.
  - Click on the Dataverse **Options Icon**.
  - Click "**Manage Studies**".
  - Click on the "**Release**" link on study's row entry (the far right of the table).





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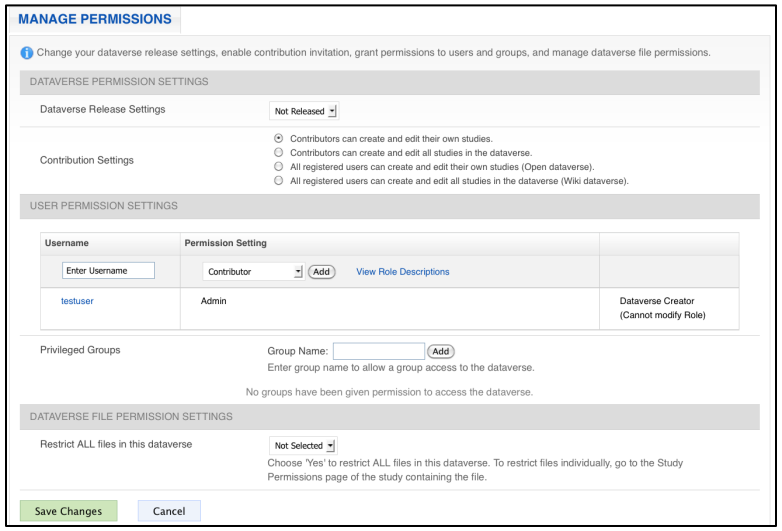
Release the Dataverse

Releasing a Dataverse is as simple as changing the status to released:

1. Navigate to the Dataverse homepage.
2. Click on the "Dataverse options" gear **icon.**
3. Click on the "**Dataverse Settings**" tab.
4. Click on "**Manage Permissions**".
5. At the top of the page, under "*Dataverse Permissions*", change the status to "*Released*".
6. Click "**Save**".



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Released, published, & searchable

- You Dataverse is now released and appears on the network homepage for browsing by others.
- Studies in the Dataverse are now searchable from the network homepage. By this definition the data is now “published.”
- Any subsequent editing, including adding files, will create a new draft “version” with those changes until that too is released.
- Updates increment the study version number.
- “Versioning” is an advanced topic to be discussed later.