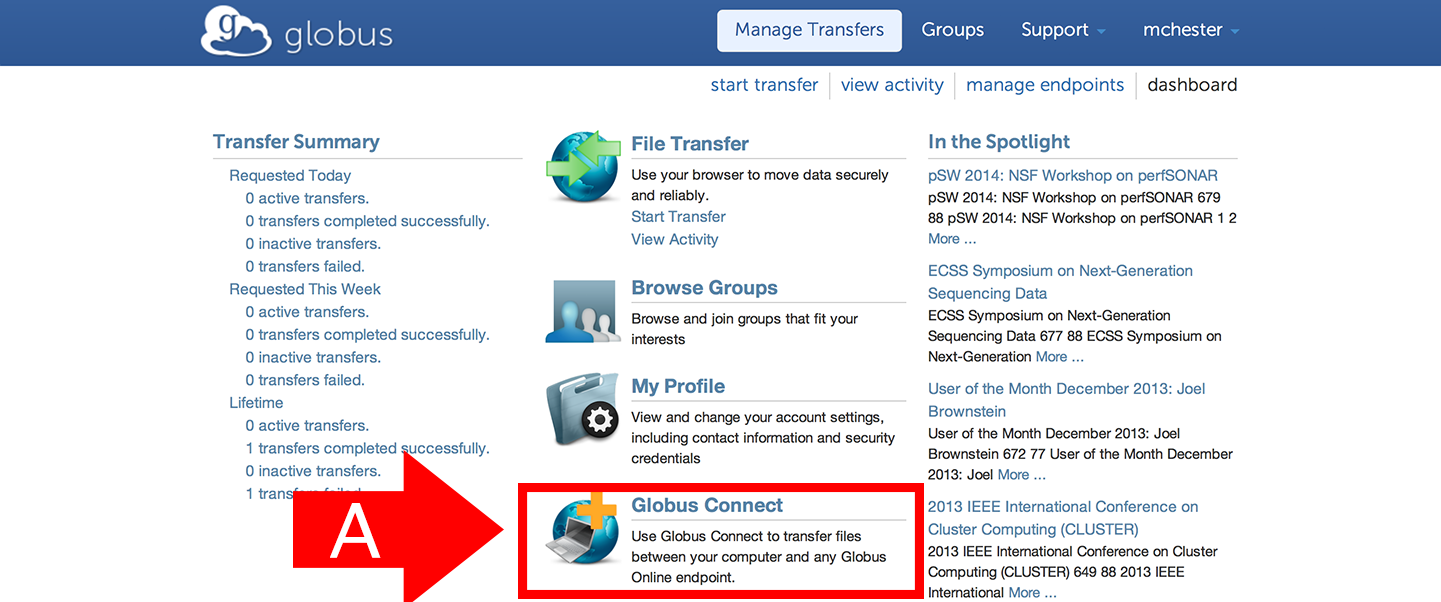
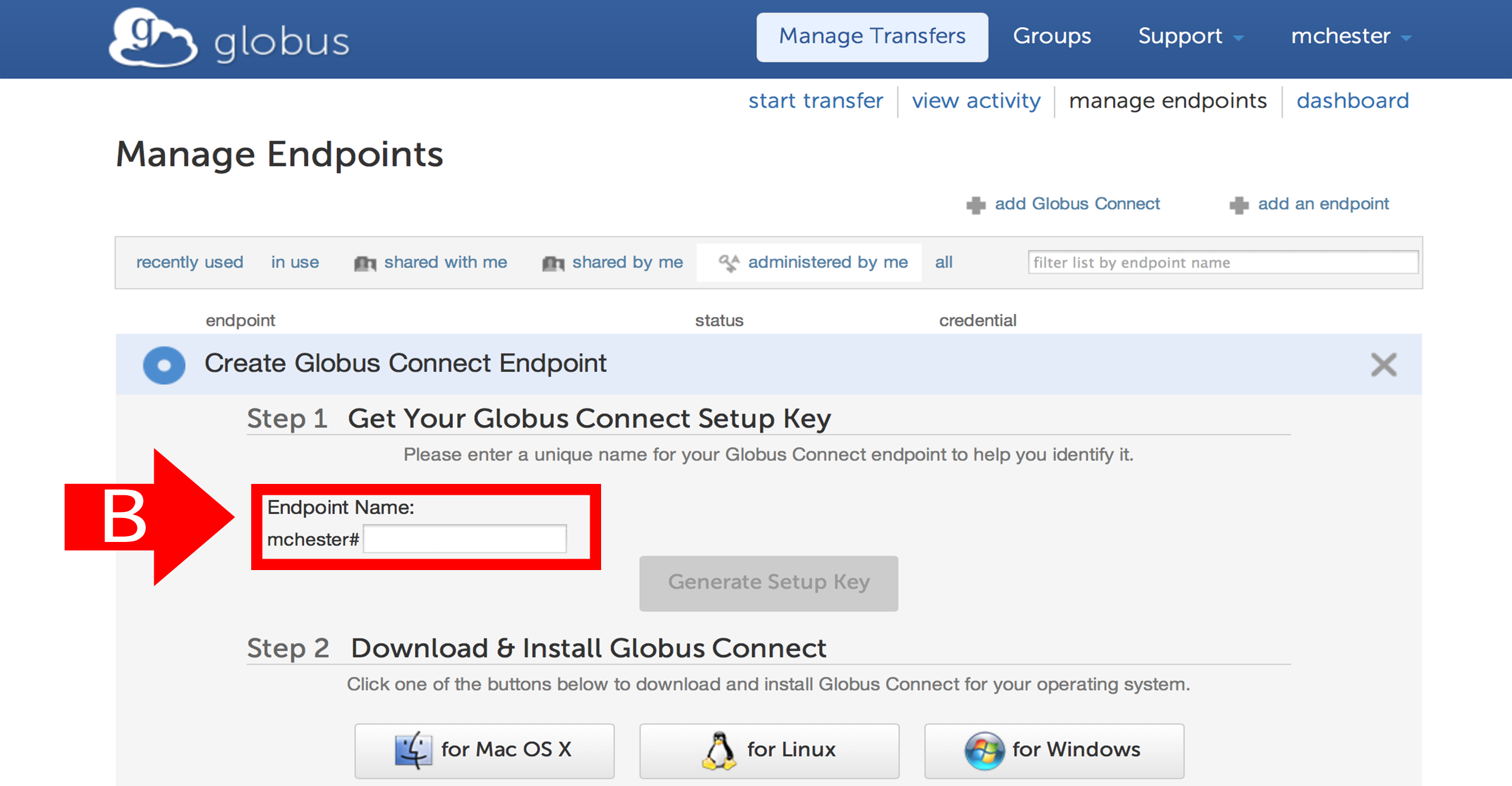
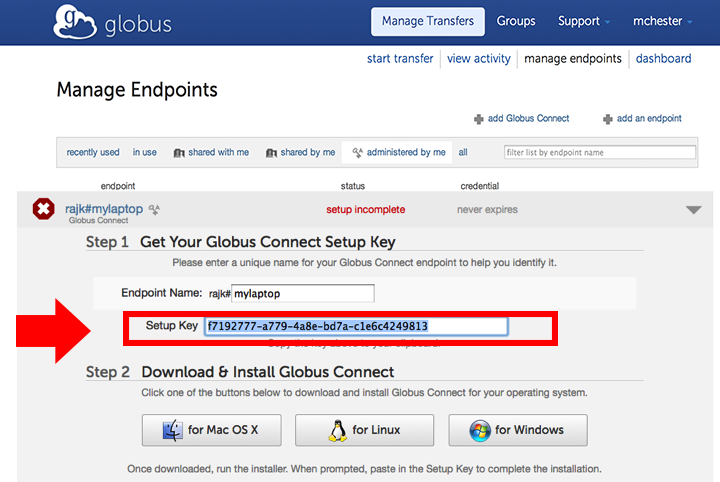
How To Use Globus for ESnet Performance Testing

1. Go to <http://www.globus.org> and click “Sign Up” to create a Globus account or “Log In” if you already have an account.
2. Once signed in, select **Globus Connect** (A) and choose what you would like your computer to be called, as it will represent the destination for your data, also called an endpoint (B)—i.e., username#mycomputer. (Please note that your endpoint name only needs to be submitted once on this page. If you see a second prompt for this, you can ignore it.)

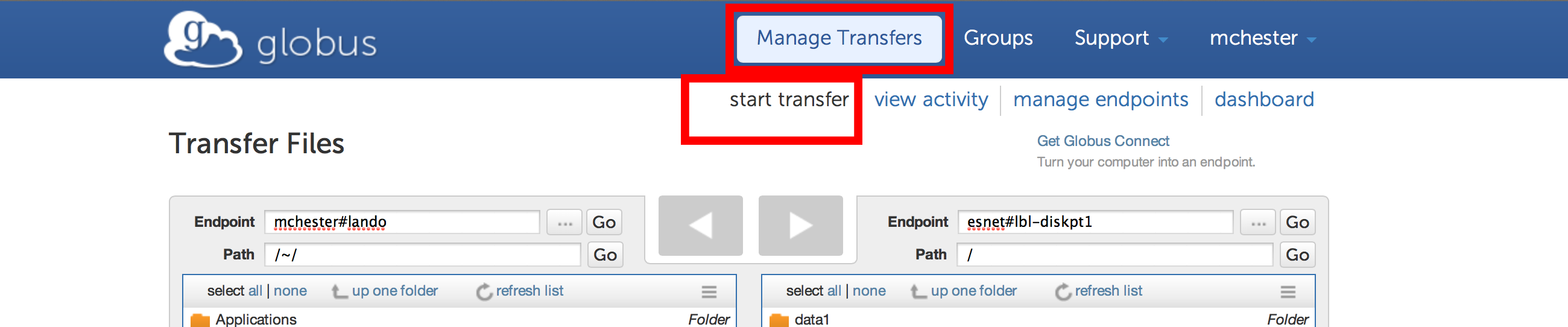




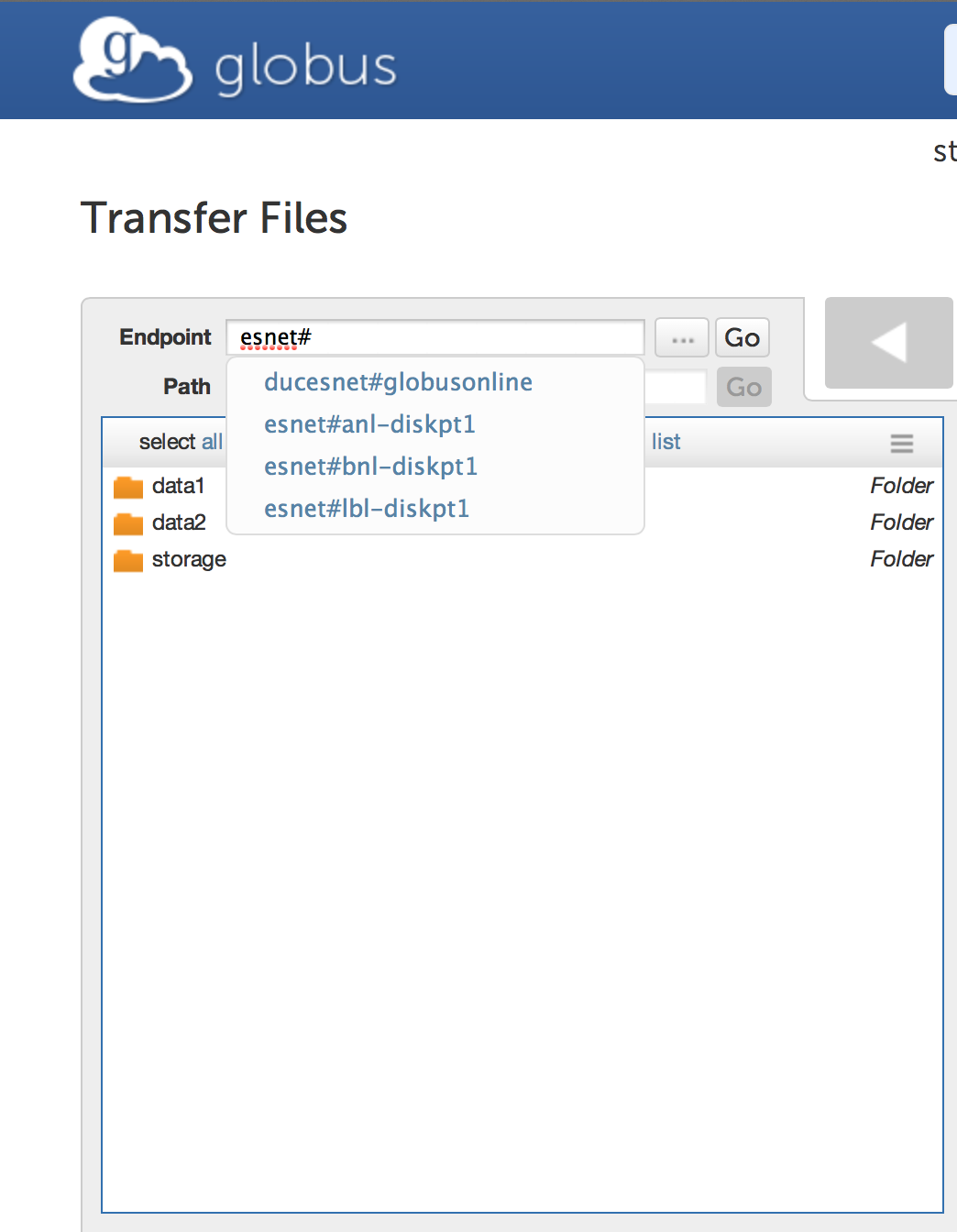
1. Once you create your endpoint name, click **Generate Setup Key**. **Copy** this generated key. Continue to download and install the appropriate software for your operating system: Windows, Mac, or Linux. When prompted, paste the **setup key** *from your computer*.



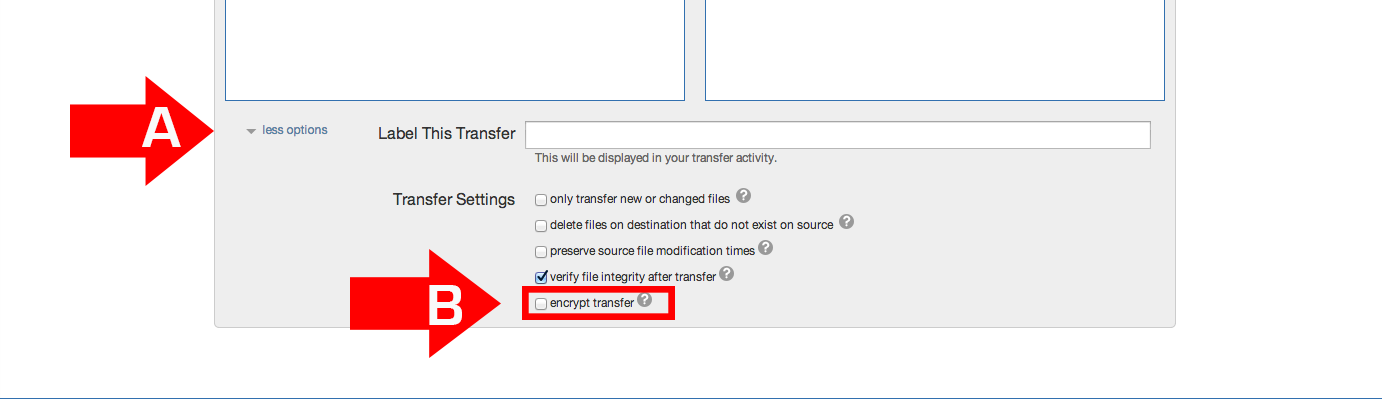
1. Now, from the Globus website go to **manage data🡪start transfer**.



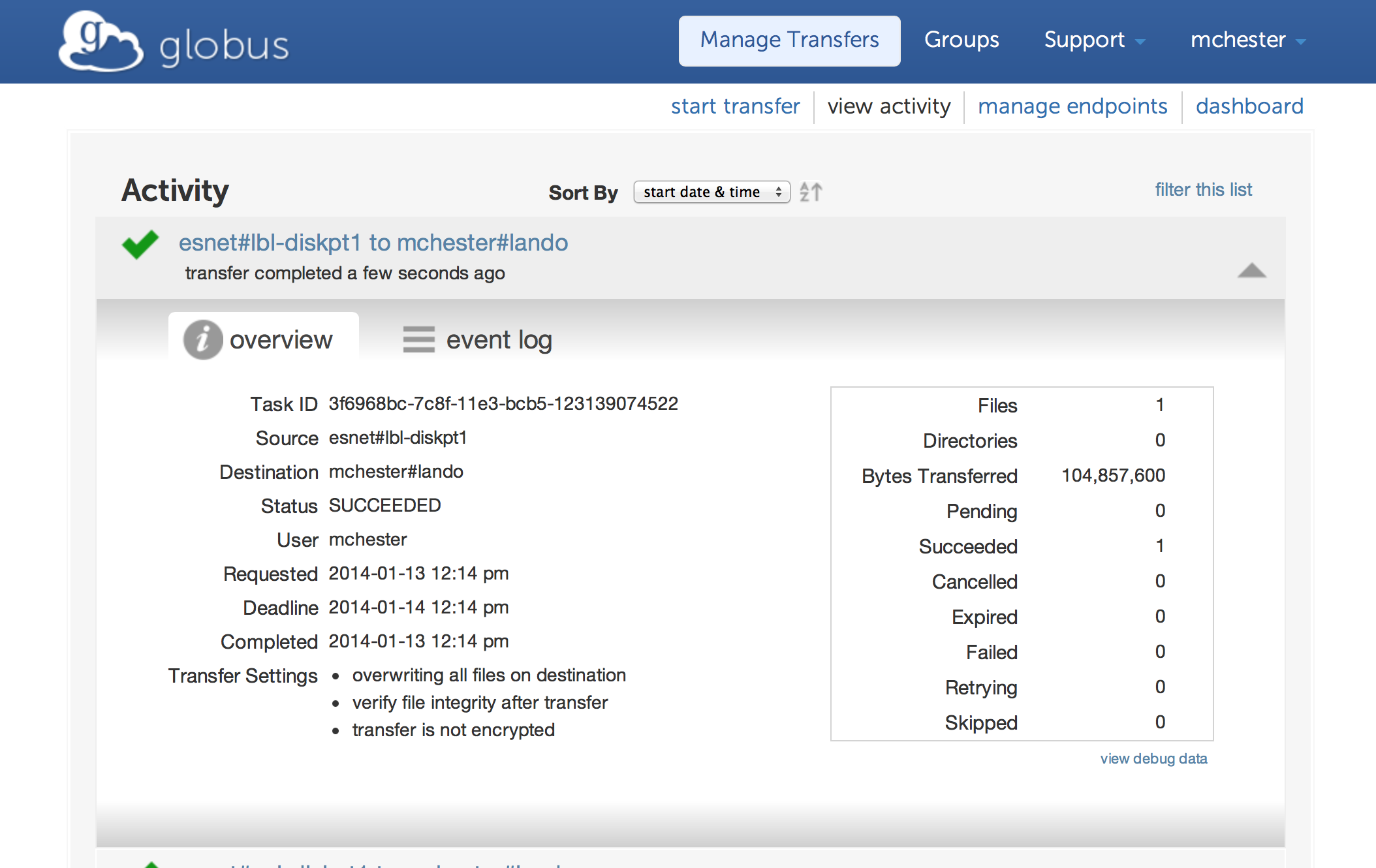
1. In the left-hand column type **esnet#** into the endpoint field. An expanded list will appear and you can select one of three ESnet endpoints at Argonne National Lab, Brookhaven National Lab, or Lawrence Berkeley National Lab: esnet#anl-diskpt1, esnet#bnl-diskpt1, or esnet#lbl-diskpt1. Choose one and select **GO**.



1. Select the data files or folders you wish to transfer. Double click on the folders to expand them. You can transfer .dat files or folders of various sizes up to hundreds of gigabytes.
2. Now, in the right-side column enter your endpoint name (this is your username#mycomputer you chose in step 3).
3. Select which file (i.e., your Desktop folder) you would like the data to be placed.
4. OPTIONAL: If you wish to encrypt your files in transport, select **more options** (A) at the bottom left side of the column and select the **encrypt transfer** (B) box under Transfer Settings.



1. OPTIONAL: Choose a name for your transfer and enter it into **Label This Transfer** (next to A in step 12) to help track your data activity, otherwise a default label will be given to your transfer (i.e., b62e4498-deb7-11e2-9843-123139404f2e).
2. Press the right arrow to transfer to your computer.
3. The data transfer progress can be found under **manage data🡪view activity**. (You will receive an email when the data transfer is complete.) Transfer performance can be found here for total transfer time, bytes transferred, any failed/skipped transfers, etc.



1. FOR BEST RESULTS: While the data is transferring to your computer, please turn off your sleep mode. Also, if you are using a pop-up blocker like Ghostery, please turn this off. It may cause problems while downloading the software.
2. If you have any problems, please submit a request via the **Support tab🡪 Contact Us** located at the top navigation on the globus.org pages or email: [engage@es.net](mailto:engage@es.net).
3. To perform future data transfers, repeat steps 6–13.