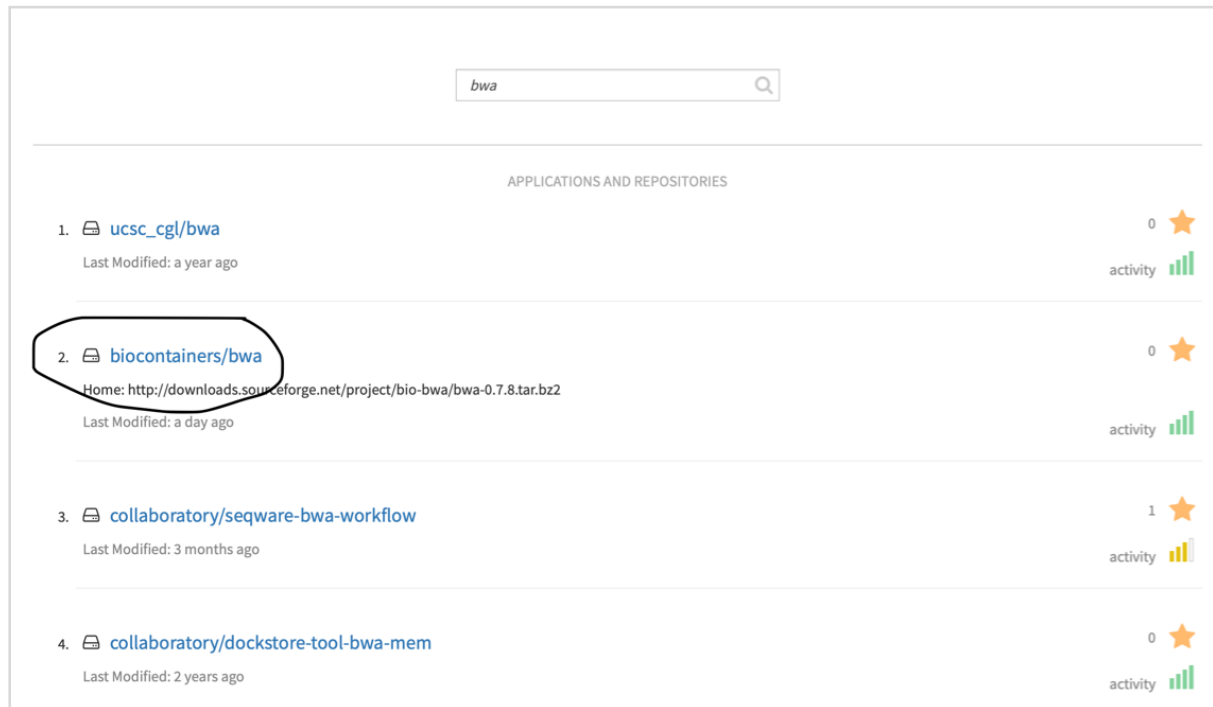


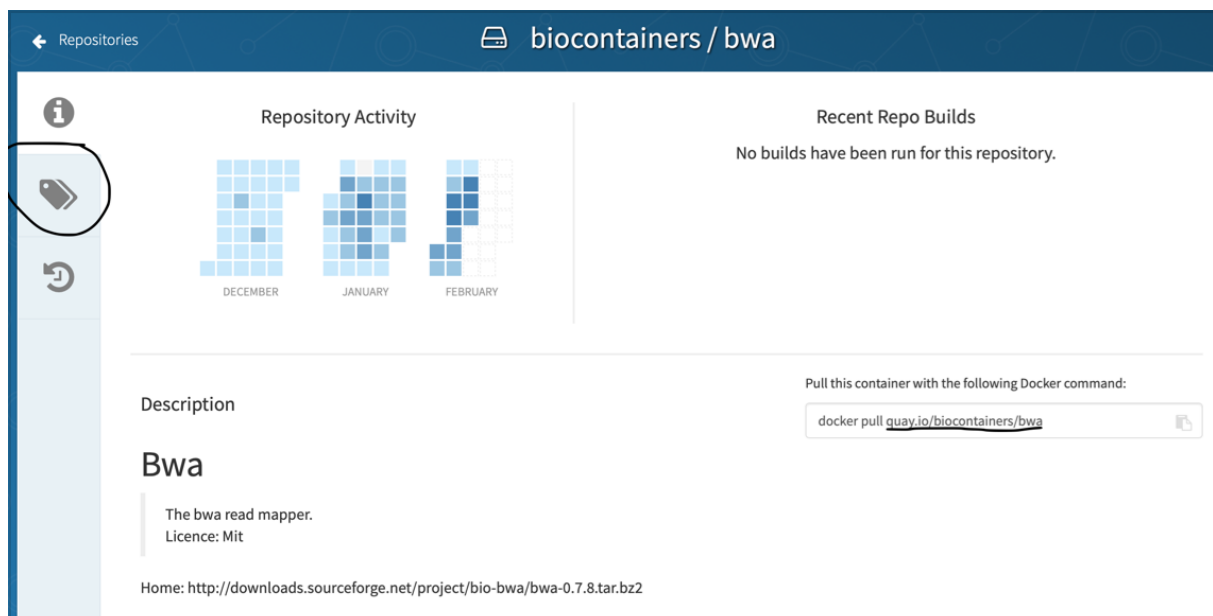
Using biocontainers

The best place to search for biocontainers at the moment is at [Quay](#) - use the containers from the biocontainers account. They have a website but it's super buggy and the search functionality is terrible.

Click the biocontainers package.



Take note of the [quay.io](#) address for the container. Then click on on the tags.



Find the version you want. Sometimes these tags will also specify versions of python within the container too.

Repository Tags						Compact	Expanded
<input type="checkbox"/> ▼ 1 - 25 of 26 < > <input type="text" value="Filter Tags..."/>							
TAG	LAST MODIFIED ↓	SECURITY SCAN	SIZE	EXPIRES	MANIFEST		
<input type="checkbox"/> <u>0.7.3a--h84994c4_4</u>	a day ago	Unsupported	9.9 MB	Never	SHA256 e32c7c480b68		
<input type="checkbox"/> 0.7.17--h84994c4_5	2 days ago	Unsupported	28.7 MB	Never	SHA256 516c0f9c1082		
<input type="checkbox"/> 0.7.3a--h84994c4_3	11 days ago	Unsupported	9.9 MB	Never	SHA256 0145d4017537		
<input type="checkbox"/> 0.7.8--h84994c4_3	11 days ago	Unsupported	10.0 MB	Never	SHA256 f12b8cf6e68		
<input type="checkbox"/> 0.7.4--h84994c4_1	11 days ago	Unsupported	9.9 MB	Never	SHA256 d525ccf62582		
<input type="checkbox"/> 0.7.17--h84994c4_4	11 days ago	Unsupported	28.7 MB	Never	SHA256 4f183ae370c2		
<input type="checkbox"/> 0.7.4--ha92aebf_0	6 months ago	Unsupported	9.9 MB	Never	SHA256 4791bd4bc612		
<input type="checkbox"/> 0.5.9--ha92aebf_2	7 months ago	Unsupported	9.8 MB	Never	SHA256 4d35fc08bb0e		
<input type="checkbox"/> 0.7.3a--ha92aebf_2	7 months ago	Unsupported	9.9 MB	Never	SHA256 74576ac6a43c		

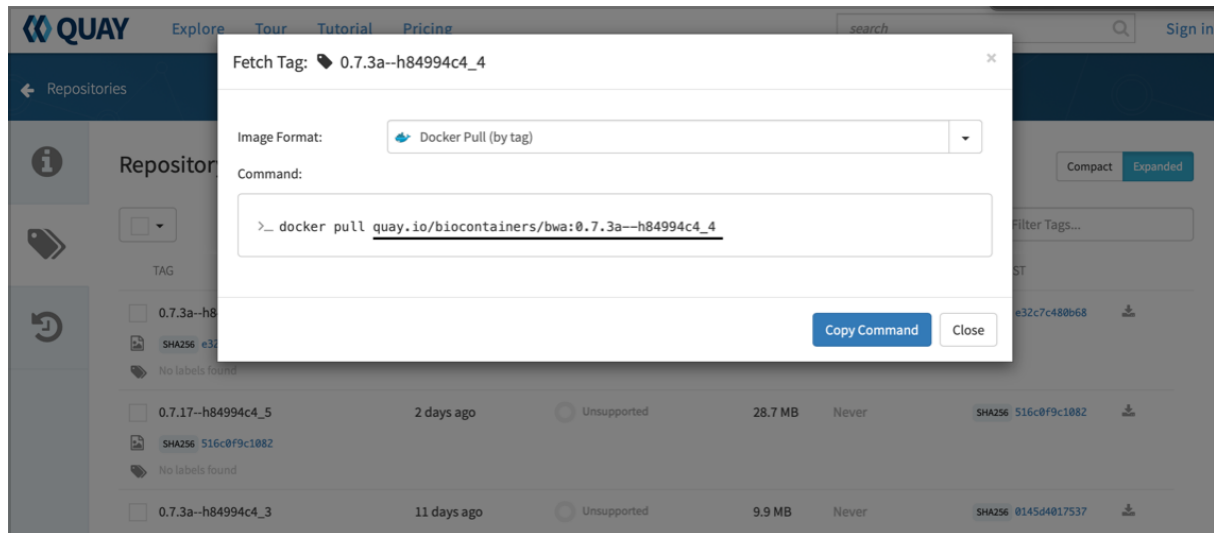
Put it all together into a docker hub URL and pull it into Singularity.

The way to construct these URLs is `docker://quay.io/biocontainers/<tool>:<tag>`. So for this example of `bwa` the URL would be `docker://quay.io/biocontainers/bwa:0.7.3a--h84994c4_4`.

Another way of fetching this URL is by clicking the fetch tag

Repository Tags						Compact	Expanded
<input type="checkbox"/> ▼ 1 - 25 of 26 < > <input type="text" value="Filter Tags..."/>							
TAG	LAST MODIFIED ↓	SECURITY SCAN	SIZE	EXPIRES	MANIFEST		
<input type="checkbox"/> 0.7.3a--h84994c4_4 SHA256 e32c7c480b68 No labels found	a day ago	Unsupported	9.9 MB	Never	SHA256 e32c7c480b68		
<input type="checkbox"/> 0.7.17--h84994c4_5 SHA256 516c0f9c1082 No labels found	2 days ago	Unsupported	28.7 MB	Never	SHA256 516c0f9c1082		
<input type="checkbox"/> 0.7.3a--h84994c4_3 SHA256 0145d4017537 No labels found	11 days ago	Unsupported	9.9 MB	Never	SHA256 0145d4017537		

Select "Docker Pull (by tag)" from the "Image Format" drop-down and copy the URL and add `docker://` to the beginning of it.



With out URL in-hand we can use it in place of a singularity `.sing` file when running singularity commands.

```
singularity exec docker://quay.io/biocontainers/bwa:0.7.3a--h84994c4_4 bwa mem
```