

Flywheel HPC Singularity API key config

Version 1.0.1

How to create an authorization token so Singularity and Flywheel can work with each other

1. Add an endpoint to the **remote.yaml** configuration file. Use `sudo` because you need root privilege to modify singularity config files. System-wide remote endpoints (<https://sylabs.io/guides/3.7/admin-guide/configfiles.html>) are defined in a configuration file typically located at `/usr/local/etc/singularity/remote.yaml` (this location may vary depending on installation parameters) and can be managed by administrators with the remote command group.

```
sudo singularity remote add-keyserver "docker://<my_flywheel_site_url>"
```

Example:

```
sudo singularity remote add-keyserver "docker://ga.ce.flywheel.io"
```

2. Now that the endpoint has been added, you can create the login token. The scheme (e.g., `https://` or `docker://`) is important to add or the singularity login will throw the error below. Note: it is likely that `docker://` is the only scheme that should be used. One can put both to prevent any issues.

```
transport is not supported
```

You can create the login token with the following:

```
singularity remote login -u "<my_flywheel_site_user_email>" -p  
"<my_flywheel_site_url>:<my_api_key>" docker://<my_flywheel_site_url>
```

Example:

```
singularity remote login -u "support@flywheel.io" -p  
"ga.ce.flywheel.io:<my_api_key>" docker://ga.ce.flywheel.io/
```

A confirmation will print as follows if successful:

```
INFO: Token stored in /home/<user>/.singularity/remote.yaml
```