Change Log

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April 1, 2020

- Instance memory limit will be raised to 256GB
- Julia users no longer need to specify depot paths
- You can now specify sub-directories of LSS shares when spawning an instance
- General updates and bug fixes

March 17, 2020

- RStudio Classroom has been moved to a multi-server environment. Sessions are now evenly distributed across all the nodes resulting in less resource contention.
- We have also doubled the amount of compute resources available to RStudio Classroom.

December 26, 2019

New features deployed on this date include:

1. New Spawner form

A sneak peak of our new Spawner form is below.
Spawner Options

**IDAS**
Interactive Data Analytics Service

- **CPU Cores**
  2
  Total CPUs your notebook will have access to (e.g., 2). The number must be between 2 and 32.

- **Memory Limit (GIB)**
  4
  Total amount of RAM your notebook can consume (e.g., 4). This must be between 4 and 120.

- **GPU**
  None
  If you have GPU-enabled code, select which type of GPU your notebook will reserve. Note that if the specified GPU is unavailable, your notebook will be unable to start.

- **Mount HPC Home**
  No
  Checking this box will mount your HPC home to your IDAS instance in the hpc/home directory

- **LSS Shared**
  /Shared/idas
  Enter the path of the LSS share you would like access to multiple shares can be entered with a comma separating the shares. These shares will be mounted in the LSS directory

- **LSS Dedicated**
  /Dedicated/idas
  Enter the path of the LSS share you would like access to multiple shares can be entered with a comma separating the shares. These shares will be mounted in the LSS directory

- **IDAS Image**
  IDAS-Python3.6
  IDAS-GPU adds the specified CUDA runtimes for GPU use with the specified language
  Make sure to select a GPU option above to get the best use out of GPU image.

[Spawn]
Please note that Python, R, and Julia will each have its own container image. For example, to start a Julia instance, please select one of the three options for Julia under **IDAS Image** in the Spawner form.

### 2. LSS and Argon Home access

Users will be able to access their Large Scale Storage (LSS) and Argon homes from IDAS.

More information about Large Scale Storage can be found at [https://its.uiowa.edu/lss](https://its.uiowa.edu/lss)

Documentation on the Cluster Systems can be found at [https://wiki.uiowa.edu/display/hpcdocs/Cluster+Systems+Documentation](https://wiki.uiowa.edu/display/hpcdocs/Cluster+Systems+Documentation)

### 3. RStudio available for research use

RStudio will be available for research with this update. To start an RStudio instance, please select one of the three options for R under **IDAS Image** in the Spawner form.
Doing so will launch an R instance. In order to launch RStudio, click **New**, then select the **RStudio** option.

This will launch an RStudio session, which looks very similar to the local version of RStudio.
Please contact Giang Rudderham and Cody B Johnson at research-computing@uiowa.edu with any questions or concerns.