AWS AppStream for ArcGIS Pro

Thursday, August 19, 2021   3:14 PM

We will use AWS AppStream for ArcGIS Pro for the first exercise as cloud computing is an important component of Data Science. Note that you can only use the AppStream for this class exercise. You are NOT allowed to use the AppStream for coursework in other classes or your own research. The reason is that AWS is charging me by hours ($91/month plus $0.90/hr), and I am paying the bill out of my own account. The system will record your usage, so if your time is excessive, I will pass the AWS bill to you. To make sure that we don't unwilling use more time than necessary, AppStream will automatically shut down if you idle for 15 minutes.

All modern browsers should work fine with AppStream. My tests suggest that MS Edge may work a little better than Google Chrome. The AppStream URL is utd.link/epps1 on AWS EC2 virtual machine with 4 Xeon CPUs and 32 GB memory. Our access to the AppStream is available for the month of September.

Appstream User FAQ

> **JIra Links**
>
>   (Put links to Jira Tickets here)

- Frequently Asked Questions

Frequently Asked Questions

- How do I access Appstream?
  Your professor will give you a link that will get you to the appstream session. Click on the link and you will be directed to the UTD SSO login page. Duo is required. Once your credentials are entered successfully you will be redirected to the Appstream page. Please select the desktop icon to proceed. You will be asked for your NetID password again.

- How long does it take for the session to come online?
  It can take 3-4 minutes for the session to come online?

- Are my settings retained between sessions?
  Yes, along with anything saved in your home folder. However, the data is deleted at the end of the project
- How do I save my data?
  If you need to retain data between sessions (or after completing a session), please use your Microsoft OneDrive. See the AWS documentation (Use OneDrive for Business - Amazon AppStream 2.0) for configuration and usage.

- Will my session timeout?
  Yes, your session is limited in the total amount of time you are allowed to be connected. Also, you will be disconnected after a certain amount of idle time. Your professor will give you those timeouts.

Guidance for AppStream 2.0 Users - Amazon AppStream 2.0

We will use OneDrive to work with ArcGIS Pro AppStream.
1. Note potential problems of working ArcGIS Pro with cloud storage, like OneDrive
   https://support.esri.com/en/technical-article/000025605

2. Go to your **ASDSPkg1** on UTD OneDrive
3. In ArcGIS Pro AppStream, create a project (say, Project1) in the SDSProjects folder