Amazon AppStream

Amazon AppStream - Introduction

- Amazon AppStream 2.0 is a fully managed application streaming service that provides users with instant access to their desktop applications from anywhere.
- With AppStream 2.0, you can easily add your existing desktop applications to AWS and enable your users to instantly stream them.
- Windows users can use either the AppStream 2.0 client or an HTML5-capable web browser for application streaming.
- You can maintain a single version of each of your applications, which makes application management easier.

Amazon AppStream - Benefits

- **Deliver desktop applications to any computer:** Users can access the desktop applications they need at any time. AppStream 2.0 streams your applications from AWS to any computer, including Chromebooks, Macs, and PCs.
- **Scale without infrastructure:** AppStream 2.0 is fully managed on AWS and globally available with pay-as-you-go pricing. You can easily scale your application streaming to any number of users across the globe without acquiring, provisioning, and operating hardware or infrastructure.

Amazon AppStream - Benefits

- **Centrally manage applications:** You centrally manage your applications on AppStream 2.0 and can stop managing installations and updates on each user's computer.
- **Integrate with your IT:** AppStream 2.0 connects to your Active Directory, network, cloud storage, and file shares. Users access applications using their existing credentials and your existing security policies manage access.
- **Secure applications and data:** Applications and data are not stored on users' computers. Your applications are streamed as encrypted pixels and access data secured within your network.

Amazon AppStream - Fleets

There are two types of fleets:

- **Always-On:** Your instances run all the time, even when no users are streaming applications. Use an Always-On fleet to provide your users with instant access to their applications.
- **On-Demand:** Your instances run only when users are streaming applications. Use an On-Demand fleet to optimize your streaming charges and provide your users with access to their applications after a 1-2 minute wait.

Amazon AppStream - Pricing

- With Amazon AppStream 2.0, you pay only for the streaming resources that you provision plus a small monthly fee per streaming user.
- There is no upfront investment and no long-term commitment when using Amazon AppStream 2.0.
- **Always-On fleet instances:** Always-on fleet instances are charged hourly.
- **On-Demand fleet instances:** On-Demand fleet instances are charged hourly.
- **Image builder instances:** Image builder instances are charged hourly.