



WEBINAR

# Easily upload and manage Amazon S3 files in a Next.js web app with AWS Amplify

Danny Banks

Principal Design Technologist  
AWS Amplify

# Agenda

What is AWS Amplify?

Build features with Amplify – Auth, Data, and Storage

Amplify UI StorageManager Component

**Demo:** Upload & manage Amazon S3 files in a Next.js web app using AWS Amplify UI StorageManager

Helpful resources

# What is AWS Amplify?

<b>Amplify Libraries</b>	<b>Amplify Studio</b>	<b>Amplify CLI</b>	<b>Amplify UI Library</b>	<b>Amplify Hosting</b>
<p>Use case-centric libraries to build cloud-powered mobile and web apps</p> <p>Use with new backends created with the Amplify CLI and Amplify Studio or existing AWS backend</p>	<p>Visual interface for setting up your app backend</p> <p>Visually build UI components and generate React code</p>	<p>Toolchain to configure and maintain your app backend from your local desktop</p> <p>Configure cloud functionality using the CLI's interactive workflow and intuitive use cases such as auth, storage, API</p>	<p>Open-source design system with cloud-connected components for building feature-rich apps fast</p> <p>Choose from dozens of prebuilt components that are themeable, accessible react components that connect to the cloud in a few steps</p>	<p>Fully managed CI/CD and hosting service for fast, secure, and reliable static and server-side rendered apps that scale with your business</p>

# Build features with AWS Amplify – Auth

BUILD SEAMLESS WORKFLOWS; POWERED BY AMAZON COGNITO



Secure and scalable  
user directory



Wide enterprise and social  
identity federation support



Standards-based  
authentication



Multi-factor authentication  
(MFA) and full encryption



Access control for  
all AWS resources

# Build features with AWS Amplify – Auth

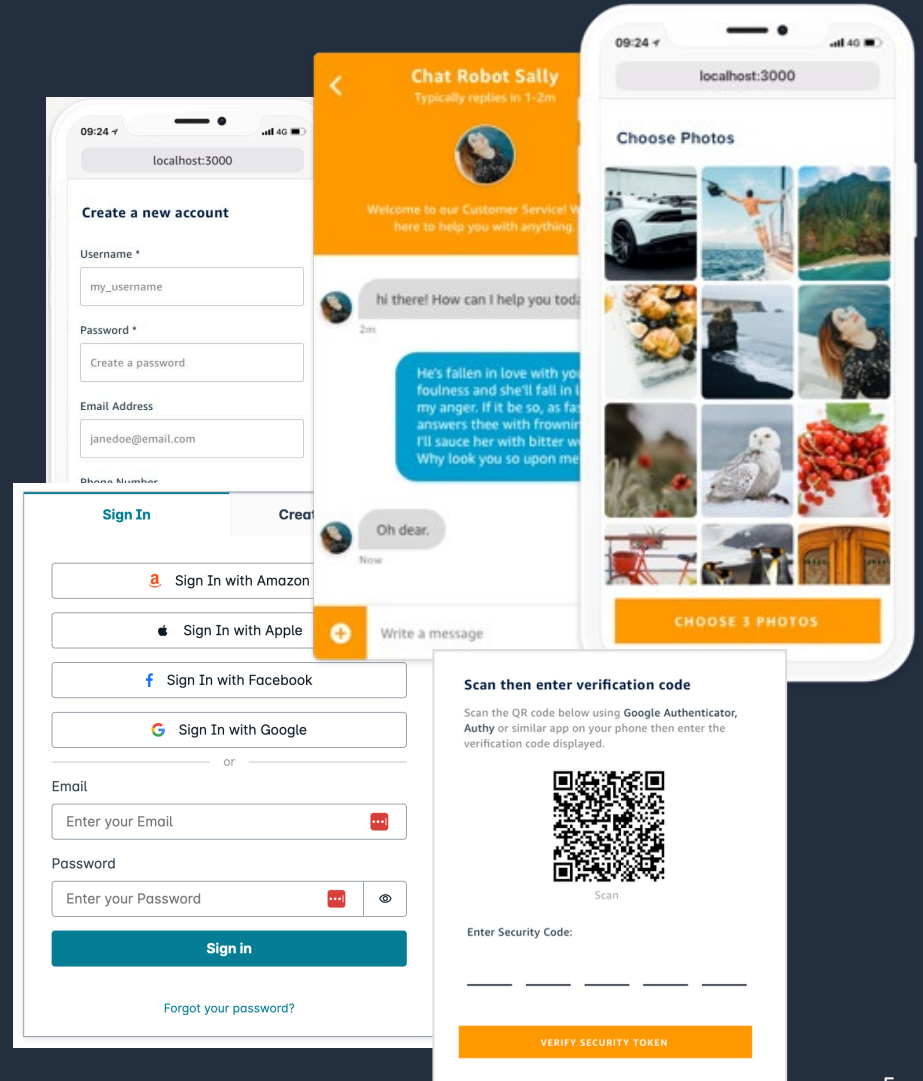
ACCESS THROUGH DROP-IN UI COMPONENTS OR LIBRARIES

## Prebuilt UI components

- Add sign-in and sign-up workflows
- Styled experience out of the box
- Flexible and customizable
- Multi-factor authentication

## Authentication client libraries

- Out-of-band (OOB) social login functionality with Facebook, Google, or Amazon
- Automatic integration with existing Amazon Cognito resources
- Custom authentication flow, such as CAPTCHA

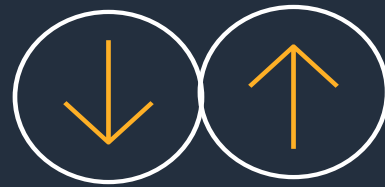


# Build features with AWS Amplify – Storage

MANAGE USER CONTENT FOR YOUR APP IN PUBLIC, PRIVATE, OR PROTECTED BUCKETS; POWERED BY S3



**Intelligent storage framework**  
with support for S3; connect app  
with cloud storage backend with  
few lines of code



**Network-optimized, efficient  
upload and download** of files  
with multipart, asynchronous  
parallel upload for big files



**Security ensured through**  
multiple access levels (public,  
protected, or private)

# Build features with AWS Amplify – Storage

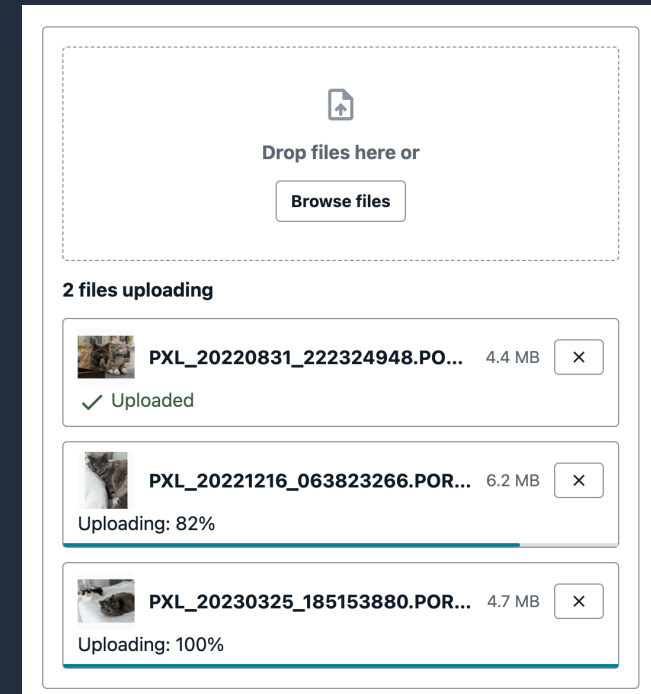
ACCESS THROUGH UI COMPONENT OR LIBRARIES

## Storage client libraries

- Use `Storage.put`, `Storage.get`, and `Storage.list` to build file storage experiences in a few lines of code
- APIs also cover other scenarios such as tracking status of file upload, downloads, and retry uploads

## FileUploader component for React

- Drop into app to allow users to upload file to your S3 bucket using Amplify Storage
- Simplicity of Amplify Storage library packaged into a React component



# Demo: Upload and manage Amazon S3 files in a Next.js web app with Amplify



# More resources



[AWS Amplify UI StorageManager Component](#)  
A step-by-step blog post for the demo app.



[Accelerate full-stack web and mobile app development with AWS Amplify](#)  
Easily build, ship, and host full-stack applications on AWS, with the flexibility to leverage the breadth of AWS services as use cases evolve. No cloud expertise needed.



# Thank you!

Follow Amplify on Twitter: [@AWSAmplify](https://twitter.com/AWSAmplify)