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AWS SDK for JavaScript

Develop and deploy applications with the AWS SDK for JavaScript. The SDK provides first class TypeScript support and makes it easy to call AWS services using idiomatic JavaScript APIs to build Node.js, web, and mobile web applications.

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Develop Server-side apps

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Develop modern server-side web applications using Node, Node Modules, and the Node HTTP server. Access AWS services directly from your RESTful applications using Node.js frameworks.

[Get started with AWS SDK for JavaScript for Node.js »](#)

Develop Web apps



Develop modern front-end applications and access AWS services directly from JavaScript code running in your browser.

[Get started with AWS SDK for JavaScript in browser »](#)

Develop Mobile apps



Develop modern mobile applications using React Native and access AWS services directly from your iOS and Android mobile devices.

[Get started with AWS SDK for JavaScript in React Native »](#)

How it works

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abstractions for simplified development. Visit [GitHub](#) to see AWS-focused open source JavaScript libraries.

The AWS SDK for JavaScript supports three runtimes: JavaScript for browser, Node.js for server, React Native for mobile development. It also supports cross-runtime: a service client package can be run on browsers, Node.js, and React-Native without code change.

Key features

First Class TypeScript Support

Our Javascript SDK is fully written in Typescript and then compiled to JavaScript. This allows you to use the benefits of Typescript, such as static type-checking, and class and module support. You can also use newer features from ES6, ES7, and beyond without having to worry about the backwards compatibility. The finished code produced by the compiler will be backwards compatible with ES5 and will work just fine with older browsers. To learn more, visit the [AWS JavaScript Developer Blog](#).

Middleware Stack

AWS SDK for JavaScript introduces the middleware stack, which allows you to customize the SDK behavior by modifying the middleware. You can add your custom asynchronous actions to the AWS SDK for JavaScript and/or remove the default ones. These actions serialize input parameters into the data over the wire and deserialize response data into JavaScript objects. Such actions are implemented using functions called middleware and executed in a specific order. To learn more, visit the [AWS JavaScript Developer Blog](#).

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by only importing the packages your application requires. AWS SDK for Javascript has a modular architecture with a separate package published for each service. These packages are published under `@aws-sdk/` scope on NPM to make it easy to identify packages that are part of the official AWS SDK for JavaScript. To learn more, visit the [AWS JavaScript Developer Blog](#).

Guides

[Developer Guide](#)

The developer guide describes the features for the latest version of the AWS SDK for JavaScript v3 and how to use them.

[HTML](#) | [PDF](#) | [GitHub](#)

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[API Reference Guide](#)

The JavaScript API reference guide describes the API operations for the latest version of the AWS SDK for JavaScript. The reference guide also provides sample requests, responses, and errors for the supported web services protocols.

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cases for AWS services to help accelerate development of your applications.

[HTML](#) | [PDF](#)

[View code examples »](#)

[Migration Guide](#)

The AWS SDK for JavaScript v3 migration guide describes how to migrate from version 2 to version 3 of the SDK for JavaScript.

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Additional resources

[AWS JavaScript Developer Center](#)

Find additional resources and guides for building JavaScript applications on AWS.

[AWS Developer Blog](#)

Read the AWS Developer blog to get the latest news and announcements on JavaScript.

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JavaScript tools on AWS

[AWS Toolkit for Visual Studio Code](#)[AWS Toolkit for WebStorm](#)[AWS Cloud9](#)[AWS Amplify](#)[AWS IoT SDK for JavaScript](#)[AWS Cloud Development Kit in JavaScript](#)

Are you interested in running your Java workloads on AWS? Have an AWS representative follow-up with you about your IT project.

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