



**Content
Authenticity
Initiative**



CAI Open-Source

Gavin Peacock,
Principal Scientist,
Adobe

Goal

Encourage the rapid adoption of C2PA

With the Rust SDK that is available today, we support several key workflows for creating and signing C2PA manifests, signing and embedding them into certain file formats. We also support reading manifests from certain file formats and validating those manifests and signatures.

These features are supported on common desktop, web, and server platforms, with the exception that some of the manifest signing workflows are not currently supported on WASM.

The file format support is currently limited to the JPEG and PNG still image formats.

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Goal

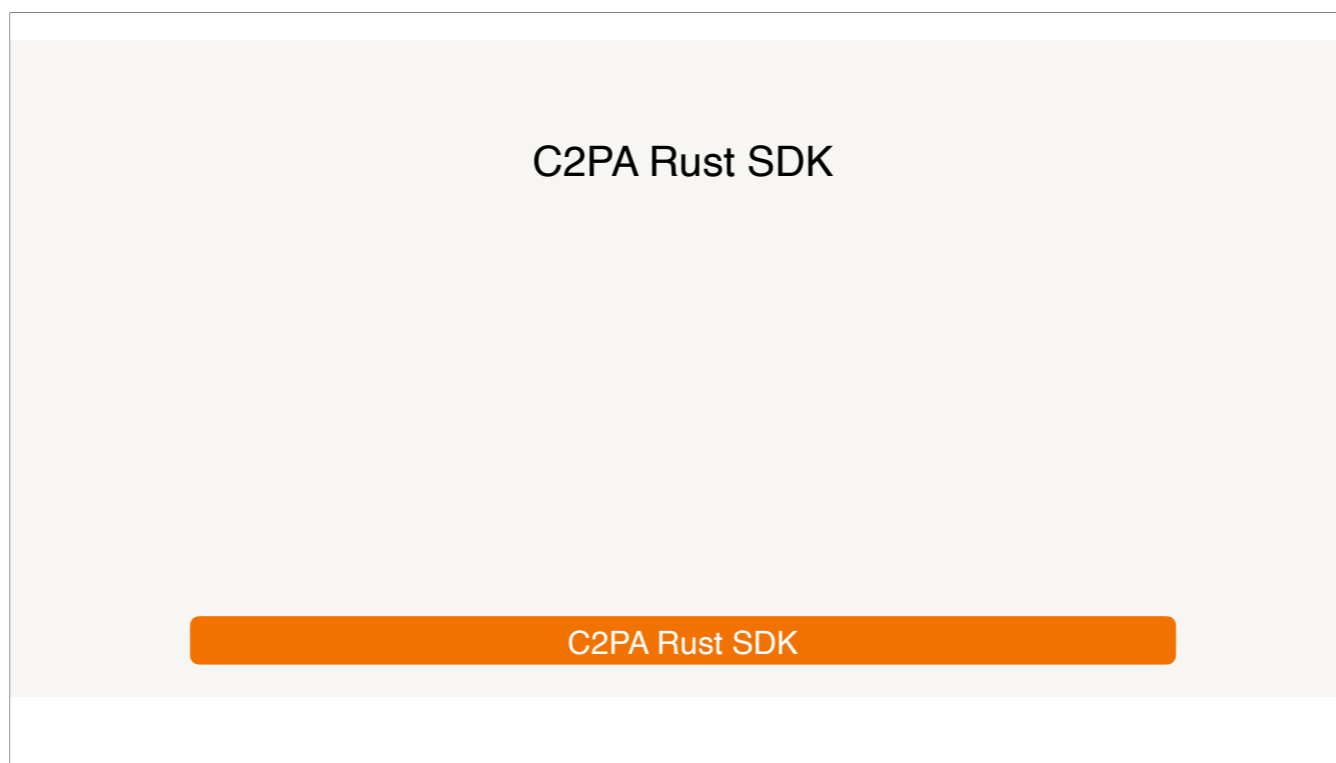
Encourage the rapid adoption of C2PA
(and develop our own applications)

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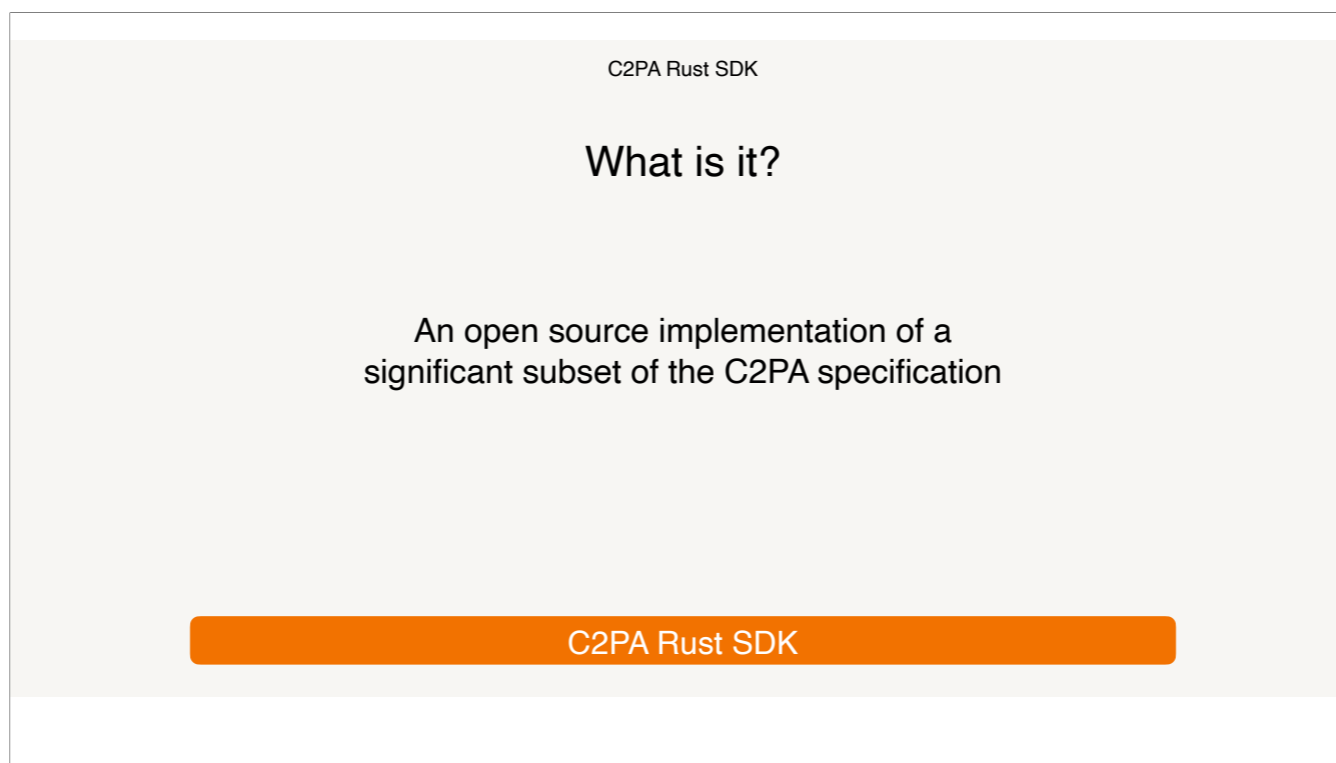


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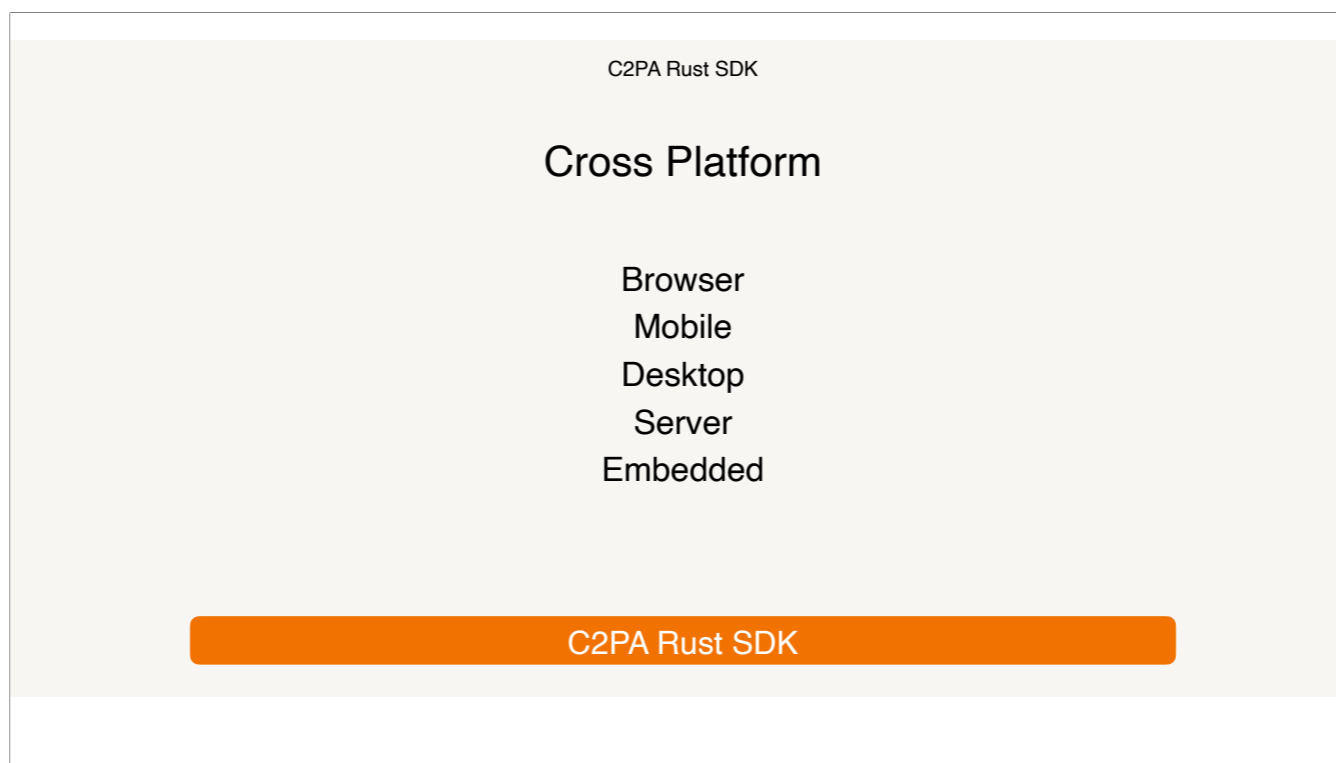


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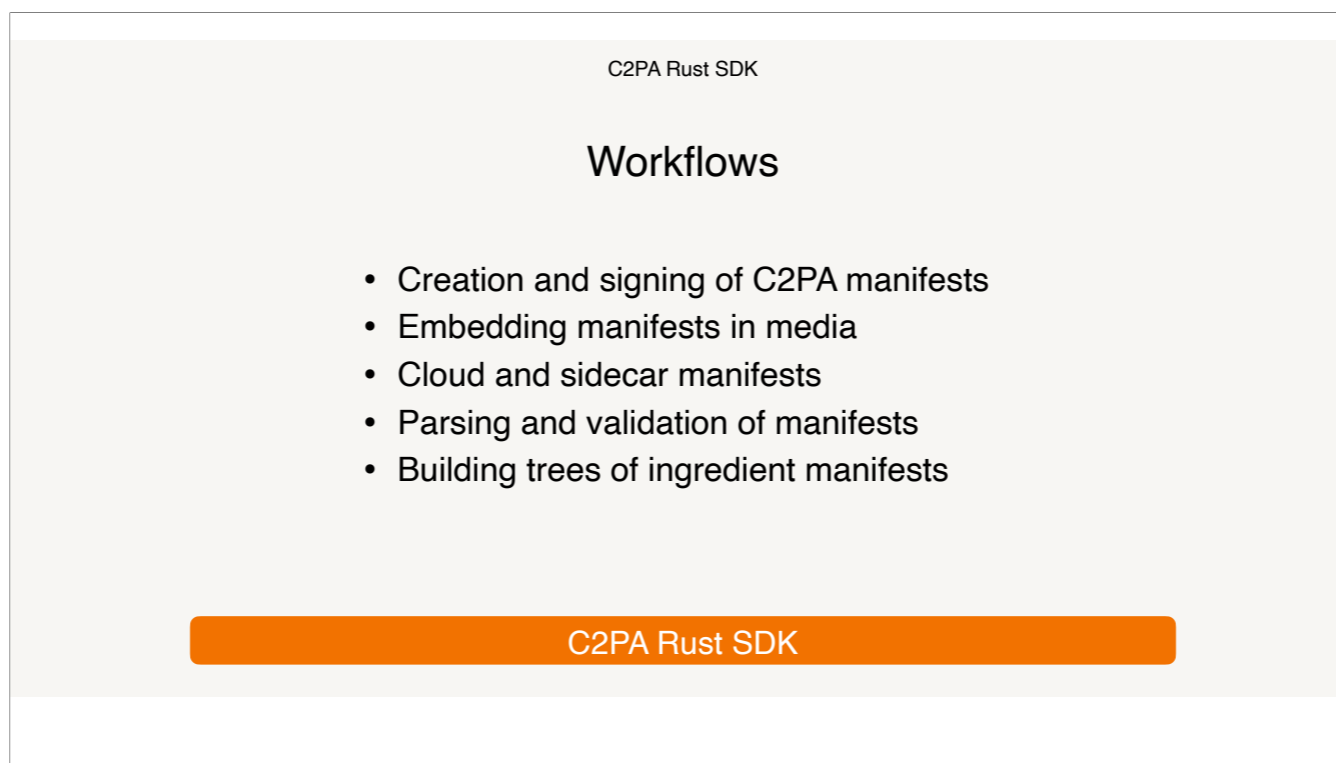


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A presentation slide with a light gray background. At the top center, the text "C2PA Rust SDK" is displayed. Below it, the word "Workflows" is centered in a larger font. A bulleted list follows, containing five items: "Creation and signing of C2PA manifests", "Embedding manifests in media", "Cloud and sidecar manifests", "Parsing and validation of manifests", and "Building trees of ingredient manifests". At the bottom center, there is a solid orange horizontal bar with the text "C2PA Rust SDK" in white.

C2PA Rust SDK

Workflows

- Creation and signing of C2PA manifests
- Embedding manifests in media
- Cloud and sidecar manifests
- Parsing and validation of manifests
- Building trees of ingredient manifests

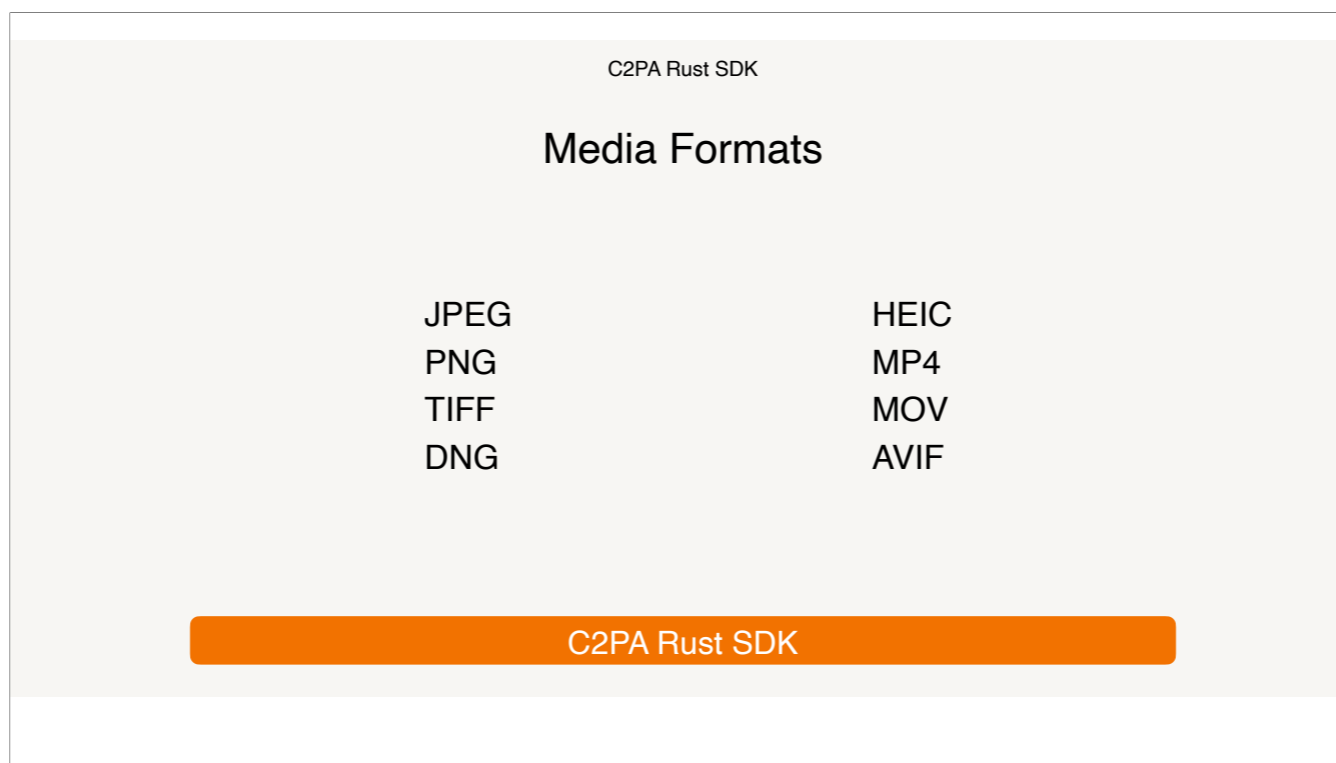
C2PA Rust SDK

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C2PA Rust SDK

Rust

- Compiles to native code and WASM
- Performance and memory safety
- Easy integration of third-party code
- Bindings to C, C++, JS, other languages

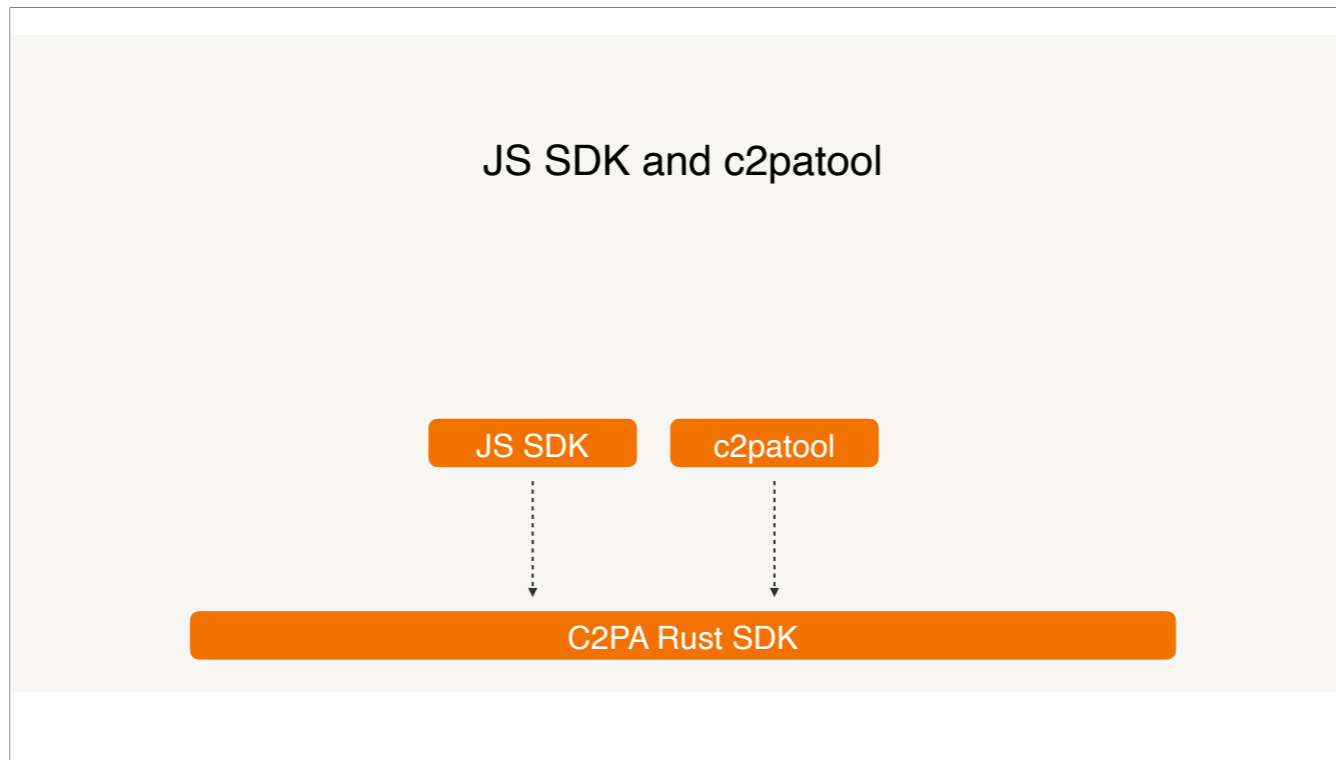
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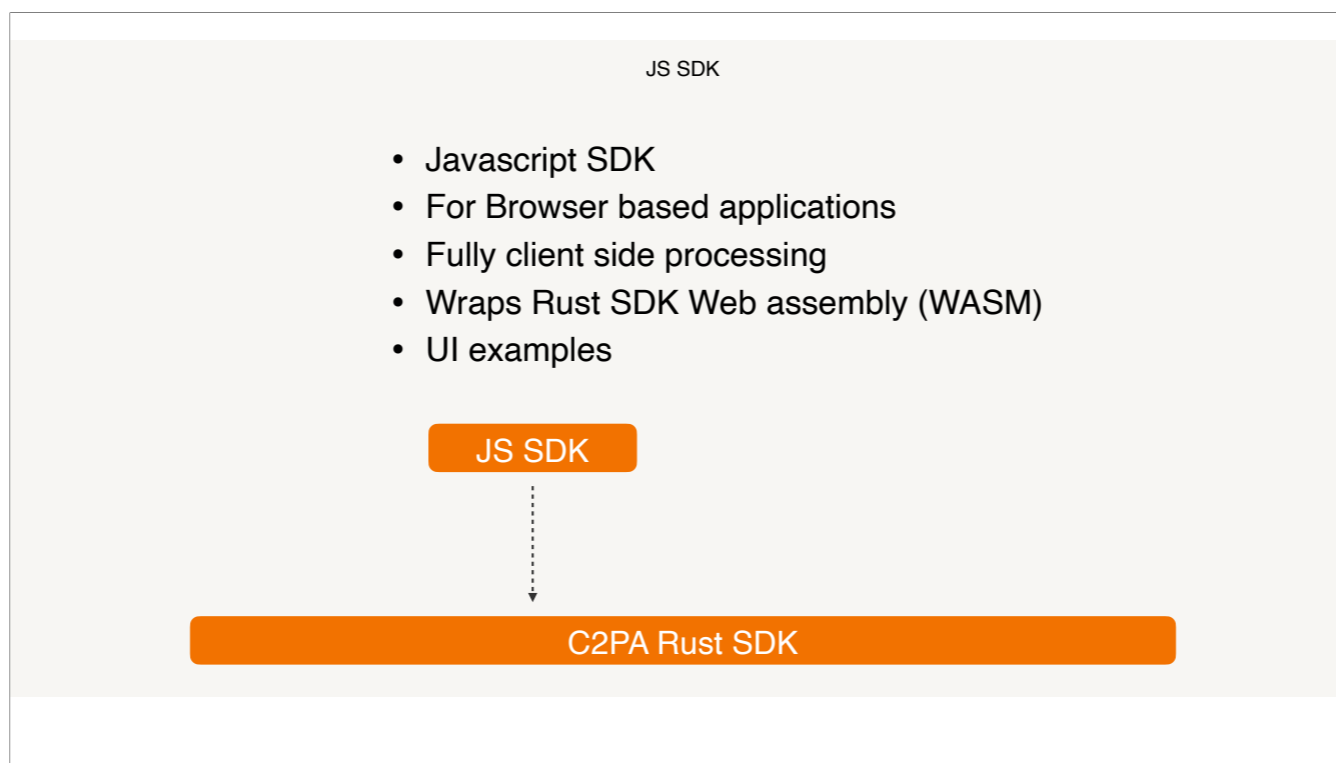


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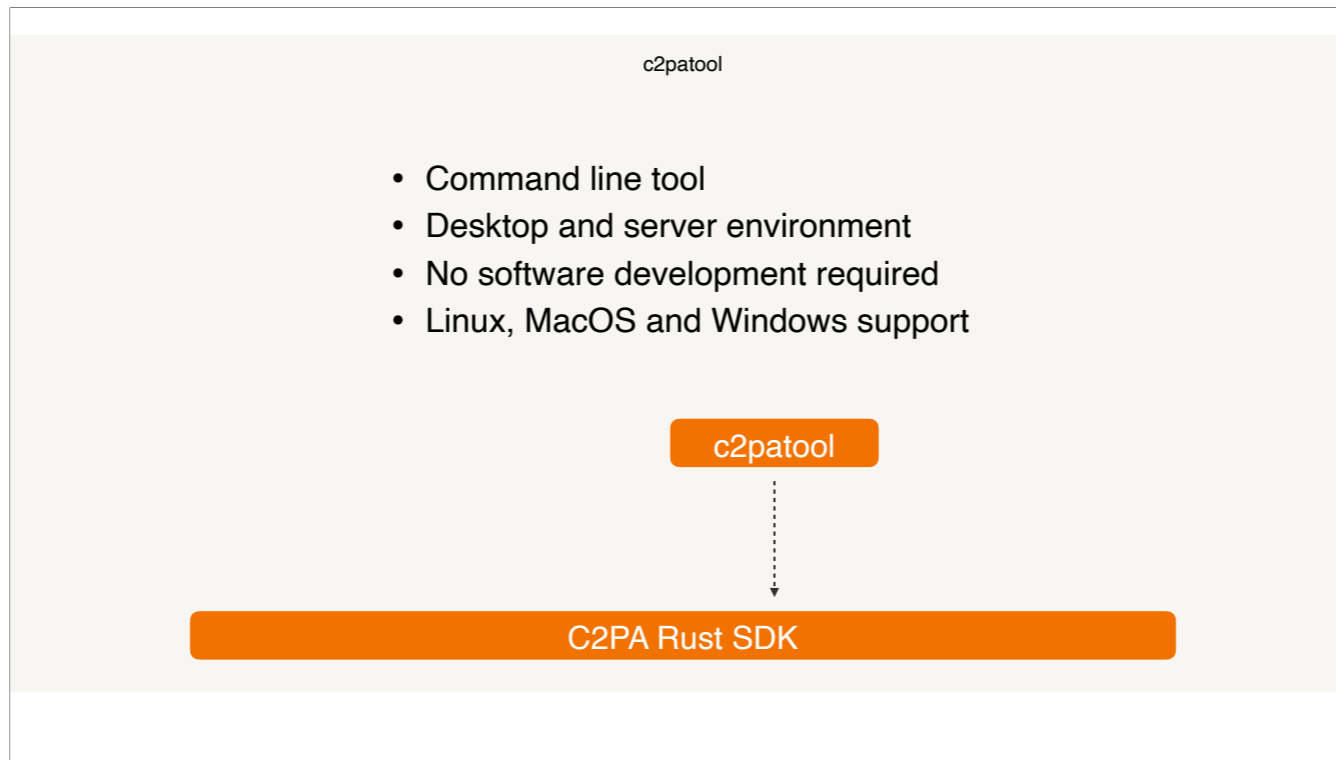


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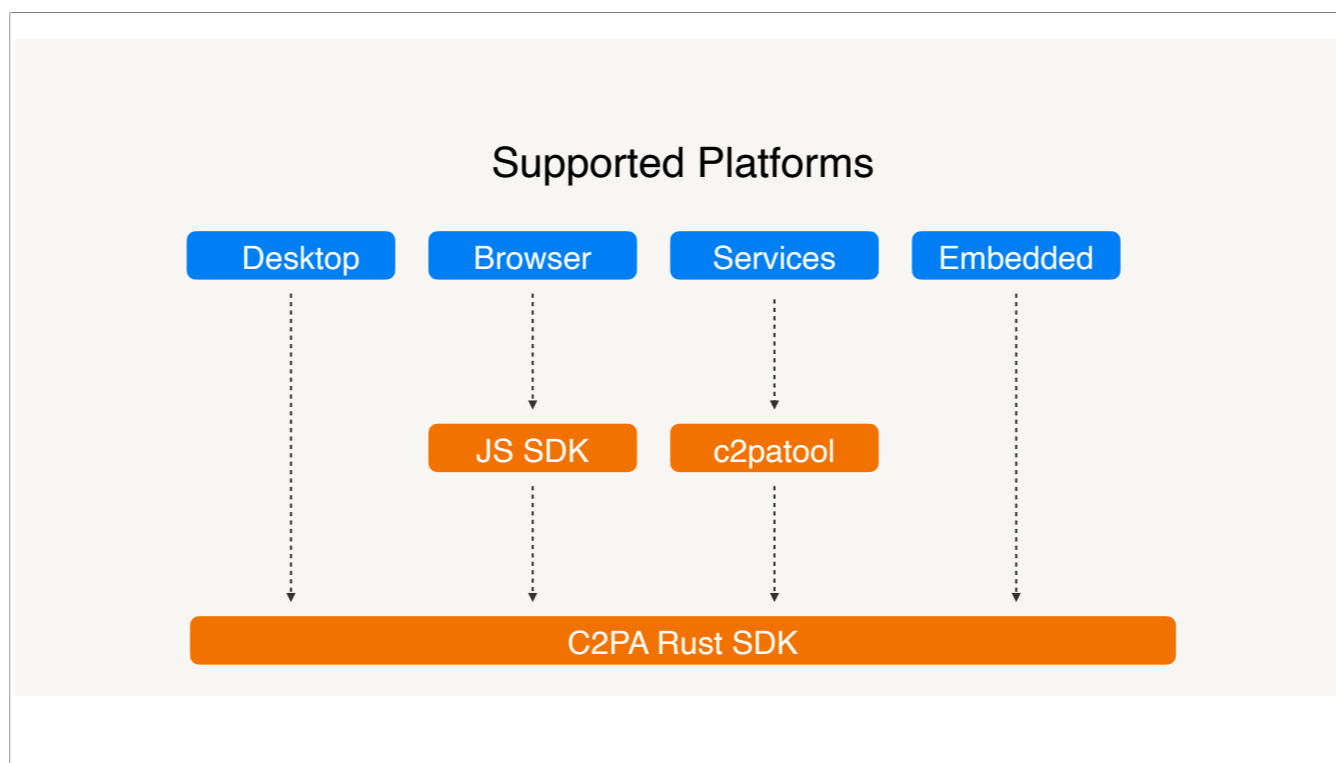


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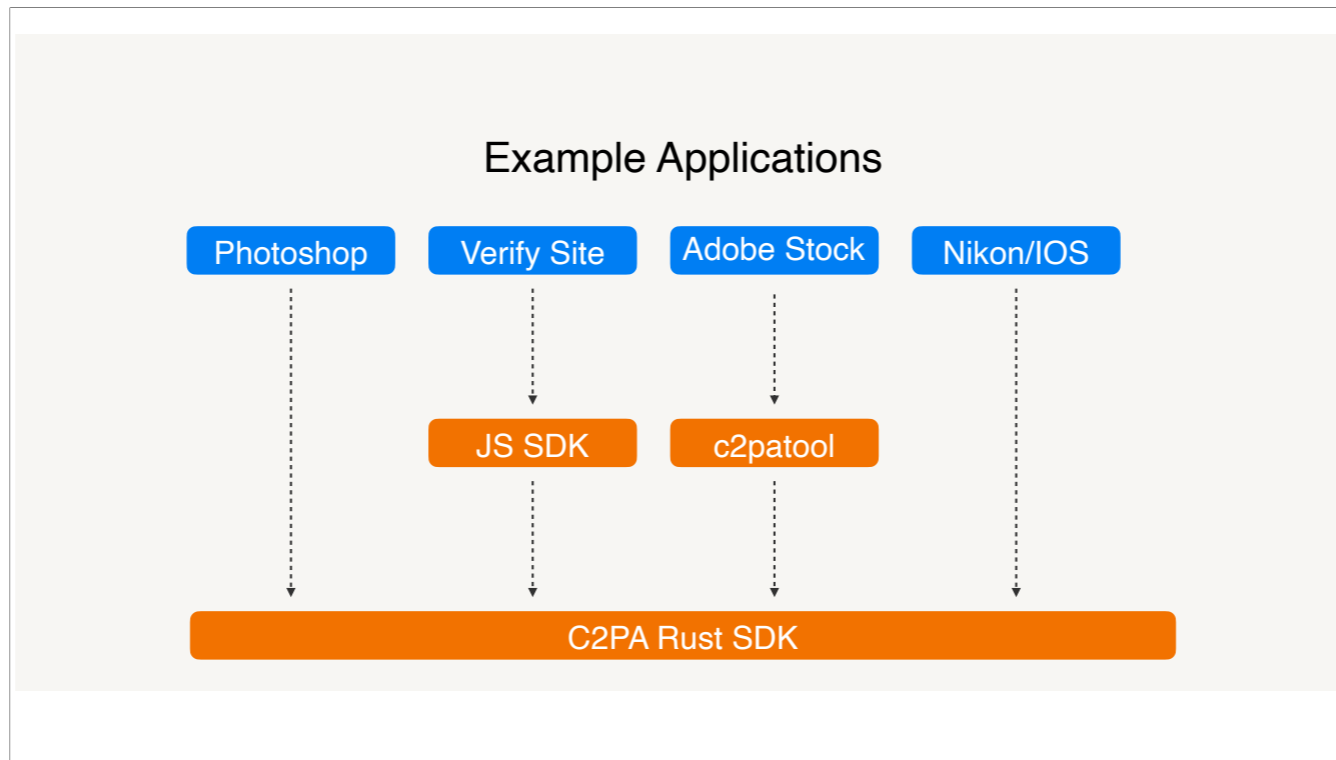


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Open-source site

Website

opensource.contentauthenticity.org

Github

github.com/contentauth

Discord

discord.com/invite/CAI