

Website Packaging (WPACK)

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People would like to use websites, including those with "application" functionality...

- Offline
- In situations with low or minimal bandwidth
- In situations where it may not be possible to directly connect to the original server (ex. censorship)

**Methods exist to package web applications for offline use
(ex. W3C ServiceWorkers)...**

... but how do you *distribute* and verify the authenticity without a network connection?

Use Cases (from draft-yasskin-webpackage-use-cases)

- Offline installation
- Offline browsing
- Save and share a web page
- Packaged Web Publications
- Avoiding Censorship
- Third-party security review
- Building packages from multiple libraries
- Privacy-preserving prefetch
- Cross-CDN Serving
- Installation from a self-extracting executable
- Packages in version control
- Subresource bundling

Web Packaging documents

- Use Cases and Requirements
 - <https://tools.ietf.org/html/draft-yasskin-webpackage-use-cases>
- Signed HTTP Exchanges
 - <https://tools.ietf.org/html/draft-yasskin-http-origin-signed-responses>
- Bundled HTTP Exchanges
 - <https://tools.ietf.org/html/draft-yasskin-wpack-bundled-exchanges-00>
- Jeffrey Yasskin of Google main point person (but is not here at IETF 102)
- Work underway on both specification and a Chromium implementation

Join in

- Mailing list: <https://www.ietf.org/mailman/listinfo/Wpack>
- Github: <https://github.com/WICG/webpackage>
- Possible Bar BOF / side meeting at IETF 102 (still being organized)

Thank You

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FYI, these slides were created in Markdown and rendered using MARP

(<https://yhatt.github.io/marp/>)

Slides can be found at: <https://github.com/danyork/wpack-intro-ietf102>