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XRPackage (XRPK) notes #7

humbletim started this conversation in **Ideas**



humbletim on Apr 14, 2021 Maintainer

XRPK has been suggested as a good starting point for having an interoperable asset format.

Below is my attempt to capture some key takeaways from current discussions along with links to online reference materials.

(from the documentation:)

An XRPackage is a bundle of files. The entrypoint is a manifest.json (following the Web App Manifest standard). The rest of the files in the bundle are the source files for the app.

- **XRPK is to WEBN as VRM is to GLTF**
- XRPKs exist as .wnb files (packaged web bundles)
- XRPK extends the WEBN standard to include new top-level properties:
 - `xr_type` :
 - gltf@0.0.1
 - glb@0.0.1
 - vrm@0.0.1
 - vox@0.0.1
 - webxr-site@0.0.1
 - `xr_details` :
 - aabb: ?
 - ?
 - `physics` ?
 - `physics_url` ?

Resources:

- https://developer.mozilla.org/en-US/docs/Web/Manifest#example_manifest -- example web app manifest
- <https://web.dev/web-bundles/#explaining-web-bundles> -- .wnb format
- <https://www.npmjs.com/package/chimera-xrpk?activeTab=readme#whats-in-a-package> -- early xrpk documentation
- <https://docs.webaverse.com/docs/create/manifest-api> -- current webaverse manifest api
- <https://docs.webaverse.com/docs/create/examples> -- XRPK examples
- <https://www.npmjs.com/package/xrpk> -- current webaverse XRPK / XR Package CLI tool

- [2021.04.14 AngelXR#omi-general](#) -- relevant discussion on the topic of XRPK/GLTF/VRM

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0 comments

Category



Ideas

Labels

None yet

1 participant

