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President and Founder







Since 1998

#### Preserving Provenance During Metadata Editing

Challenges and our solution

- I. The Goal: Keep the flame alive!
- II. Components of a JPEG "torch"
- III. Protecting the "torch": The Provenance Locker
- IV. Passing the "torch": Add another flame
- V. Summary

# I. The Goal: Keep the flame alive!

- \* Think of a digital signature as an Olympic flame
- \* The camera ignites the flame
- \* The photo is the torch

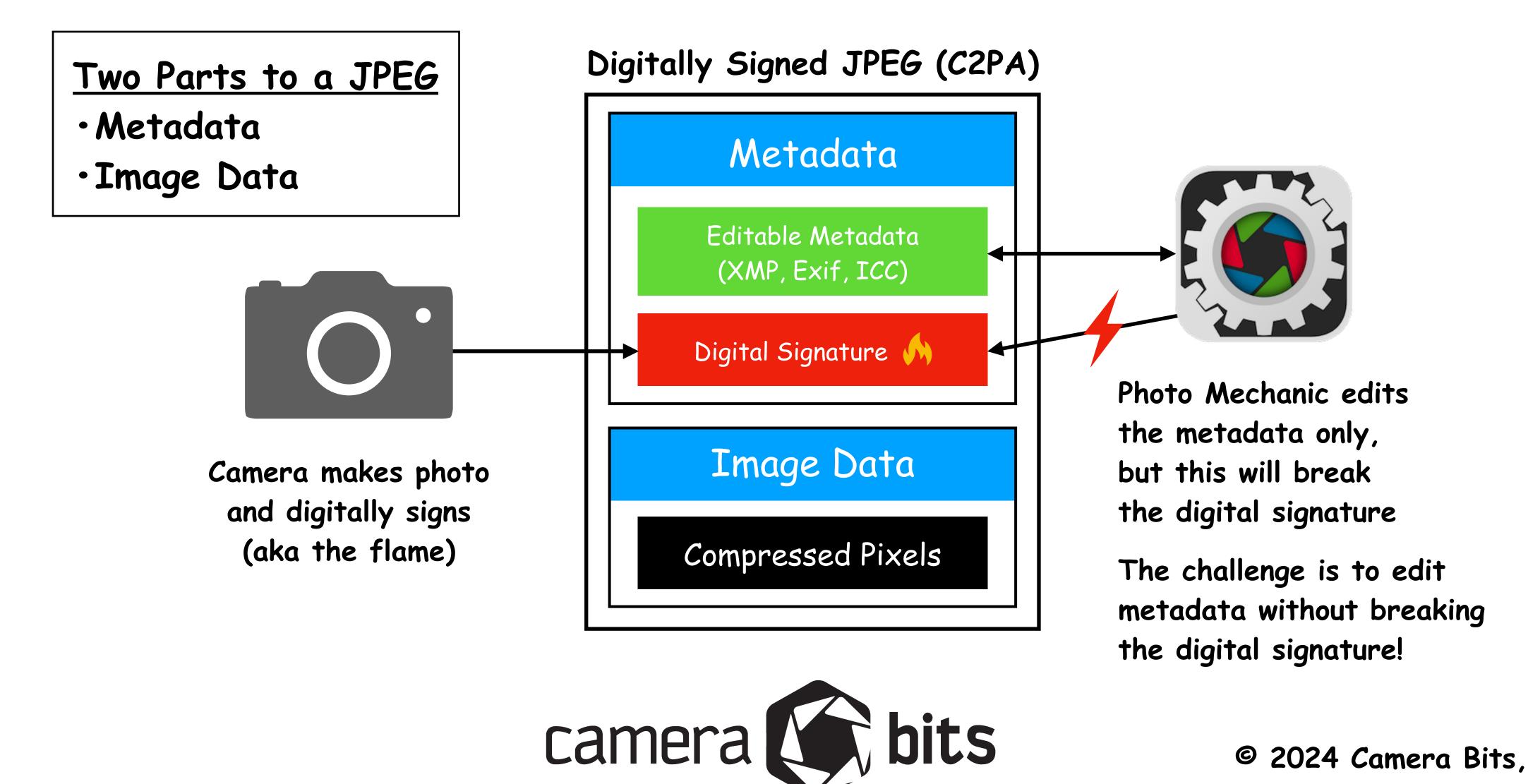
Many times Photo Mechanic is used by the first torch runner (photo editor), and the torch is often passed to other runners using Photo Mechanic.



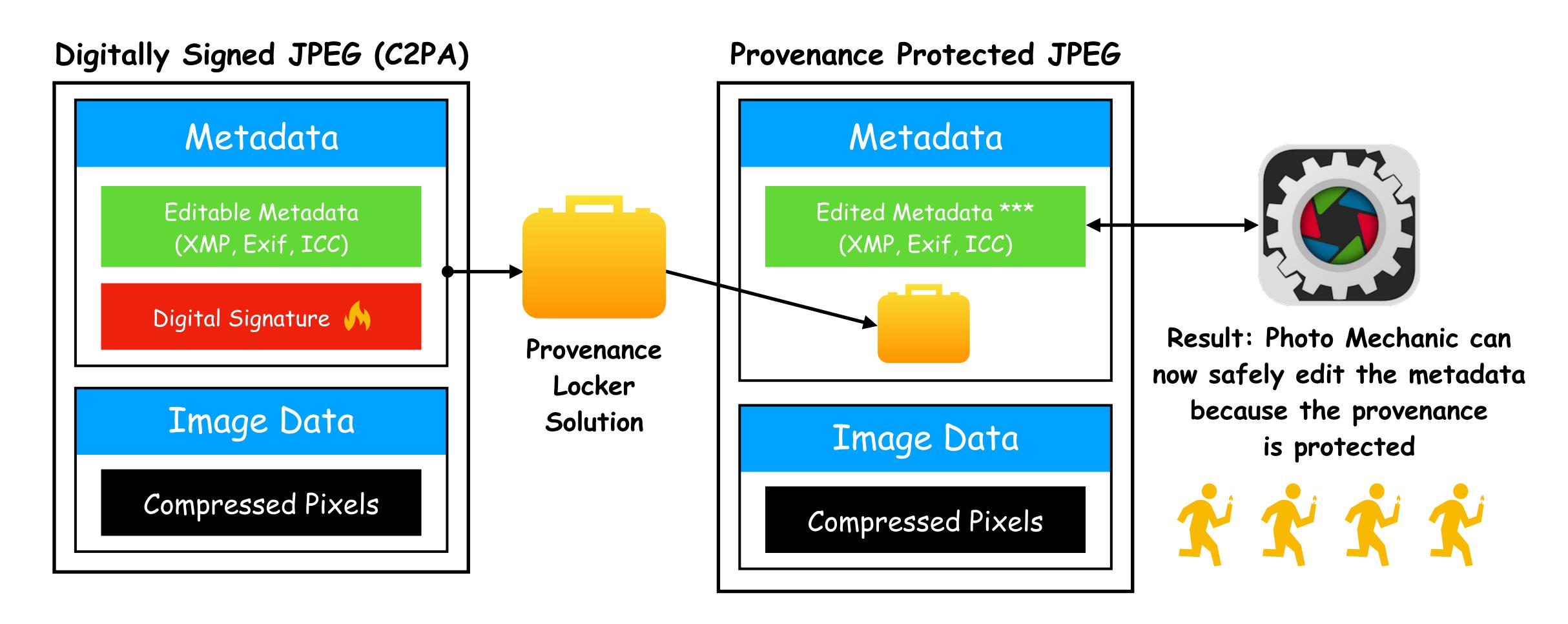
We have a huge responsibility to keep that flame alive.



# II. Components of a JPEG "torch"

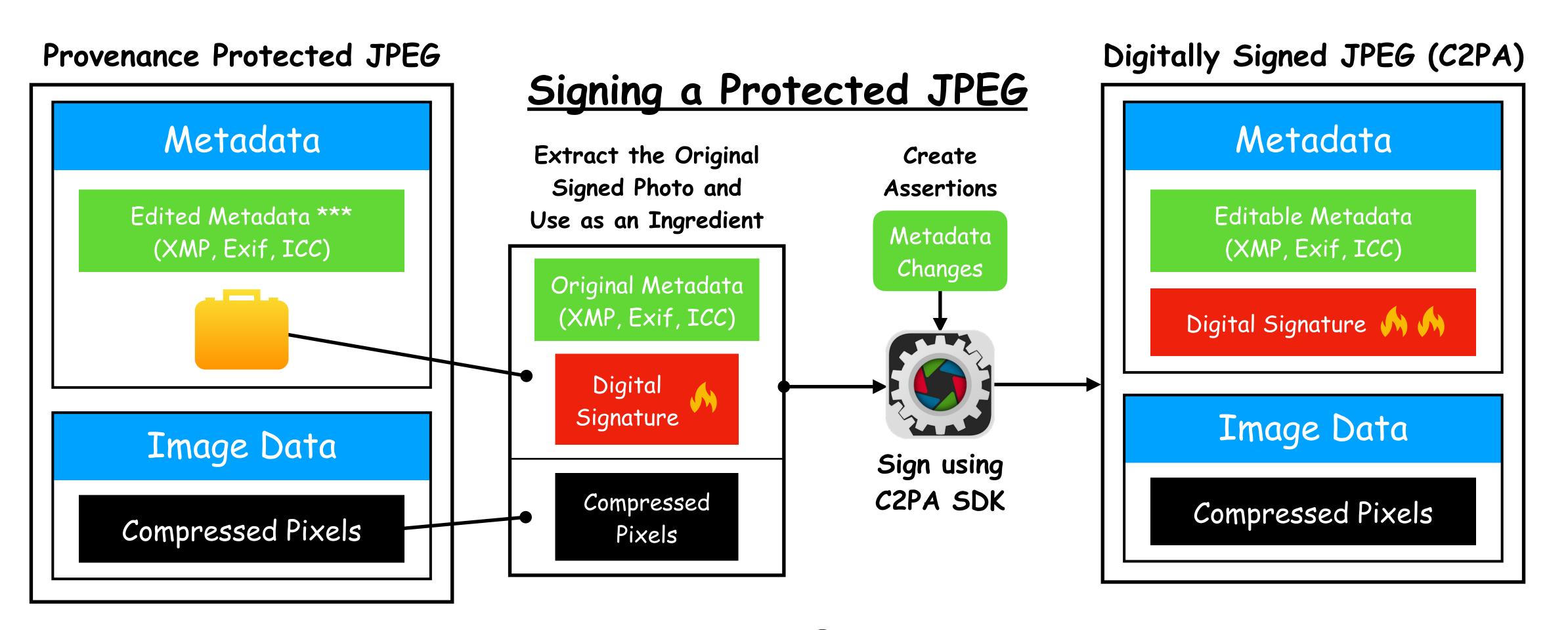


### III. Protecting the "torch": The Provenance Locker





### IV. Passing the "torch": Add another flame





### V. Summary

- \* Photo Mechanic protects the provenance of signed photos by using a Provenance Locker.
- \* Metadata of protected photos can be edited repeatedly.
- \* After metadata editing, photos can be signed and passed on to other C2PA-compliant software.
- \* This provides for an efficient and authentic metadata editing workflow for C2PA photos.
- .. There is a clear path for news agencies to publish authentic photos from capture.

