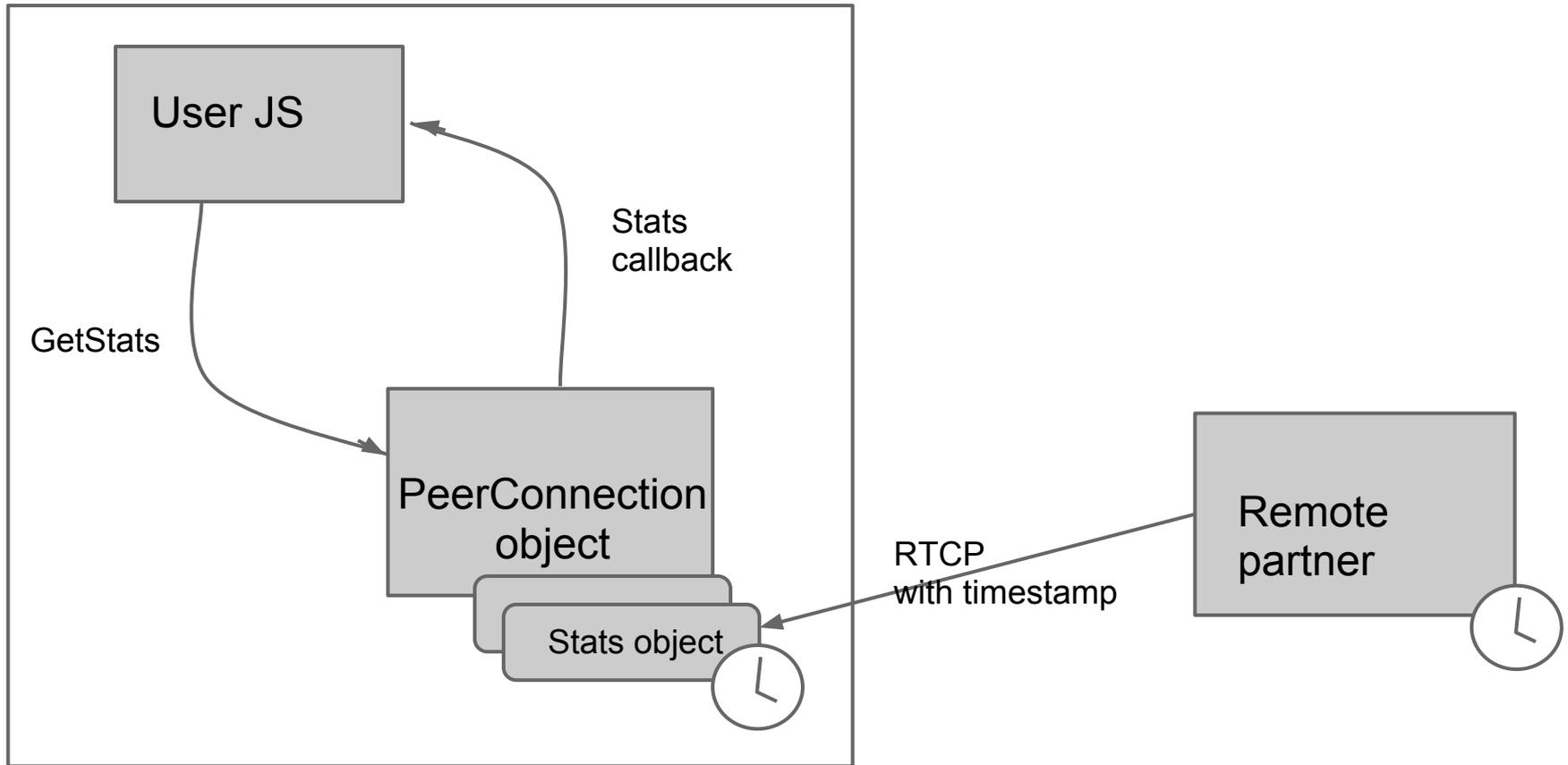# Stats API

Model, Status, Issues

Model (so far)

- Entity - Attribute model
- Unstructured entity list - snapshotted
- Entity has "local" and optional "remote" part
  - Timestamp attaches to "local" or "remote"
- Attributes are name-value pairs
- Attribute ames are a controlled namespace (IANA)
- Values are primitive types (int, string...)

Model for Stats API - calls

Implementation status

- API added to WebKit
    - M24: Apps can call it, but get no callback
    - Shortcut: All values are strings
- Patches in flight for getting the first stat out of Chrome - target canary after M24
- Demo app written to learn how to use API

Takeaways from TPAC

- Simplify: Lose the local/remote components of a stats object
- Critical: Relations between objects
  - Need names and pointers
  - ICE info will be poster child example
- Multivalued attributes cleaner than faceted names of attributes

Open Issues

- What objects should we represent?
  - Starting: draft-alvestrand-rtcweb-stats-registry
  - Contains only "completely obvious things"
  - ICE will be "complex use case"
  - Need use cases to drive expansion beyond that
- Security issues?