

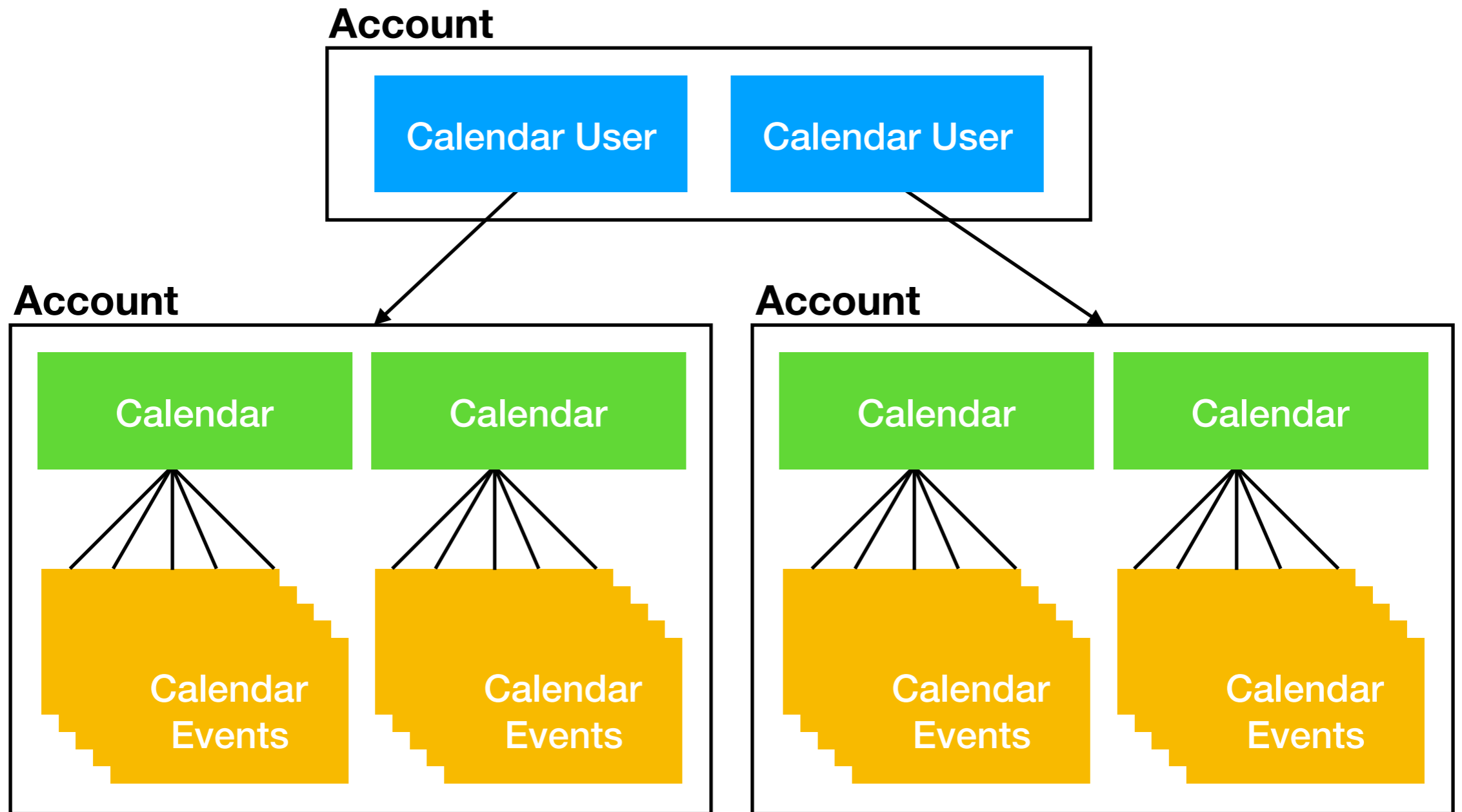
JMAP for Calendars

<https://tools.ietf.org/html/draft-ietf-jmap-calendars-00>

Design goals

- Use JSCalendar for event data model:
<https://tools.ietf.org/html/draft-ietf-calext-jscalendar-18>
- Server can provide consistent access to the same data via CalDAV so we have an upgrade path
- Just calendars; not trying to do tasks or journal entries

Data model



① /changes

- CalendarEvent/changes: should there be an “expanded” mode?
- Could be “infinite” changes if you change the recurrence rule.
- Could require ids of single recurrences have the prefix of the id of the master event, but expensive to process and breaks idea that Ids have no semantic meaning to the client.

② Namespacing CalendarEvent

- A CalendarEvent is a JSEvent object with a few JMAP-specific properties: id, calendarId, utcStart (computed from event data) etc.
- JSCalendar object can be extended with arbitrary extra properties (like iCalendar).
- There will be a registry: so can reserve JMAP namespace to avoid clash.
- Or could require prefix for “custom” properties (a bit like addressing headers in mail), e.g. custom:propname

③ Multiple calendars per event

- Pro: matches mail spec
- Pro: more flexible/powerful
- Con: Calendar properties may conflict (e.g. default alerts, time zone, ACLs).
- Con: More complicated and no one is doing this (so is there really demand?); harder for existing clients to adopt
- Con: Does not map easily to CalDAV

④ Alert Push

- Get a push event when an alert fires for the user.
- Not a StateChange event; would be a different type of push event (with accountId/eventId/recurrenceId/alertId).
- Pseudo-type? Or extra property in PushSubscription object; extra arg for Event Source?
- Do we want this? Mandatory? Separate capability?

⑤ iTIP (RFC5546)

- Need to send iTIP messages for scheduling.
- Send implicitly or explicitly?
- If explicit, how explicit? Arg to CalendarEvent/set? Or a separate method to say what to send?
- Document exactly what messages to send when? Or separate BCP doc?
- Document processing iTIP messages? Or BCP?

⑥ VAVAILABILITY (RFC7953)

- Punting to extension? It's definitely a separate capability anyway.
- Should keep it in mind, but not hold up design as it could be a large extra thing to spec.
- Any objections?