iTIP issues

Cyrus Daboo, Apple Inc.

Goals

- Revise iTIP 2446 to:
    - Clarify the specification.
    - Fix bugs.
    - Remove unused or poorly interoperable features.
- We should not be shy about cutting things out here in the interests of simplicity.

Recurrence

- Handling recurring meetings:
  - Updates to one or more instances.
  - Updates to all future instances.
  - Cancels of one or more or a range of instances.

No more RANGE

- RANGE was removed from 2445bis.

- Proposal:

  - Remove (a) item in each CANCEL description.

  - State that cancel for "this and future" means using a REQUEST and sending the entire current set (for unbounded case).

No more RANGE

- Cannot use RANGE to change all future instances.

- Proposal:

  - A change to all future instances means truncating the current recurrence set and then creating a new set with modifications applied.

  - Perhaps use RELATED-TO?

SEQUENCE

- When does SEQUENCE change?

- It is being used for two purposes:

  - As a synchronization aid.

  - As an indicator that some significant changer took place and an attendee needs to take some action.

SEQUENCE

- For synchronization we already have DTSTAMP. So lets just rely on that.

- For a change indicator who is really the authority on what a "significant" change is?

- The attendee always has to look at changes and make up there own mind. So SEQUENCE is superfluous there.

SEQUENCE

- Proposal:
  - Deprecate use of SEQUENCE.

COUNTER (etc)

- COUNTER/DECLINE-COUNTER rarely used.

- Can achieve COUNTER by declining a REQUEST and sending a comment suggesting an alternative.

- Proposal:

  - Remove COUNTER/DECLINE-COUNTER.

ADD/CANCEL

- Could be replaced by sending a REQUEST with the entire set with modifications done.

- Not very efficient for large set of instances.

- Best to keep these.

CANCEL

- How to cancel more than one?

  - Text says multiple RECURRENCE-IDs can be used, but 2445(bis) disallows that.

  - Proposal: fix text to say only one RECURRENCE-ID may be sent.

  - Multiple CANCELs are done by including multiple components.

ADD

- Text for ADD is misleading.
    - Seems to hint that it can be used to modify existing instances.
    - Wrong! Can only add completely new instances with it.
- Proposal:
    - Clarify text.

ADD/CANCEL

- For both of these there is a lack of explanation as to exactly what the CUA does.

  - For a CANCEL - add an EXDATE

  - For an ADD - add an RDATE

  - Proposal:

    - Fully explain the effect of these on the data already stored.

VFREEBUSY

- REPLY table requires FREEBUSY 1+, but what if free all the time?

- Proposal:

  - Change table to 0+.

- Also should clarify that FBTYPE is never equal to FREE