

Partial Presence

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Drafts in Question

- Draft-ietf-simple-partial-publish-01
 - For publishing partial updates
- Draft-ietf-simple-partial-notify-03
 - For notifications of partial updates

Updates

- Quite radical simplification
 - Re-write to use new partial format
 - Deleted now defunct tuple-specific text
- Changes in fall-back behavior and errors
 - First request always full PIDF
 - If subsequent PIDF-diff not supported, fall back to full PIDF
 - Server side always reverts back to stored “old” version if problems

Open Issues

- Error conditions
 - What if update is garbage (non-valid document)?
 - Proposal: Send a 400 and restart (new subscription, publication w/ full PIDF)
- Can PIDF and PIDF-diff be freely mixed?
 - Yes, no reason not to.
 - Requirement to wait for 2xx to full-state NOTIFY before sending partial
 - PUBLISH just works

Conclusion

- Affected by changes in partial presence format
affected by changes in data model
- New design is more elegant
 - Benefits *should* be even more apparent than before
 - Small change in presence → small update in NOTIFY

Annex: Example

```
<?xml version="1.0" encoding="UTF-8"?>
  <pidf-diff xmlns="urn:ietf:params:xml:ns:pidf-diff"
    entity="pres:someone@example.com"
    version="1">
    <add parent="presence" sel="*[4]">
      <![CDATA[
        <tuple id="ert4773">
          <status>
            <basic>open</basic>
          </status>
          <contact priority="0.4">mailto:pep@example.com</contact>
          <note xml:lang="en">This is a new tuple inserted between
            the last tuple and person element</note>
        </tuple>]]>
      </add>
      <replace sel="presence/tuple[@id="r1230d"]/status/
        basic/text()">open</replace>
      <remove sel="presence/tuple[@id="r1230d"]/rs:activity"/>
      <remove sel="presence/tuple[@id="r1230d"]/
        status/rs:activity"/>
      <replace sel="presence/tuple[@id="cg231jcr"]/
        contact/@priority">0.7</replace>
    </pidf-diff>
```