RPIDS

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Issues

- Changes since last IETF
- Organization
- Predictive items
- Informational items
- Completeness
- Capabilities proposal

Changes since last IETF

- Removed group notion
- Removed capabilities again (to avoid blocking on caller preferences)
- Renamed some elements
- Added <card>, <info>, <class>, <icon>
- Merged idle notion into one element

Additions: class parameter

- Allows grouping of elements by same name, assigned by PUA, PA or composer
- No specific meaning attached to values
- No uniqueness requirements
- Similar to HTML parameter used for cascading style sheets (CSS)
- Uses:
  - Rendering (e.g., for CSS or XSLT)
  - Filtering by watcher
  - Composition rules
  - Restrictions by presentity

Changes: <idle>

- Used for hinting at likelihood of finding presentity at device
- For some devices (e.g., cell phones), works best for short durations
- Change: empty element indicates some presentity-defined threshold of idle time

Logical groupings of elements

- Basic status indications: <activity>, <idle>, <until>

- Environment indications: <placetype>, <privacy>

- Rendering hints: <icon> (tuple), class

- Relationship indication: <relationship>

- Presentity description: <icon>, <card>

- Timed status: <timed-status>

Information about tuples/presentities: info, card, icon

- <info>: typically, home page, but could be ldap: or (future) CRISP reference
- By external reference (could be cid)
- Allows more useful rendering of tuples
  - E.g., some existing systems (GAIM) allow to assign icons to users, not just status
- Cannot be readily replicated in SIP Info headers if at tuple level (multiple!)
  - Also, with third-party publication, not clear if Call-Info refers to SIP entity or PIDF entity

Predictive presence

Document structure options

- Leave as is
- Split into
  - \<activity\>, \<idle\>, \<until\>, \<placetype\>, \<privacy\>, \<class\>
  - predictive presence: \<timed-status\>
  - presentity description: \<icon\>, \<card\>, \<info\>
  - capabilities

Open issue: DND

- In previous version, used priority indication: "only for urgent calls"

- Gone with removal of capabilities, but very common in commercial IM systems

- Proposal: either revive/revise callee capabilities quickly or import directly

Capabilities

- Old mechanism was syntactically clumsy and unnecessarily different from other descriptions → makes filtering and restrictions more difficult than necessary

- Treating labels as values violates XML design principles of tagged data, would be the same as doing
<x tag="body"><x tag="h1">Heading</x>

- New tags need to be registered with IANA anyway → might as well automatically 'translate' into XML element at the same time

Capabilities proposal

- <c:audio>true</c:audio>
  <c:video>true</c:video>
  <c:mobility>fixed</c:mobility>
  <c:methods>INVITE,MESSAGE</c:methods>