

draft-thomson-simple-cont-
presence-val-req

IETF-73, Minneapolis

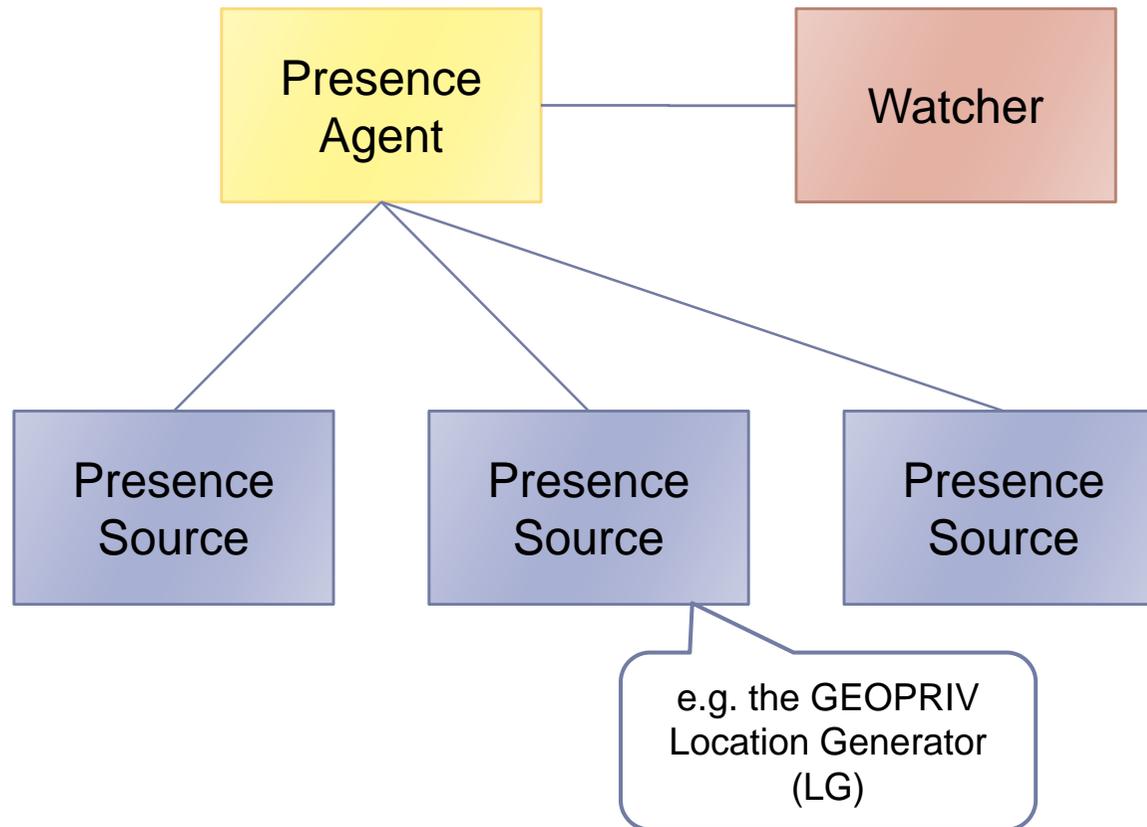
Location in Presence

- ▶ There is debate on how location information fits presence
 - ▶ And whether it should
- ▶ At the highest level of abstraction, this is easy
 - ▶ RFC 4079 sets the basic expectations
- ▶ Problems arise because location is a continuous datum
 - ▶ Trade-off between continuous measurement and continuous notification
 - ▶ Trade-offs on accuracy (quality) and timeliness

Draft goals

- ▶ Provide exposition for common understanding of problems with continuous-valued data
 - ▶ Location in particular, but not exclusively
- ▶ Set requirements for any solution that addresses continuous-valued data
 - ▶ Presence is likely, if it is accepted that these problems are worth solving in presence
 - ▶ The requirements apply equally to other systems
- ▶ Some aspects are being addressed already, maybe
 - ▶ draft-ietf-geopriv-loc-filters
 - ▶ draft-niemi-sipping-event-throttle

► Logical Model



Presence Sources

RFC 3856 implies that the source of presence data and its method of collection can be hidden from the Watcher

For continuous-valued data, interaction with the source can't be hidden without consequences for the Watcher

Draft Conclusions

- ▶ Watcher involvement in the measurement process is necessary with two primary aspects
 - ▶ Communicating Watcher preferences to the presence source...influencing the quality-cost trade-off made by the presence source
 - ▶ Providing adequate feedback to the Watcher...ensuring that the Watcher is adequately informed of how its preferences are being applied
- ▶ **The feedback loop needs to be improved**
- ▶ Some of these requirements are already addressed by existing work
 - ▶ Perhaps all that is necessary is to profile that work for location/continuous-valued information in one place