

atoca-requirements

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Two ways to get alerts

- Broadcast
- Subscription

Scale is, of course, the issue

- We have some tools for broadcast (e.g. multicast), but not widely useful because not widely supported
 - We would want to take advantage of it when we can
- We do manage to scale web queries, no reason to doubt we can scale broadcast
- The requirement is Internet scale

Connecting to alert sources

- Even multicast requires initial action on the receiver
- While some L2 specific mechanisms may be able to send alerts without any receiver action, can we assume a requirement that the receiver takes some action to connect to the alert source?

Not wanting to get too far ahead of ourselves

- If the receiver takes action to connect to the alert source, is this the same as subscription?
- We do clearly want to differentiate between “send alerts that affect me” and “send alerts that affect somewhere else”.
- That might only be what location the alert is for (“mine” or “this”)

Filtering

- Not all alerts are of interest
- Location as a qualifier is a given
- What other filters might be needed?
 - Source
 - Classification
 - Some kind of taxonomy
 - Severity
 - What else?