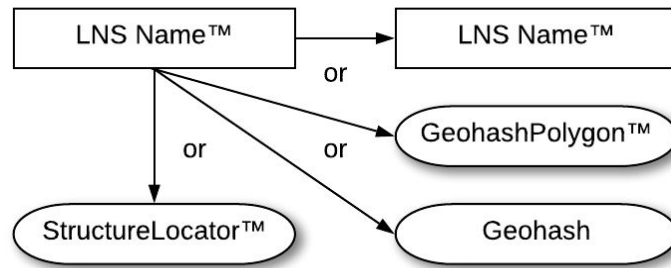
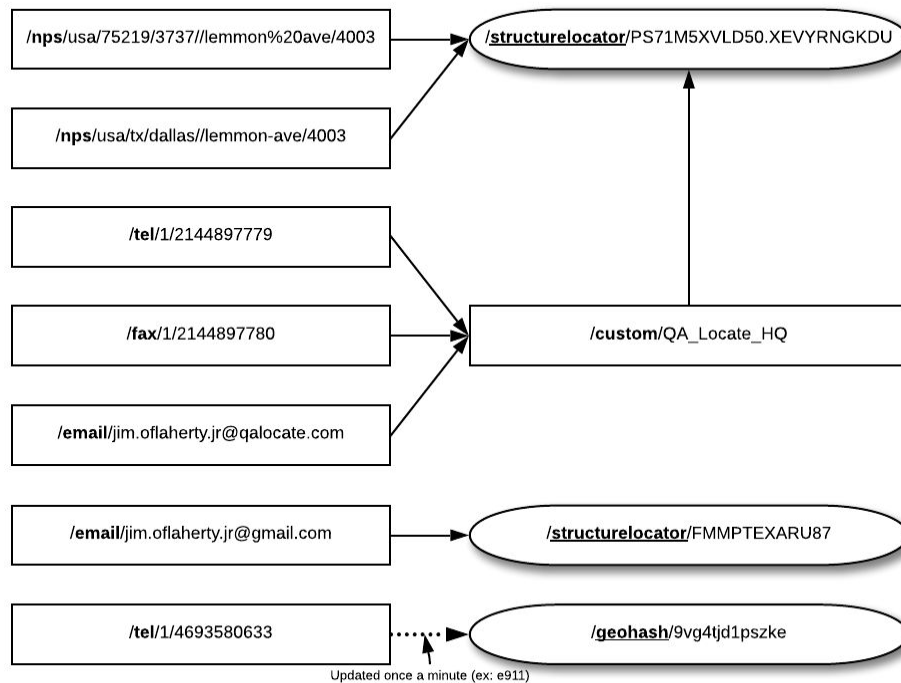


Location Naming System (LNS™) Overview

Entry Pattern:



Instance Examples:



The Critical Distinctions:

1. **Add Precise Location To Anything** - Whether it is a telephone number, a license plate, a driver's license number, any valid URL (web, email, ftp, etc.), or any entirely custom name, a unique location may be associated with it. And the association may be updated at any time. All systems polling the data point will receive the latest information in Near Real-time.

2. **Self-referential** - Enables the clustering of various types of data to be associated with the same location name which in turn can point to a different custom location name. This enables just updating a single LNS entry to redirect all upstream associations to a new location.
3. **Reactive** - Via IoT push events, the LNS provides Near Real-time Location Tracking which effectively enables establishing a location for an e911 emergency. Or, enables delivering a pizza to the exact right place on a crowded beach. Includes all of the opt-in/opt-out permissions and security you would expect.
4. **Single Update Point When You Move or Relocate** - Reduces the number of web-sites which must be visited to perform a change of address following a move or relocation. By using a personal email address as one's location (instead of a postal street address) in the LNS, each time a business needs to know one's current shipping address, their systems can request it from the LNS using said email address (which they ought already have).

Glossary of Terms:

- **StructureLocator™** - A mechanism for pointing to a structure (ex: building or parking lot) and its related subunit
- **Geohash** - An excellent high speed exact character encoding of a longitude+latitude value. It is the preferred method of storing a database value, but is terrible for human consumption and recall. [Here is a 5m Youtube video](#) which visually describes it using Google Maps.
- **GeohashPolygon™** - A method of using a Geohash as a "pixel" to then define irregular regions with a list of Geohash values of the same length (granularity). Enables a "spatial lookup" without requiring the use of a spatial data engine (server) from ESRI, PBSI, etc.
- **LNS™** - Location Naming System. Similar to the DNS (Domain Name System), it enables attaching a custom value (ex: contact@qalocate.com) to either an StructureLocator (building) or to a GeohashPolygon (region). By enabling the dynamic resolution of a location by a name at the instant it is needed, it facilitates preventing computer systems and databases from going out of sync if/when a person moves from residence to residence, from company to company, etc.
- **LNS™ Name** - A particular typed name entry within the LNS associated mutually exclusively to one of the following representations; StructureLocator, Geohash, GeohashPolygon, or LNS Name (to easily enable group associations).