Abstract

AtLongLat lets users share their location, from many devices, with web services via a developer platform focused on privacy and security.



Features

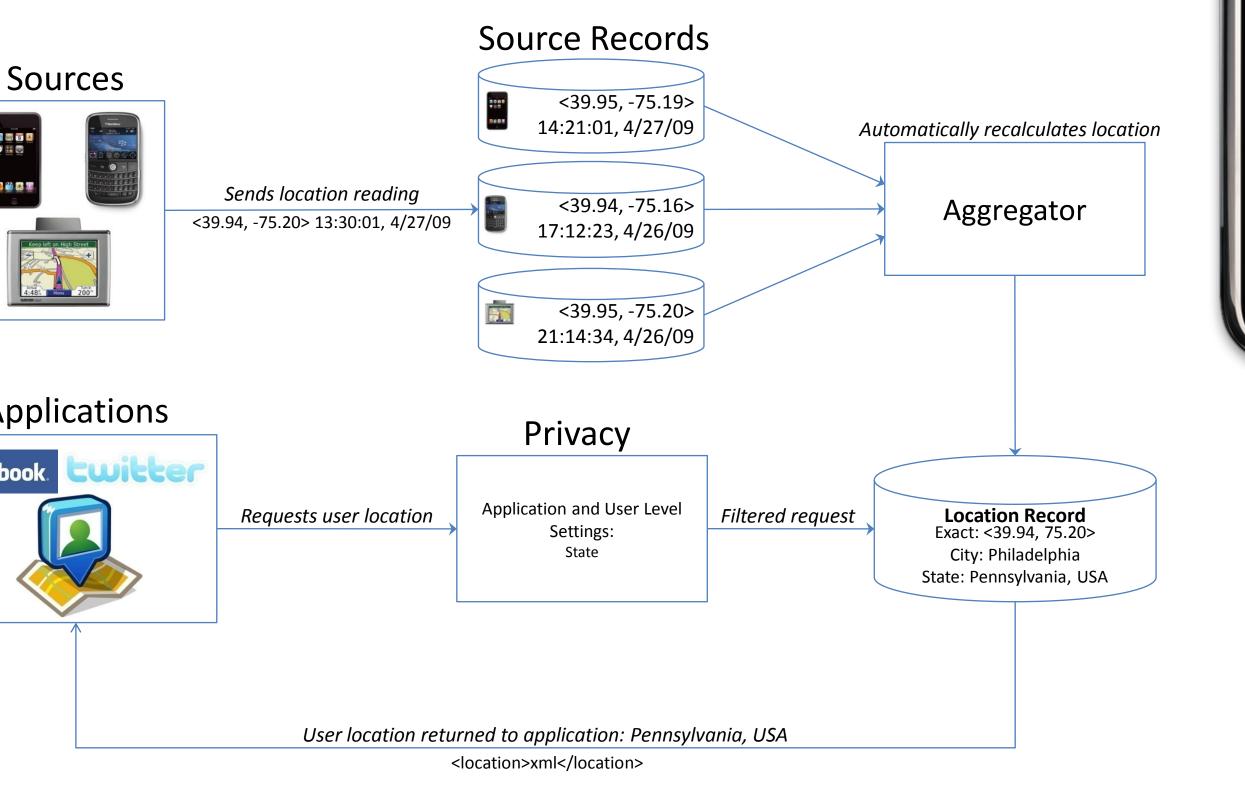
Location API	 Source / application requests via http OAuth authentication 	
		Keep left on High
Privacy settings	 Blackout range management User & application level options Proximity obfuscation 	4:432 Perce
		A so so li a
Consumer		Applic
portal	 Source, application, and privacy interfaces 	facebook
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Developer	 Application registration 	
portal	 Application gallery 	
Aggregator	Plug-in architectureAutomatic recalculation	

Senior Project Poster Day 2009, CIS Dept. University of Pennsylvania

AtLongLat!

Location aggregation and developer platform

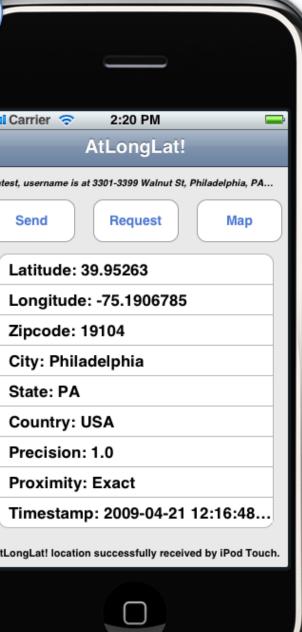
Architecture



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Screenshot







AtLongLat iPhone application sends and receives a user's location to and from the server

AtLongLat Updater authenticates and updates a user's location to the Twitter service

Conclusion

Designed and implemented a location brokering service to solve:

- location aggregation needs
- device independent location queries
- privacy issues of broadcasting