

Facility Architecture - Feature #1785

Expend ORM instance, live cache via Redis

2025-07-08 02:35 - Tab Tu

Status:	Closed	Start date:	2024-05-26
Priority:	Normal	Due date:	2024-07-31
Assignee:	Jennifer Jiang	% Done:	100%
Category:		Estimated time:	0.00 hour
Target version:		Spent time:	0.00 hour
Description			
<p>ORM for property searching becomes to legacy due to the tech stack upgrading. It is limited at the memory size on server (VM). Multiple singleton instances won't be able to support the increased data in VOW.</p> <p>Before 2022, the maximum live listing number is 70k in Jul/Aug, but now we are facing 100k available properties to be addressed onto memory which takes over 6GB or even more. Consider to use Redis for a better solution on performance searching.</p> <p>Involve cache to solve the over sea request with a better performance. Load-balance is considerable.</p> <p>We have some out dated servers which can be set as cache services.</p>			
Subtasks:			
Feature # 1800: Build redis instance at local			Closed
Task # 1801: Create VOW listing topics on redis			Closed
Task # 1802: Update VOW cache to available listings only			Closed
Feature # 1803: Migrate VOW recent 6 month SOLD data into cache			Closed
Feature # 1804: Migrate IDX/DDF into cache			Closed
Feature # 1805: Cache management			Closed
Feature # 1806: Test querying from cache			Closed