

CalSAWS

California Statewide Automated Welfare System

Design Document

SCR 207640 – Implement Work Managers to
Phonetic Search

CalSAWS	DOCUMENT APPROVAL HISTORY	
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1 OVERVIEW

The LRS application uses the Phonetic Search service for looking up names.

1.1 Current Design

The LRS application uses default work manager thread pools with fixed sizes to serve requests on the application servers. The Phonetic Search interfaces with external servers using same work manager thread pool.

1.2 Requests

Each open work manager thread consumes resources on the application server. If the Phonetic Search requests hang they will hold and use up threads from the default thread pool which can affect the overall application.

1.3 Overview of Recommendations

Update the LRS application to use a separate work manager pool for Phonetic Search transactions.

2 RECOMMENDATIONS

2.1 Update Phonetic Search interface to use a separate work manager pool

Phonetic Search architecture Interface will be updated to use a new Phonetic Search work manager pool for all requests to the Phonetic Search servers.

2.2 Configure Phonetic Search work manager

Configure Phonetic Search work manager in weblodic with correct maximum thread and capacity constraints.