

This document further describes at a high level the functional deliverables of the SEL Search Service as described in the initial project proposal.

Project Functional Areas

As shown in Figure 1, the project can be divided into three major functional areas. Each area is briefly described.

User Interface

The Search Client App is a simple application which provides a human interface to the Search Service.

The Service Config App provides a user interface for configuring the Search Service.

Search Service

The Search Service is the engine of the project. The RESTful interface provided by the Search Service will be documented and described such that a third party could create a correct implementation. The conformance tests are an executable suite of tests that validate the correctness of a Search Service implementation.

Search Data Provider

The Search Data Provider serves as an extensibility mechanism for the Search Service. It provides searchable content via a standard RESTful interface to the Search Service. Like the Search Service area, the Search Data Provider interface is well defined, with a suite of conformance tests. Note that Search Service is not required to exclusively use Search Data Provider sources. Other data sources may be searched by other means.

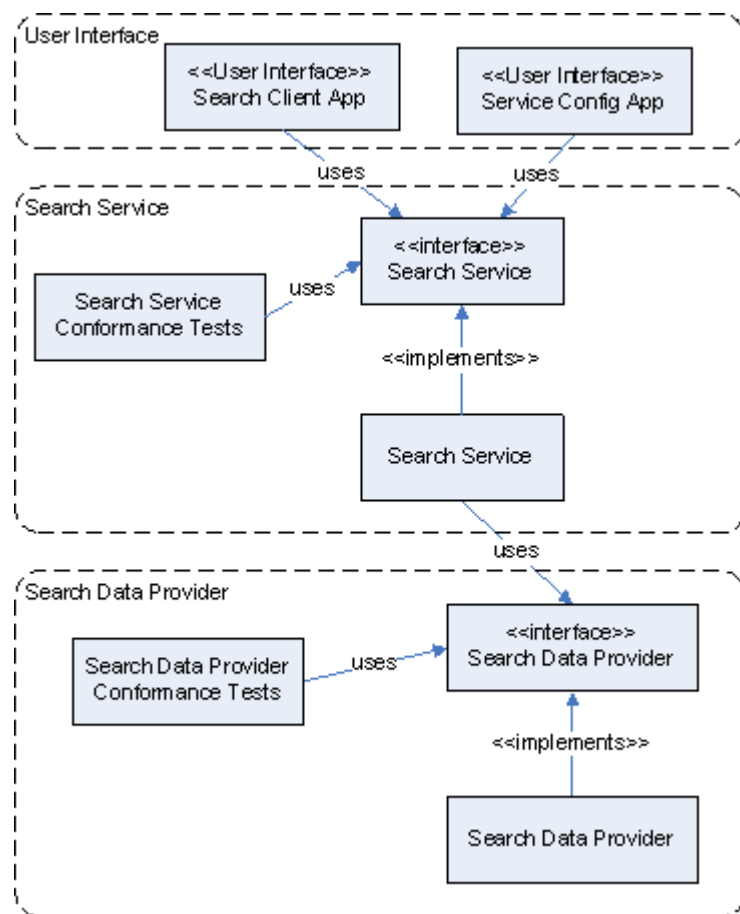


Figure 1: Module View

To demonstrate the extensibility of the Search Server + Search Data Provider combination, at least two example implementations will be created. One will provide time oriented meteorological data from an existing web service. The other implementation, to be determined, will provide a additional source for time oriented data.