

Search engines Apache Solr ElasticSearch	
Summary	
ID	OS03
Initiative	Solr ElasticSearch
Short description	<p>Powerful open source enterprise search platforms based on the Lucene Java search library at its core for full-text indexing and search, and has REST-like HTTP/XML and JSON APIs that make it usable from most popular programming languages.</p> <p>The first one, Apache Solr (written in Java), provides full-text search, hit highlighting, faceted search, real-time indexing, dynamic clustering, database integration, NoSQL features and rich document (e.g., Word, PDF) handling. Providing distributed search and index replication, Solr is designed for scalability and Fault tolerance. Solr is the most popular enterprise search engine.</p> <p>The second most popular enterprise search engine is ElasticSearch that provides a distributed, multitenant-capable full-text search engine with a RESTful web interface and schema-free JSON documents. Elasticsearch is developed in Java and is released as open source under the terms of the Apache License.</p>
Owner	Apache Lucene Elastic
Contact	Not Available/Not Found https://www.elastic.co/contact
Type	Tool
Sub-Type	Component
IPR	Apache License, Version 2.0
Status	Operational
More details	
Aggregated business need	ABN – 10 Need for services supporting data exchange
Documentation	Click Here: 01 Click Here: 02
EIRA	
View	Technical View - Application
Building Block	Application Service
Reusability	
Landscape	<p>The diagram illustrates the reusability of OS03 on a 2D plot. The vertical axis represents the domain specificity, ranging from 'Domain Specific' at the bottom to 'Domain Agnostic' at the top. The horizontal axis represents the adaptation effort, ranging from 'High adaptation effort' on the left to 'Plug and Play' on the right. A blue shaded region, labeled 'reusable', is centered in the plot. Within this region, 'cross-sector' is at the top and 'cross-border' is at the bottom. A purple dot, representing OS03, is located within the reusable region. A legend in the top right corner identifies the colors: brown for Framework, yellow for Service, and purple for Tool.</p>