



# THUNDERSTONE



## Sorting and Grouping

Administrators and searchers can optimize 'findability' by specifying how they want the Thunderstone Parametric Search Appliance to sort and/or group its query results. Results can be sorted and grouped by any defined attributes in the data, and any of the available fields can be used to provide navigation links enabling the searcher to browse the results.

## Ease of Integration

The DataLoad API allows you to load data from any source. Connectors are available for many common enterprise data sources. In addition, the Appliance can directly access existing databases. Built-in, advanced extraction tools can extract data from web pages or files that already exist. Using an XSL style sheet to customize the user interface provides complete control over the result format. Or you can integrate with your portal using XML.

The SOAP API allows users to more easily access the Appliance programmatically for the purpose of loading data and searching. It should integrate easily into any development environment that supports SOAP.

The Thunderstone Parametric Search Appliance delivers the flexibility and power of TEXIS plus the ease of use of an appliance. It provides an easy way to create applications that combine full-text and structured data without programming. Enabling full-text, keyword searches combined with a true parametric search on up to 50 data fields, this Appliance represents the next generation of Thunderstone search products powered by Thunderstone's TEXIS, a fully-integrated SQL RDBMS optimized for full-text search.

## Attribute-Enhanced Search

Parametric or attribute-enhanced search helps users narrow down their search to increase the relevance of their results. It also provides context to keyword search results and allows a user or administrator to sort results in the most meaningful way. For example, the parameters (defined attributes) of "author" and "publication date" would help you narrow the search if you are searching for information on a particular subject but you are only interested in results written by a specific author and published within a certain timeframe. Keyword, full-text search alone does not offer this ability.

## Flexibility

The Thunderstone Parametric Search Appliance can index and make searchable large quantities of full-text data with defined attributes ("price", "manufacturer", "publication date", "location", etc.) as well as targeted application database content, web content, file server-based content and other enterprise-based content in a variety of popular formats. It delivers more of the power of Thunderstone Taxis on a quickly deployed and easily maintained Appliance platform. Now organizations can have the application they want for less time and effort than they believed possible.

## SQL plus Full-Text Search

Supporting full-text keyword searches combined with a user-selected "filter" on up to 50 data fields, the Thunderstone Parametric Search Appliance allows complex queries utilizing standard SQL commands while also taking advantage of capabilities such as fuzzy logic, concept-based full-text searching and "bounded box" geographic searching.

## Unparalleled Capabilities

The Thunderstone Parametric Search Appliance brings greater Taxis-driven functionality than any other Appliance product on the market. It provides extreme robustness and scalability, coupled with server hardware customized for high performance. The enterprise search industry has never seen this level of capabilities offered in a plug-and-play environment.

## Data Security

The Thunderstone Parametric Search Appliance supports a variety of security protocols. Users will have the ability to see results only for documents they are authorized to view.

The Single Sign-On Authentication Helper for Windows environments lets the Appliance make use of ActiveDirectory-based authentication schemes for results authorization.

# Thunderstone Parametric Search Appliance Specifications

## Capacities

<b>Queries (sustained peak):</b> 1,000/minute
<b>Number of records, documents or web pages:</b> 250K, 500K, 1M, 2M, 5M, 10M or larger sizes (custom config.)
<b>Number of collections:</b> Unlimited
<b>Number of web sites:</b> Unlimited

## Parameters

<b>Supported Data Types:</b> Date, Integer, Number, Text, Position (lat/lon)
<b>Operators:</b> Search (<, >, =, IN, Text search, Geographic region,) Grouping, Sorting
<b>Maximum number of parameters:</b> 50

## Content Types

<b>File formats:</b> PDF, MS-Office, most word processors, many other formats
<b>Javascript/Flash:</b> Text and links indexed
<b>Databases indexed (whether or not web accessible):</b> Oracle, Microsoft SQL Server, MySQL, PostgreSQL, Sybase
<b>Binary file indexing:</b> Finds and indexes ASCII content within arbitrary binary files.
<b>Duplicate detection:</b> Automatically removes pages, or just headers/footers
<b>Foreign languages:</b> Automatic UTF-8
<b>Real-time data feeds:</b> Defined XML format

## Search Options

<b>Spelling checker:</b> Suggestions based on indexed text
<b>Find similar:</b> Automatic query-by-example link
<b>Wildcard:</b> Yes, *character
<b>Thesaurus:</b> Built-in
<b>Stemming:</b> Built-in
<b>Advanced search:</b> Control proximity, word forms, ranking

## Results Display

<b>Results ordering:</b> Date or relevance. Five user-controlled relevance "knobs."
<b>Predefined results:</b> "Best Bets" (admin-defined) forced to top
<b>Hit highlighting:</b> Query words in context
<b>Results formatting options:</b> HTML template, XSL, or XML
<b>Cached page text:</b> Yes, with highlighting
<b>PDF features:</b> Highlighting, jump to page in Acrobat Reader

## Administration

<b>Administrator interface:</b> web-based
<b>Look-and-feel:</b> Totally customizable
<b>Admin authorization:</b> Multiple administrators with distinct permissions
<b>User authorization:</b> Checked for each item of search results. Single Sign-On Authentication Helper for Windows environments (e.g. ActiveDirectory/SmartCard.)
<b>Reporting:</b> All queries; top queries; top words; no-hit queries; click-overs; error logs
<b>List crawled URLs:</b> Yes, ordered by depth, URL, date, or size
<b>Maintenance and upgrades:</b> Remote, automatic (OS and application)
<b>Redundancy:</b> Automatic data duplication (requires two appliances)
<b>Warranty:</b> Two years included; additional years optional

## Physical

<b>Form factor:</b> 2U rack mount
<b>Power Supply:</b> Redundant 450W
<b>Cooling Requirement:</b> 1500 BTU

## Warranty

With two-year warranty, support and upgrades included, and an optional maintenance program thereafter, Thunderstone ensures your peace of mind. In the rare event of a hardware failure, a replacement machine is cross-shipped. Two or more Appliances can be set up in a mirrored configuration for redundancy.
---

For more information contact:

THUNDERSTONE SOFTWARE LLC  
815 Superior Avenue E, Suite 2005  
Cleveland OH 44114

+1 216 820 2200

<http://www.thunderstone.com>

