CLUSTERPOINT

Clusterpoint is a NoSQL document database that unifies structured and unstructured data at scale, without compromise to your need to search it and query it fast.

Clusterpoint delivers outstanding value wherever data volumes are high, lots of that data is unstructured and a lot of that unstructured data is text.

Clusterpoint solutions apply to enterprises in the banking, insurance, telecommunications and healthcare sectors; as well as to governments and media companies.
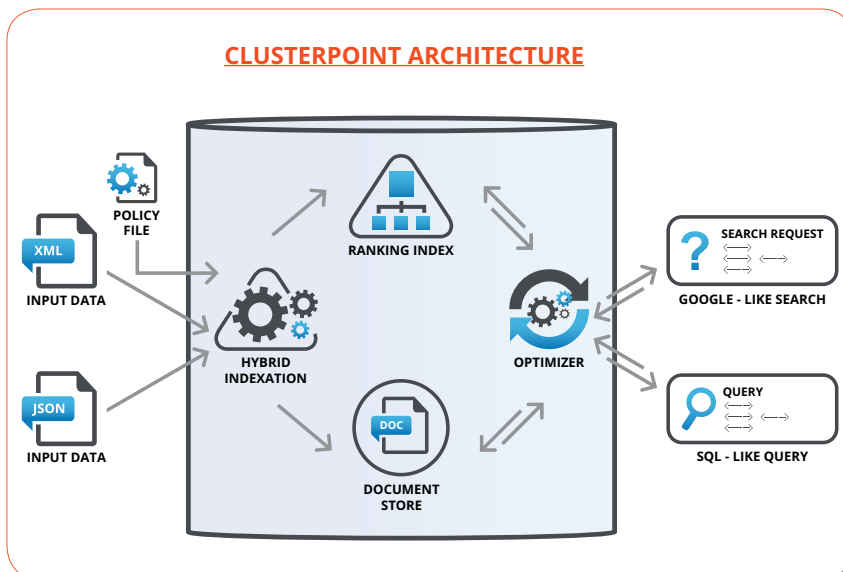
LOADING DATA

Clusterpoint inserts and indexes at a sustained rate of 1,500 records per second per core. Loading scales out across nodes using auto-sharding. Clusterpoint supports XML, JSON or delimited data input formats and you can use single record insert, array inserts or file based batch loads as appropriate.

INDEXING DATA

Hybrid indexation works in real-time and uses powerful user-defined policies to automatically establish information relevance. The result is a unified ranking index for each Clusterpoint store that is used to power Google-like search and SQL-like query access.

CLUSTERPOINT ARCHITECTURE

SEARCHING DATA

Clusterpoint's provides rich enterprise search across all data types. When you need free-form text search without prior knowledge of the underlying schema then Google-like search with ultra-fast performance is the way to go.

QUERYING DATA

Clusterpoint delivers SQL-like query with the facility to embed high performance full text search within the query itself. If you have knowledge of the underlying document structures then query is the way forward; embedding text search as required.

WHY ENTERPRISES CHOOSE CLUSTERPOINT...

All data types in a single database with search and query through one API

Ultra-fast Google-like search and SQL-like query on big data volumes

Elastic scalability; on-premise or in the cloud

Real-time indexing builds all data types into a single policy driven index

Rich enterprise search syntax for powerful text based retrieval

Aggregation simplifies the roll-up of summary stats based on text search keys.

Alerting triggers processes based on events matching complex text filters

Language support covers Java, Python, PHP, C, C++ and ASP

Event collectors & Internet Crawlers harvest data from standard sources

Simple and predictable licensing model based on CPU cores

CLUSTERPOINT IS DEPLOYED IN ENTERPRISES THAT NEED TO:

- Break down data silos and provide unified access to information assets
- Derive best value from unstructured content by using search based analytics
- Deliver next generation mobile apps using Google-like search for fast data access
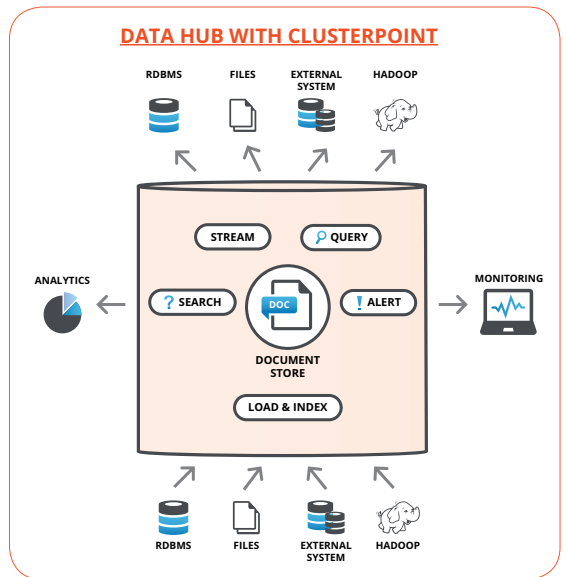
UNIFY YOUR DATA

Data or metadata extracted from existing systems (or data silos) is blended into a centralized Clusterpoint database – driving explorative analytics and delivering powerful search based apps.

BUILD YOUR DATA HUB

Data from internal systems mashed up with external feeds is used to build a hub; which is subsequently used to spin out selected data to downstream systems for consumption or analysis.

Clusterpoint excels as a data hub when:

- Everything needs to happen in real-time
- Extracts are based on rich text searches
- Alerts need to be triggered based on composite filters

DATA HUB WITH CLUSTERPOINT

MANAGE YOUR PRODUCT CATALOG

Data entries for hundreds of complex products are managed in a single database without the need for a rigid schema. Clusterpoint's use of XML helps you to quickly build point-of-sale applications, e-commerce sites and mobile apps that integrate seamlessly – speeding up the rollout of new product lines, pricing and promotions consistently across sales channels.

SEARCH AND ANALYZE YOUR BIG DATA ASSETS

Tens of terabytes of your data loaded, indexed and stored in real-time for explorative analysis on commodity servers. Clusterpoint's big data search is compelling to enterprises that want the 'big data benefits' but simply don't qualify for the petabyte Hadoop club.

CLUSTERPOINT'S 'ONE STORE, ONE INDEX, ONE ANSWER' PHILOSOPHY:

- Unifies all your data types into a single big data store for exploration
- Loads and indexes in real-time - reducing latency to eliminate 'information lag'
- Provides sub-second Google-like search and SQL-like query through a single API
- Performs aggregates and roll-ups 'on the fly' - using rich text search criteria
- Delivers high performance alerting in real-time based on powerful text search filters
- Reduces maintenance by simplifying applications and eliminating costly downstream re-designs
- Lowers your TCO by scaling out elastically on commodity hardware – on-premise or in the cloud

ABOUT CLUSTERPOINT

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