Clusterpoint Search Appliance

Data Sheet

“ … the average knowledge worker spends about a quarter of his or her day looking for information … “

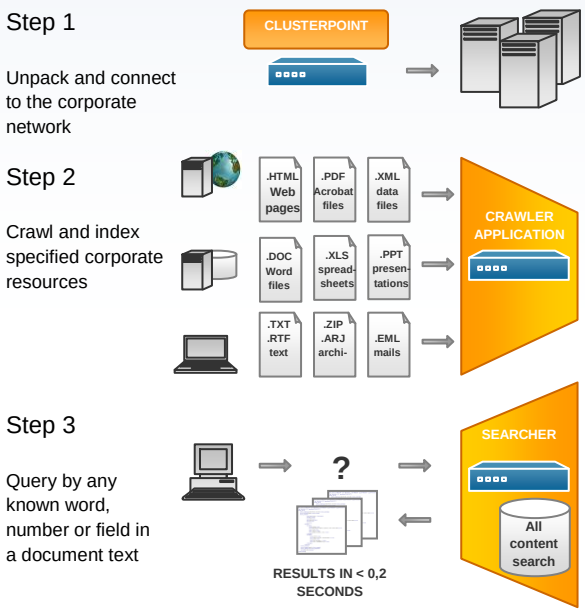
According to IDC and Delphi Group researches.

How about cutting information search and retrieval times 50 to 100-fold?

Turn-key Enterprise Search Solution

Clusterpoint search appliance (CSA) is a turn-key enterprise search solution for very fast full content data access in Intranets. CSA crawls and indexes specified file servers, corporate WEB and FTP servers, mails and document archives.
CSA helps both users and administrators, to find and manage information stored within the corporate network.

How does it work?



New Technology

Clusterpoint search appliance (CSA) is built on the innovative and proven Clusterpoint Database Management System (DBMS) that can store any data in XML format.
All the data stored are indexed.
That allows for sub-second searches in massive amounts of data while providing such features as multiple keyword searches with word forms, multi-language support, spelling suggestions, and snippets with search keyword highlighting.

Customizable data Relevance and Rate for better search results

The key to fast search results provided by CSA is a unique feature of Clusterpoint DBMS - the Clusterpoint Index™.
This n-dimensional index allows to set user-defined Relevance and Rate parameters for searchable documents. As a result, when searching information, the most relevant documents will be displayed right on the first page.

System Architecture

CSA has the following software components:

- Clusterpoint server
- Crawler application
- Searcher application
- Manager application

The core software for the Server and Crawler applications has been developed in C/C++ for best performance, even on contemporary commodity hardware systems.
The application itself runs on Linux OS, however all common management and configuration functions have been implemented in the Manager Application that can be accessed using a simple WEB browser interface.

Linear scalability

Every next appliance plugs into the network to operate as a distributed database, automatically merging multiple search results generated from a single query.
No need for box replacement when undertaking capacity upgrades or expansion.

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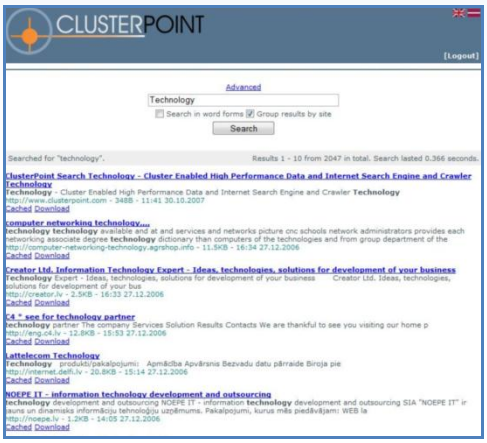
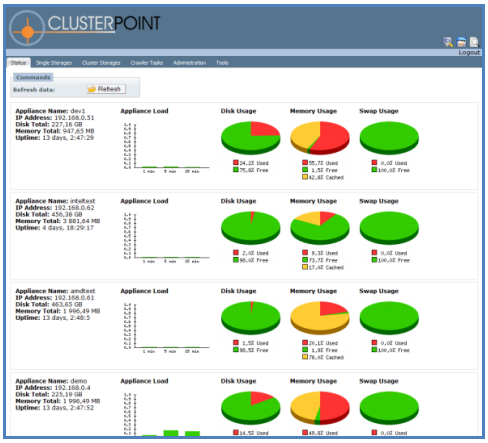
Appliance

- 1U rack mountable HP Proliant DL140G3 server appliance with Dual-Core Intel® Xeon® Processor, 2GB RAM;
- Two Integrated PCI Express Gigabit Server Adapters;
- Pre-installed Clusterpoint Search Appliance software package;
- Customizable Interface;
- Access through WEB interface.



Search interface example



Management interface example

End User Features

- Simple or Advanced search interface options;
- Search filtering – by language, file type, word form, duplicates, etc.;
- Document Page Rating – shows most relevant documents first;
- Spell-checking – as well as spelling suggestions;
- Cached documents – view cached documents even if web/file server is down temporarily;
- Highlighted query terms;
- Sort by relevance and rating – select two independent sort criteria to ensure that the user is getting the most relevant information first;
- Ignored words exclusion support – skip short frequent words in search queries (like “and”, “is”, “be”, etc.);
- WEB friendly navigation;
- Similar content search – search documents by content similarity to other documents.

Administration Features

- Centralized management;
- User security and group security based administration tool;
- Secure content – enables searching through password protected sites;
- Customized search results – customize search application page layouts;
- Full crawler management;
- Scheduling of indexing tasks;
- Multiple languages content - all data are stored as UTF-8;
- Full or partial index updates;
- Reporting and logging options.

Capacities

- Store and search millions of documents of typical size per single CSA hardware node;
- Multiple collections – build as many document storages with its separate search indexes as your hardware supports;
- Scale linearly the storage - use server clusters to multiply storage space, or mirror the data, or both.

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