



WiSE

Search Engine Software Package



probo

Site Search ASP/SaaS

Collection

Integration Application

1) Fast & Reliable !

BST's own innovation (original technologies and architectures), enables fast and reliable search performance for ten millions of documents or more.

2) ASP/SaaS and On-premise

BST offers both hosting service (ASP/SaaS) and on-premise software package according to customer's needs.

3) Multi and Advanced Crawlers.

BST's crawler covers variety kinds of information resources, such as web, RDB, social media, file server, etc.

4) Multiple Language Support

The product is suitable for use with global bodies for its internationalization and multiple language support. Documents written in multiple languages are stored in a single database by converting data to a Unicode format.

5) E-Commerce / Online Retailer

BST's EC series is a powerful search solution designed specifically with online and multi-channel retailers. Features includes, faceted navigation, keyword driven recommendation links (Promotion Links), input suggestion (query auto-completion) for search box, and others

6) Excellent track record

BST's products are selected by more than hundreds of customers including global enterprise, big EC site, government, etc.

7) Excellent Technical Support

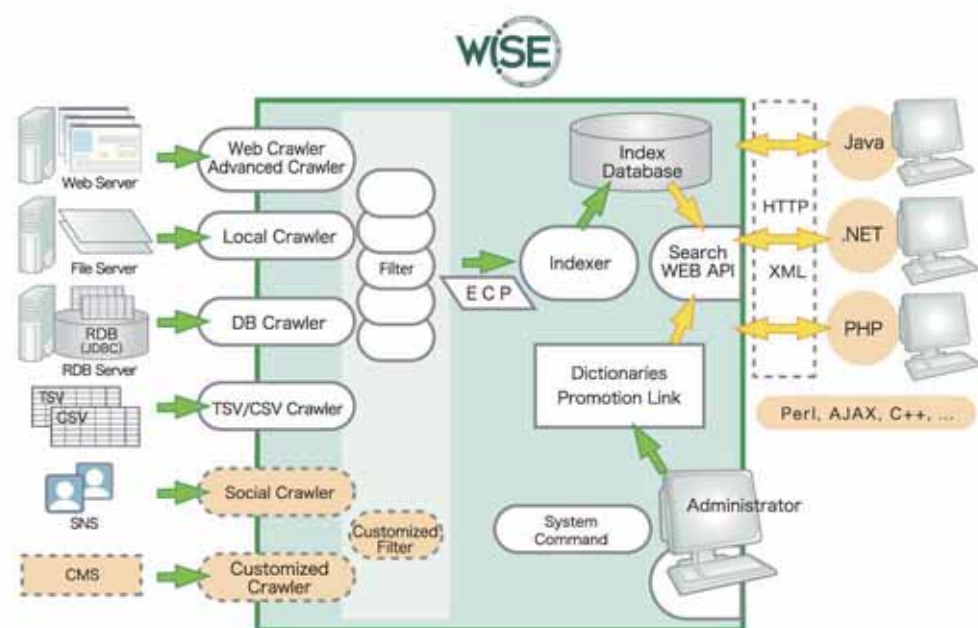
BST provides excellent technical support for entire implementation stages. BST engineers are ready to deliver right BST's expertise.

As the amount of available data grows, the problem of managing the information becomes more difficult, which can lead to information overload. Business Search Technologies Corporation (BST) proposes the solution for the information explosion utilizing its core search engine and crawling technologies.

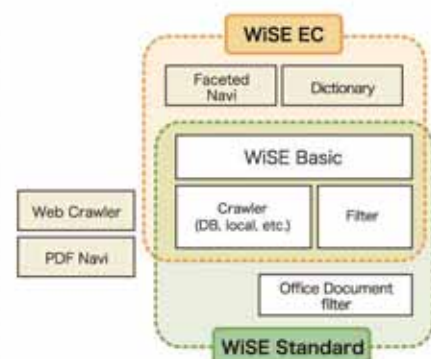
BST offers many kinds of products and services including ;

- User navigation system for EC/portal/corporate web site
- Information hub (mediation) system to deliver collected contents to multi devices (PC/tablet/smart phone. etc.).
- Social media curation system

System Outline & Architecture



WiSE Standard is a BST's core package software product which has various optional features, such as thesaurus and synonym management, faceted navigation, Web crawler (internet robot), etc. WiSE EC is designed specifically with E-commerce and portals sites. In order to develop search applications, indexing protocol (named ECP: Enhanced connector Protocol), and search API are available to developers, who can develop their own crawler, filter, and search application easily.



<Architecture of WiSE>

Products & services

WiSE (Worldwide Internet & Intranet Search Engine) is a on-premise software package product to implement a full-text search engine, and "probo" is a ASP/SaaS based search solution for enterprises, which can put a probo search box on their websites and enable prospective visitors and customers to find information instantly. Based on these two products, BST offers variety kinds of services and products according to customer's needs.



Search Engine Package Software



Site Search ASP/SaaS

se@rch

Web / Corporate site

Site search, Navigation



Contents Matching Tool



E-Commerce / portal site

Site search for E-Commerce



Web page auto creation tool



Multi-device Capabilities



Documents

Search & Browsing ASP/SaaS specialized for PDF



Collection / Release

Crawler for various types of contents



Twitter Collection / Filtering / Release System



SNS



API based Site Search ASP/SaaS





WiSE

Search Engine Package Software

Basic Search Features

N-gram (n-successive character strings) based indexing method. Two types of text cutting methods are applied to obtain best search results.

- N-gram cutting is best suited for Japanese, Korean, and Chinese texts.
- Word cutting by white space for other languages (e.g. English, French, Arabic, Russian, ...)
- Attribute Search
Range specification for numeric (integer & Floating point number), bit calculations. Attribute definition can be made up to 1000 by data type.
- 5 dimensional sorting
- Search support features
Keyword driven recommendation links promotion links, Query cash, Faceted navigation, User defined categories.
- Simple Search API
Application can throw search requests via HTTP, and receive results in XML format.

Indexer

Indexer makes index data base from ECP effectively and speedy.

- Incremental index update
- Double index for nonstop operation

Crawler

WiSE crawler is designed to index and search documents from various sources. WiSE has the following crawler on default basis.

- RDB Crawler
RDB data can be handled by using SQL select and simple setting. Major RDB can be handled using JCDB driver, such as Oracle, My SQL Server, IBM DB2, PostgreSQL, MySQL.)
- Local Crawler
The crawler collects data on the machine WiSE installed.
- CSV/TSV Crawler
CSV and TSV data can be also collected.

System Management

Administrator views custom reports and makes settings such as:

- Search Log Analysis (top queries, zero-hit queries, etc.)
- Thesaurus and synonym dictionary management with export/import function
- Keyword driven recommendation links (promotion links) management with export/import function.
- Registration of administrator related settings

Additional Features (Options)

In addition to default features, the following options are available.

WiSE Web Crawler (Internet robot)

Web Crawler gathers and categorizes information on the Internet.

Thesaurus and Synonym Management *1

User specific synonym and related words dictionary can be made by thesaurus and synonym management option.

Faceted Navigation *1

Faceted navigation option can provide distribution (histogram) over numeric and date attributes, configurable multiple tree categories, and query candidate words.

Office Document Filter *2

Through office document filter, Microsoft Office, PDF, and other major office documents can be handled. (optional for WiSE EC only. default function for WiSE Standard)

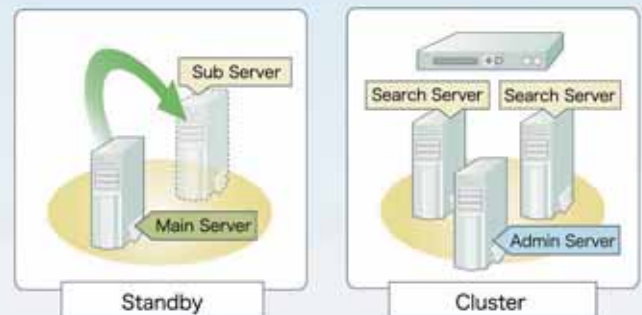
PDF Navi

PDF Navi can provide excellent search experience for PDF documents. Search result can be shown as PDF page basis (instead of PDF file name basis), and contents can be viewed without any downloads.

*1: Option for WiSE Standard. Default function for WiSE EC.

*2: Option for WiSE EC. Default function for WiSE Standard.

Multi Server Support



WiSE is designed to scale among distributed server environments. This feature is called "WiSE Clustering".

Standby

Nonstop operation if the primary server fails.

Load-balancing

Multiple search servers can be configured to provide hardware redundancy.

Distributed-search

Search servers can be scaled out to support massive amount of documents.

Dynamic re-configuration

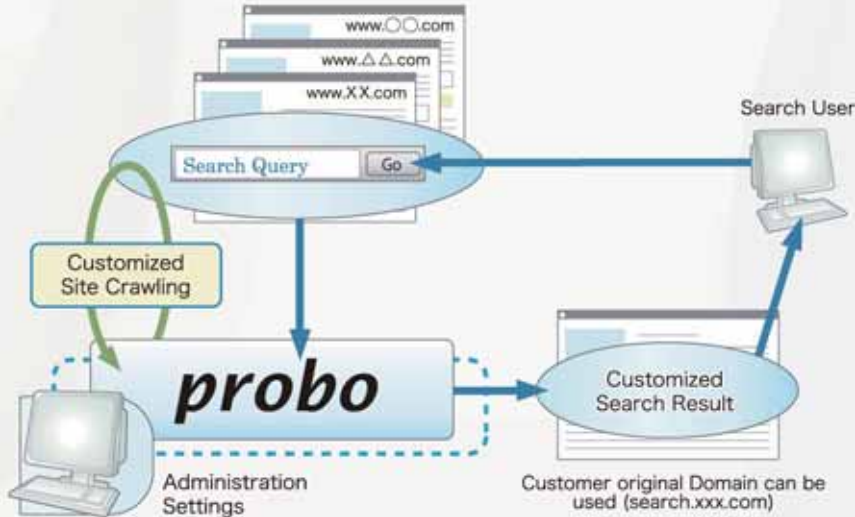
N+1(or any) Hardware redundancy can be configured.



probo

Site Search ASP/SaaS

The best and most reliable Site Search ASP/SaaS



<probo features>

Basic Features

- Search Log Analysis
- Promotion links
- Faceted Navigation
- Site Across Search
- Thesaurus and synonym dictionary

Additional Features

- Query auto-completion
- Thumbnail image search results
- Search result control
- Mash up search result
- Customized crawling
- Sitemap XML and landing page creation

Others

- Mobile & Smartphone solution
- Search API solution

probo is a hosted site search solution for various enterprise web sites and services, such as company web site, E-Commerce, etc. Customer can put a probo search box on its website and enable prospective visitors and customers to find information instantly.

Innovative Search, Browsing, and Gadget application for PDF documents. PDF Navi / Document Library

PDF Navi offers quite a new experience for site visitors who would like to find PDF documents instantly and effectively.

Page-based and thumbnail search result

Page-based and visualized search result make easy for users to reach directly to the expected PDF pages.

User Friendly Viewer

Sites visitors can view PDF contents without any documents and/or plug-ins download.

Viewer Gadget

New PDF sharing solution embedded on the site.



- ① Thumbnail search result by pages
- ② Thumbnail expansion/reduction
- ③ Page expansion for reading
- ④ Gadget viewer embedded on the site
- ⑤ User friendly cover flow type viewer

Web page auto creation tool !
probo site generator

Create new web page from existing contents automatically!

probo site generator makes new web pages from existing web contents. With probo site generator, customer can make unique contents, such as landing page for SEO, campaign page, etc.



Contents Matching Tool !
jackpot

Guide to relevant web sites!



jackpot guides site visitors to other web, such as corporate web site to its EC site, campaign sites, group company sites, etc.

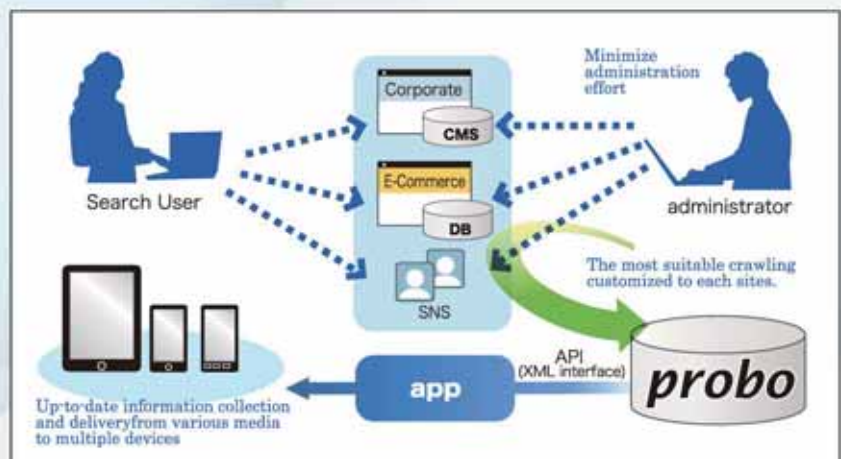
Content crawler for various types of contents, such as Web, SNS, Blog, etc.,
probo multi crawler

Collect and deliver necessary contents from various resources.

probo multi crawler offers the ability to collect the contents from web, SNS, and blogs, and deliver to multi devices, such as PC, tablet, and smart phone.

<probo advanced crawler>
advanced crawler is to collect contents along with attributes for each contents, such as name, price, size, etc. and provide organized data to multiple devices and applications through API.

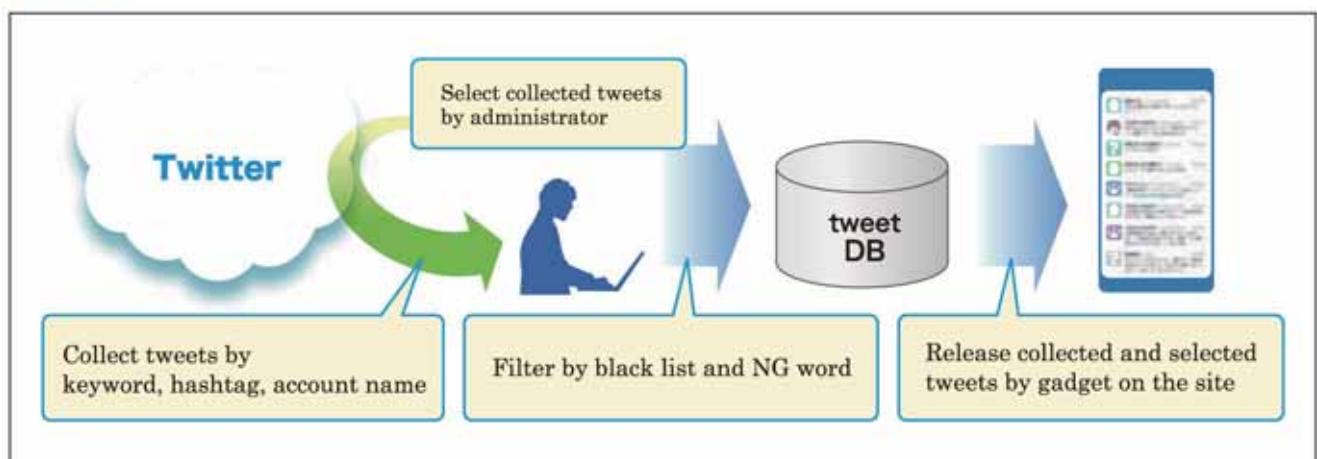
<probo social crawler>
Social crawler is to collect the contents from various social media, such as facebook, twitter, mixi, etc.



Real-time Twitter Collection / Filtering / Release System
Twise

Twise collects tweets according to theme and/or keyword on real-time basis. User can filter inappropriate tweets and post designated data on its website instantly.

■ Features



Implementation Case Study

Site Search

Query auto-completion

Faceted navigation by categories

**Promotion links
Keyword driven
recommendation links**

Mash Up search result

Faceted navigation by attributes.

Customizable search result display design

Thumbnail search result

Query relevant word by thesaurus and synonym dictionary

System management for administrator

Query candidate

Image rink

Faceted navigation by category, price, etc.

Customizable search result

E-Commerce Search

Breadcrumb list

Faceted navigation by category, price, etc.

Customizable search result

System management for administrator

Query candidate

Image rink

WiSE EC	Search software package for E-commerce and portal
WiSE Standard	Search software package for company web site & intranet

■Support OS

Linux版 : Red Hat Enterprise Linux ES/AS v.4 x86-64
 : Red Hat Enterprise Linux 5 x86-64
 : Red Hat Enterprise Linux 6 x86-64
 : MIRACLE LINUX v4.0
 : Asianux Server 3 for x86-64(64bit)
 : CentOS 4 x86_64
 : CentOS 5 x86_64
 : CentOS 6 x86_64

※Linux 64bit only.

■Recommended Hardware Platform

CPU : Operatable with the above support OS
 Memory : Minimum 2GB, 4GB ormore recommended
 Disk : Minimum 20GB

■Support Browser

Internet Explorer 6.0/7.0/8.0/9.0
 Firefox 12.0
 Safari 5.0
 Chrome 18.0

■Support Format

Text [text .txt .tsv] (JIS, EUC, SJIS, UNICODE, UTF-8)
 HTML [.html .htm]
 OpenDocument Format (ISO/IEC 26300) [.odf .odg .odp .ods .odt]
 OpenOffice Org 1.0 [.sxc .sxd .sxi .sxm .sxw]
 PDF 1.2-1.7 (Acrobat 4.0-9.0) [.pdf]
 Archive [.bz .bz2 .tbz .tbz2 .taz .Z .gz .tgz .tar .zip .lha .lzh]
 Mail (RFC822, RFC2557) [.eml .mht .mhtml]
 CSV(RFC4180) [.csv]

○ Office Document Filles

Microsoft Word [.doc .docm .docx]
 Microsoft Excel [.xls .xlsx .xlsm .xlsb]
 Microsoft PowerPoint [.ppt .pptx .pptm .ppsx .ppsm]
 Microsoft Visio [.vsd]

※Microsoft Office 95,97,2000,2002(XP),2003,2007,2010. Microsoft Office 98, 2001,2004,2008 for Mac Word, Excel, PowerPoint 2002(XP),2003,2007,2010 Visio

Ichitaro V5-V13,2004-2010 [.jaw .jwb .jfw .jtd]
 Rich Text Format [.rtf]

 **probo** Site Search ASP/SaaS

probo	Site Search ASP/SaaS
probo EC	Site Search ASP/SaaS for E-Commerce
probo site generator	Web site page auto generation tool
probo API	API based Site Search ASP/SaaS
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probo multi Crawler	Content crawler for various types of contents
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