

FAST Search & Transfer

Hvordan styrke beslutningsevnen ?

Presenter: Torstein Thorsen, VP, Tech. Lead

Forum: SOFTWARE 2006



FAST Search & Transfer

- Grunnlagt i 1997
- Finansielt sterkt
- 515 ansatte
hvorav ca. 150 i Norge
- 2.500 ++ Kunder
ca 60% i USA
- Forsker på, utvikler og selger software for
“Enterprise Information Access”



Gartner

“Leaders Quadrant: A Visionary Top Exec”

Vi er mest kjent som 'søkemotor'

The image shows two overlapping web browser windows from the early 2000s. The left window is Microsoft Internet Explorer displaying the IBM United States website. The right window is also Microsoft Internet Explorer, displaying the Sesam search engine results for the query 'dataforeningen'.

Left Window: IBM United States - Microsoft Internet Explorer

- Address: <http://www.ibm.com/us/>
- Page Content: IBM logo, 'Select country / region' dropdown, 'Resources for:' list (Home / home office, Small & medium business, Large enterprise, Government, Education, Developers, IBM Business Partners, Investors, Journalists), 'Jobs at IBM' (Training, Administrative support), 'AOL SERVICES' sidebar (Autos, BlackVoices, CityGuide, Jobs, Love@AOL, Maps & Directions, Movies, Music, Real Estate, Shopping, Travel), 'Want a better Internet Experience?' banner for Network for Good, 'About IBM | Privacy' at the bottom.

Right Window: dataforeningen - Sesam - Microsoft Internet Explorer

- Address: <http://www.sesam.no/search/?lan=en&c=d&q=dataforeningen>
- Page Content: Sesam logo, search filters (Norge, Verden), search results table, and a list of news items.

Sesamsøk	
Nyhetsøk	214
Bildesøk	41
Bedriftssøk	2

Hva søker du?	
dataforeningen	Sesamsøk

Norske nettsider: 9 229 treff på dataforeningen

Norske nyheter: 213 treff på dataforeningen

 - [Norsk RFID-senter stiftet](#) Digi.no, 30.01.2006
 - [Etablerer RFID-senter i Norge](#) Computerworld Norge, 30.01.2006
 - [Frykter digitalt kartell](#) Dagens Næringsliv, 02.09.2005

Den Norske Dataforening

...Dataforeningens mange e-postlister Den Norske Dataforening, Pb. 8874 Youngstorget, 0028 Oslo Telefon: 22364880, Telefaks: 22363701, E-post: post@dataforeningen.no Redaktør: Henrik Wigestrand, Webmaster: Marius Jørgenrud Drives av Idium Portalserver <http://dataforeningen.no/>

Den Norske Dataforening

...Dataforeningens mange e-postlister Den Norske Dataforening, Pb. 8874 Youngstorget, 0028 Oslo Telefon: 22364880, Telefaks: 22363701, E-post: post@dataforeningen.no Redaktør: Henrik Wigestrand, Webmaster: Marius Jørgenrud Drives av Idium Portalserver <http://www.dnd.no/>

DIR - Dataforeningen i Ringerike

...vant hele compoen på TG til min store glede :) 14. apr - 2004 16:52:55 Sitter du på bussen og har glemt hvor og når neste DIR LAN finner sted? Vel, logg deg inn på wap.dataforeningen.org med din mobiltelefon da vel :) 28. feb - 2004 03:41:39 <http://www.dataforeningen.org/>

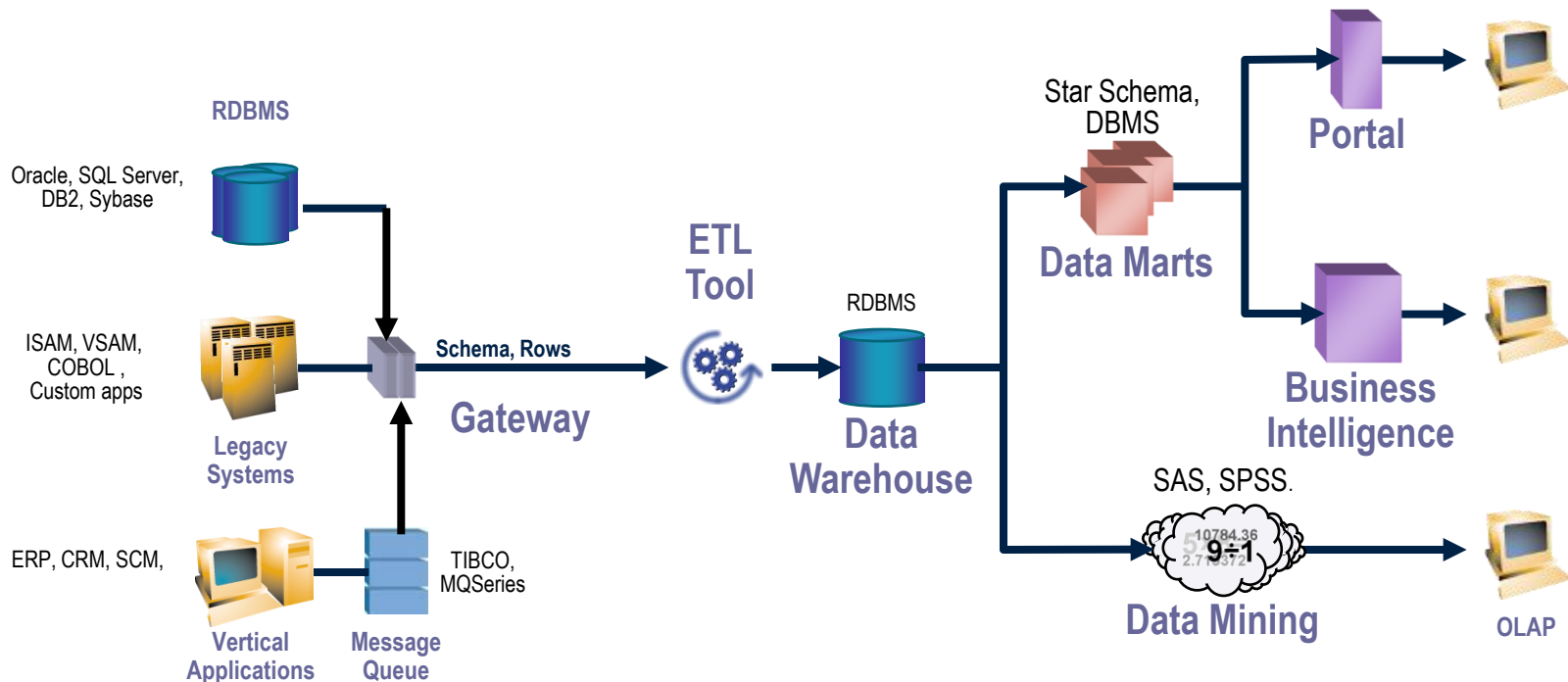
HWB.no - På IT-pub med Dataforeningen

...utrygge arbeidslivet som tema, og desembermøtet fortsatte trenden med temaet "Spenstige

Klassisk BI

- **Utfordringer**

- Batch-orientert
- Store begrensninger på skalering og ytelse
- Liten verdi fra bedriftens unstrukturerte data
- Ikke gode nok hjelpemidler for å øke datakvaliteten



Et litt anderledes 'søkegrensensitt'

This is Travel | Flights, hotels, holidays - reviews and guides - Microsoft Internet Explorer

Address: <http://www.thisistravel.co.uk/hotel/hotel-search.do>

This is Travel Dad what's French for happy mums?

Honest reviews · travel guides · cheap flights · hotels · holidays From the publishers of **Daily Mail**

Book it

- Hotels
- Flights
- Holidays
- Car hire/transfers

Inspire me

- Sun & sea
- Family holidays
- City breaks
- Faraway places
- Ski/active
- Spa breaks
- Cruises
- UK holidays

Destination guides

Weather

Search

for these words

Promotions

- Great offers from Thomas Cook
- Win The Traveller's Handbook!
- Win a London sightseeing cruise!
- Win a singles holiday!

Hotel results Search again »

We have found **8 hotels** in London

Your selections so far: **up to £100** **hair dryer** **tennis**

Narrow down your search further

Sort results by: **Star Rating** **Visitor Rating** **Price**

The Knightbridge Green Hotel From £100

London, United Kingdom

No star rating provided

One of London's best kept secrets. We are the perfect choice for a friendly, quiet, base to explore the vibrant sights and sounds of one of the worlds most exciting capitals! ... [More hotel info »](#)

Average visitor rating: from 7 reviews

[Check availability and prices »](#)

The Leonard Hotel And Residence From £35

London, United Kingdom

★★★★

It is a newly opened hotel and all 590 bedrooms are air conditioned, comfortable, well equipped and suitable for families. The hotel also has a restaurant, late bar and coffee... [More hotel info »](#)

Average visitor rating: from 3 reviews

[Check availability and prices »](#)

Destination

London

Price range

up to £100 [reset](#)

Star rating

--Any--

Room facilities

--Any-- [delete](#)

hair dryer

Hotel facilities

--Any--

Activities

--All-- [delete](#)

tennis

Number in () indicates number of hotels with

javascript: results.removeFacility.value='hair dryer'; results.offset.value=1; results.submit();

Internet

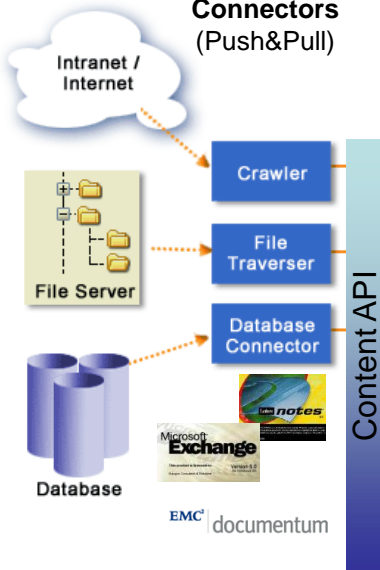
- **Dynamic Drill-Down**
 - Multi-dimensional navigation
 - Dynamic navigators
- **Adapted to current result**
 - Dynamic content
- **Any number of navigators**
 - FAST calculates the best ones
 - Some fixed, some varying

- FAST ESP kan håndtere både tekst, tall og datoer
- ... og aggregater
- ... og 'Fakta' (her representert ved 'hotel' objektet)
- ... og 'Dimensjoner' (pris, klasse, sted, tjenester)

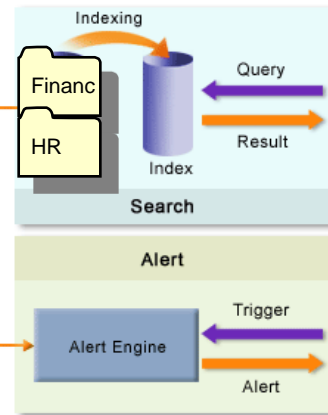
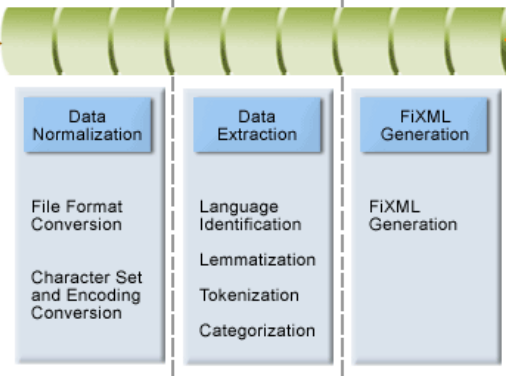
- Hmmmm.... 😊

Litt om teknologien. Lukk øynene dersom du har allergier ☺

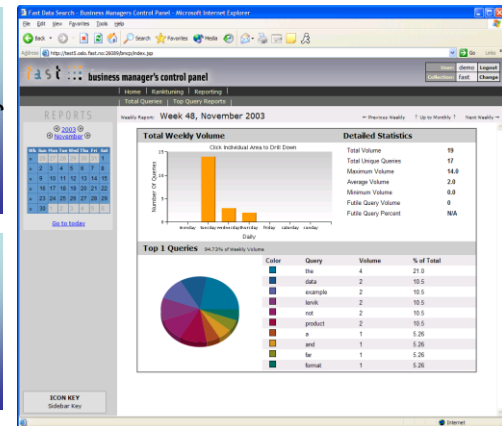
Connectors (Push&Pull)



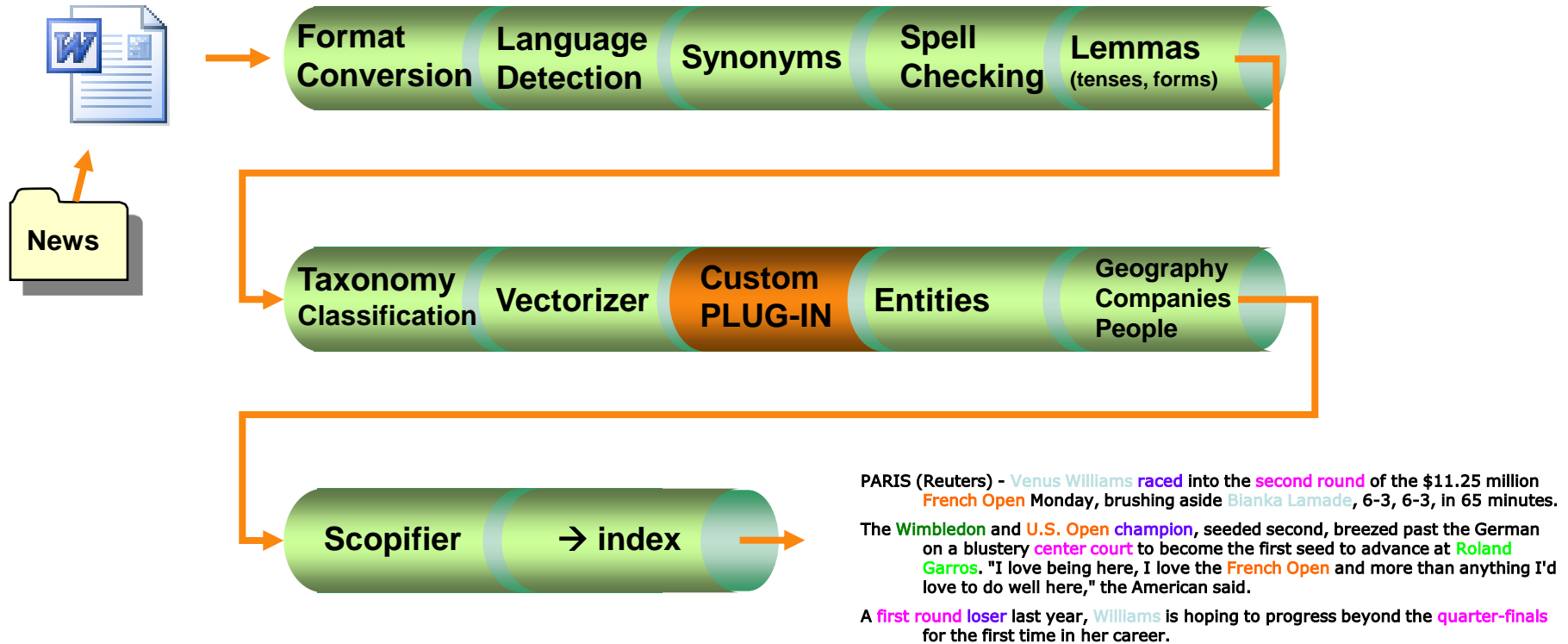
Data Processing Pipeline



Search Client



The Data processing Pipeline; Real-Time Content Refinement



Contextual Query Evaluation

“When has Ukraine had elections?”

<date>

“Ukraine”

“election(s)”

Person

Location

End of sentence

RECOGNIZED
ENTITIES

Politics Of Ukraine

[[In [July 1994], [Leonid Kuchma] was elected as [Ukraine]'s second president in free and fair elections.][[Kuchma] was reelected in [November 1999] to another five-year term, with 56 % of the vote.][International observers criticized aspects of the election, especially slanted media coverage; however, the outcome of the vote was not called into question.][In [March 2002], [Ukraine] held its most recent parliamentary elections, which were characterized by the Organization of Security and Cooperation in Europe ([OSCE]) as flawed but an improvement over the 1998 elections.][The pro-presidential "For a United [Ukraine]" bloc won the largest number of seats, followed by the reformist "Our [Ukraine]" bloc of former Prime [Minister Viktor Yushchenko], and the Communist Party.][There are 450 seats in parliament, with half chosen from party lists by proportional vote and half from individual constituencies.]]

Date

Base = 2002-03-XX

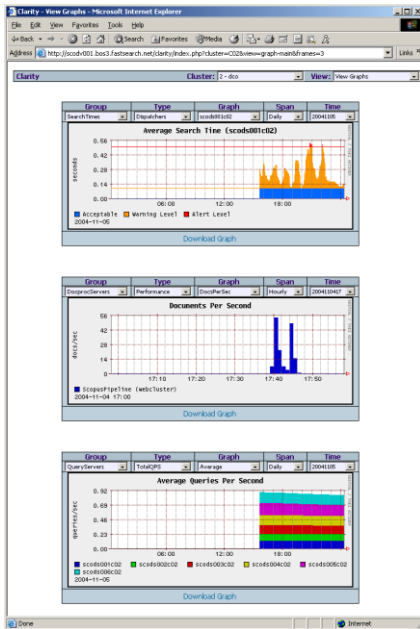
End of paragraph

Acronym

Definition = Organization of Security
and Cooperation in Europe

<person>
<company>
<location>
<acronym>
<date>
<filename>
<url>
<sentence>
<phone>
<zipcode>
<email>
<university>
<newspaper>
<price>

FAST ESP – *Skalering og ytelse*

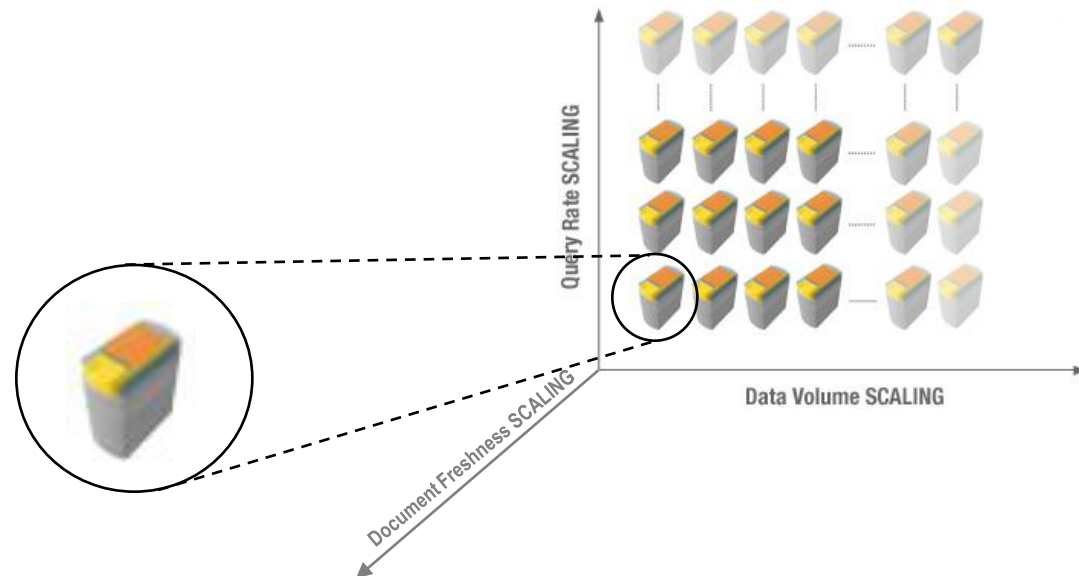


FAST Scalability Facts:

- Deployments with >4 PB , >90B documents/rec's
- Deployments with > 2000 queries per second
- Deployments with >500 updates per second
- Deployments with >1000 servers

Single Search Node Performance

- 10-50 Million documents
- 50-800 queries per second
- 20-50 ms response time
- Sub-Sec indexing of up to 50 updates per Sec



Case study 'Reuters Financial'

REUTERS Directory Return to Directory Home

Fixed Income Search

Search For: in **Any** Add

☐ Contains ☐ Starts With ☐ Exact

Add Criteria - EJV Data Search

☐ Pricing query ☐ Pricing attributes ☐ Condition ☐ Add

☐ Historical query ☐ Historical attributes ☐ Condition ☐ Add

Available Drill Down Navigators

Coupon Rate (%) Select a value

Option Adjusted Spread Select a value

Maturity Date (YYYY) Select a value

Worst Prepay Speed Select a value

Issuer Country Select a value

Worst Standard Yield Select a value

Face Outstanding (m) Select a value

Worst Corp Convexity Select a value

Search Definition

Click on any item below to remove it from the search definition

Valuation (Maturity Date After 20090101)

EJV Data Search (Segment Gov/Corp)

17958 Matches (0.2500 secs)

Bridge Symbol	Short Name
CA*:BCM-STR-0526	Canadian Imperial B
CA*:HQ-STR-0711A	Hydro-Quebec
CA*:BCE-STR-1127A	Bell CDA
CA*:HQ-STR-0310	Hydro-Quebec
CA*:HQ-STR-0513	Hydro-Quebec
CA*:BCM-STR-0520	Canadian Imperial B
CA*:HQ-STR-0714	Hydro-Quebec
CA*:BMO-STR-0211	Bank of Montreal
CA*:JL-STR-1111	Loblaw Co Ltd
US*:HON-0-0809	Honeywell Intl Inc.
CA*:HQ-STR-0813	Hydro-Quebec
CA*:BCE-STR-0614	Bell CDA
CA*:HQ-STR-0113	Hydro-Quebec
CA*:BCM-STR-0120	Canadian Imperial B
CA*:BCM-STR-0709	Canadian Imperial B

185.000 Selskap
2.100.000 Ulike aksjer
2.800.000 Aksje/Børs

REUTERS Search

Business Model

Several Financial Models in One Structure:

Equities:

Organisations issue Equity Instruments

which are traded on various exchanges (Quotes).

Debt:

Organisations issue Debt Instruments which are traded 'over the counter'

sellers (Contributors) Quote prices.

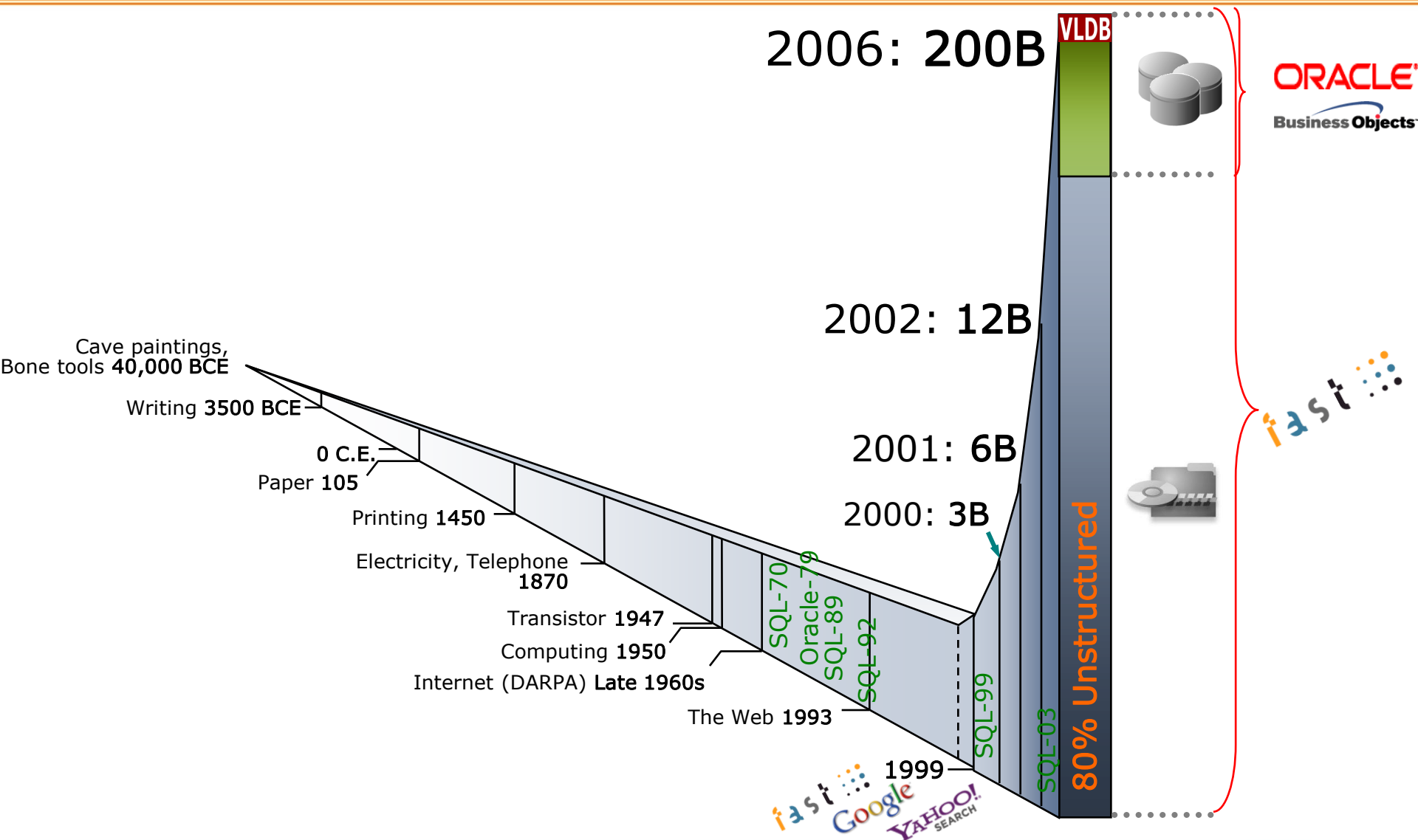
Money/FX:

Sellers (Contributors) Quote prices for Money Market Instruments.

432 'Facts'
83 Dimensjoner

Fact = aksjehandler
>550 oppdatering / Sec
>2000 spørsmål / Sec

Denne har dere sett mange ganger. Men ...



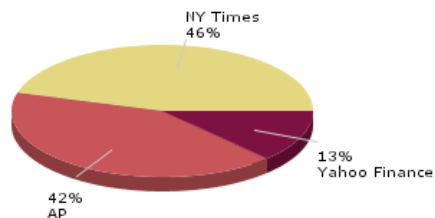
'Business' Intelligence

fast ESP™

»Sign in >>

See the past.
Know the present.
Shape the future.

:: Refine by Info Source



Click on the chart to drilldown

:: Refine by Persons and Roles



- ☐ Richard D. Parsons
 - ☐ Time Warner (chief executive)
- ☐ Lynn Fox
 - ☐ Google (spokeswoman)
- ☐ Sheryl Sandberg
- ☐ Edward I. Adler
- ☐ Nicholas Longo
- ☐ Eric E. Schmidt
- ☐ Mr. Parsons
- ☐ Jordan Rohan
- ☐ Adam M. Smith
- ☐ David Edwards

:: Refine by Related Quotations



- ☐ Mr. Smith
- ☐ Ms. Schroeder
- "That is really turning it on its head,"
"How is an author even supposed to
know that his or her work is being
copied?"
- ☐ Mr. Lee
- ☐ Mr. B...

Home > Search for **google** (281)

google



[Go to advanced search](#)



The results are predominantly **positive**

- 78.42%** of the documents have the interpretation: **positive** (explore them)
Example of associations: personal data, unauthorized access, information online, recent client, serial number
- 17.63%** of the documents have the interpretation: **negative** (explore them)
Example of associations: fierce criticism, early trading, major providers, increasingly bitter, surprising investors

:: Search Results

1-10 of 281 results. [Next >>](#)

Sort by: **relevance** | [date](#)

» Suit Accuses Google of Infringing Patents

source: [NY Times](#) | | Dec 31, 2005 00:00:00

Google, the Internet search engine, has been accused in a lawsuit...system. The plaintiff, Rates Technology, contends that **Google** Talk, a voice-over-Internet service, infringes patents...rates so cheaper calls can be made. The complaint says **Google** has been infringing the patent "within the past six years...>>

[find similar](#)

» Google Will Have the Right to Sell Its 5% Stake in AOL by 2008

source: [NY Times](#) | | Dec 24, 2005 00:00:00

Google will have the right to sell its new 5 percent stake in America Online as soon as July 1, 2008, according to regulatory filings yesterday by both **Google** and Time Warner, AOL's parent. On Tuesday, the companies announced that **Google** would buy the stake in AOL for \$1 billion, saying the move represented a vote of...>>

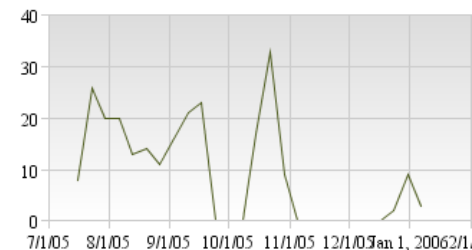
[find similar](#)

» Google Dips Into the World of Print Advertising

source: [NY Times](#) | | Sep 1, 2005 00:00:00

Google, which built a lucrative business in online advertising...clients of its vast online system. The first incarnation of **Google**'s program resembles an old-fashioned business known as...brokering, which has largely been shunned by major publishers. **Google** said yesterday that the program was a test and declined...>>

:: Refine by Exposure



— Exposure

Click on the chart to drilldown

:: Refine by Related Organizations



- ☐ Google (281)
- ☐ Yahoo (120)
- ☐ Microsoft (118)
- ☐ Ebay (43)
- ☐ America Online (42)

[See more items](#)

:: Similar Searches (3)

- » **Google**
by weblogic
20 articles
- » **google sok**
by anders
22 articles
- » **Private companies rel Google**
by weblogic
21 articles

Hva gjør du hvis du har ...

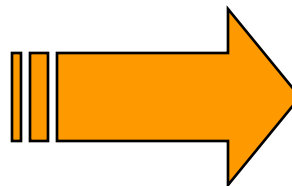
Kunde records fra SAP @ HQ

	id	lastname	firstname	address	city	state	zip
1	172-32-1176	White	Johnson	10932 Bigge Rd.	Menlo Park	CA	94025
2	213-46-8915	Green	Marjorie	309 63rd St. #411	Oakland	CA	94618
3	238-95-7766	Carson	Cheryl	589 Darwin Ln.	Berkeley	CA	94705
4	267-41-2394	O'Leary	Michael	22 Cleveland Av. #14	San Jose	CA	95128
5	274-80-9391	Straight	Dean	5420 College Av.	Oakland	CA	94609
6	341-22-1782	Smith	Meander	10 Mississippi Dr.	Lawrence	KS	66044
7	409-56-7008	Bennet	Abraham	6223 Bateman St.	Berkeley	CA	94705
8	427-17-2319	Dull	Ann	3410 Blonde St.	Palo Alto	CA	94301
9	472-27-2349	Gringlesby	Burt	PO Box 792	CA	CA	95428

Felles kundeliste. Uten dubletter?

Andre Kunder fra en fusjonspartner ...

	id	lastname	firstname	address	city	state
1	807-91-6654	Panteley	Sylvia	1956 Arlington Pl.	Rockville	MD
2	527-72-3246	Greene	Morningstar	22 Graybar Hou...	Nashville	TN
3	722-51-5454	DeFrance	Michel	3 Balding Pl.	Gary	IN
4	712-45-1867	del Castillo	Innes	2286 Cram Pl. #.	Ann Arbor	MI
5	341-22-1782	Smith	Meander	10 Mississippi Dr.	Lawrence	KS
6	899-46-2035	Ringer	Anne	67 Seventh Av.	Salt Lake City	UT
7	998-72-3567	Ringer	Albert	67 Seventh Av.	Salt Lake City	UT
8	172-32-1176	White	Johnson	10932 Bigge Rd.	Menlo Park	CA
9	486-29-1786	Locksley	Charlene	18 Broadway Av.	San Francisco	CA
10	427-17-2319	Dull	Ann	3410 Blonde St.	Palo Alto	CA
11	846-92-7186	Hunter	Sheryl	3410 Blonde St.	Palo Alto	CA
12	672-71-3249	Yokomoto	Akiko	3 Silver Ct.	Walnut Creek	CA
13	724-08-9931	Stringer	Dirk	5420 Telegraph	Oakland	CA



	id	lastname	firstname	address
1	172-32-1176	White	Johnson	10932 Bigge R
2	213-46-8915	Green	Marjorie	309 63rd St. #
3	238-95-7766	Carson	Cheryl	589 Darwin Ln
4	267-41-2394	O'Leary	Michael	22 Cleveland /
5	274-80-9391	Straight	Dean	5420 College /
6	341-22-1782	Smith	Meander	10 Mississippi
7	409-56-7008	Bennet	Abraham	6223 Bateman
8	427-17-2319	Dull	Ann	3410 Blonde S
9	472-27-2349	Gringlesby	Burt	PO Box 792
10	486-29-1786	Locksley	Charlene	18 Broadway /
11	527-72-3246	Greene	Morningstar	22 Graybar Hc
12	648-92-1872	Blotch-Halls	Reginald	55 Hillsdale Bl
13	672-71-3249	Yokomoto	Akiko	3 Silver Ct.
14	712-45-1867	del Castillo	Innes	2286 Cram Pl.
15	722-51-5454	DeFrance	Michel	3 Balding Pl.
16	724-08-9931	Stringer	Dirk	5420 Telegra
17	724-80-9391	MacFeather	Stearns	44 Upland Hts
18	756-30-7301	Karean	Livia	5720 McAndrew


Andre systemer? Regioner?

	id	lastname	firstname	address	city	state
1	807-91-6654	Panteley	Sylvia	1956 Arlington Pl.	Rockville	MD
2	527-72-3246	Greene	Morningstar	22 Graybar Hou...	Nashville	TN
3	722-51-5454	DeFrance	Michel	3 Balding Pl.	Gary	IN
4	712-45-1867	del Castillo	Innes	2286 Cram Pl. #.	Ann Arbor	MI
5	341-22-1782	Smith	Meander	10 Mississippi Dr.	Lawrence	KS
6	899-46-2035	Ringer	Anne	67 Seventh Av.	Salt Lake City	UT
7	998-72-3567	Ringer	Albert	67 Seventh Av.	Salt Lake City	UT
8	172-32-1176	White	Johnson	10932 Bigge Rd.	Menlo Park	CA
9	486-29-1786	Locksley	Charlene	18 Broadway Av.	San Francisco	CA
10	427-17-2319	Dull	Ann	3410 Blonde St.	Palo Alto	CA
11	846-92-7186	Hunter	Sheryl	3410 Blonde St.	Palo Alto	CA
12	672-71-3249	Yokomoto	Akiko	3 Silver Ct.	Walnut Creek	CA
13	724-08-9931	Stringer	Dirk	5420 Telegraph	Oakland	CA

FAST ESP er fantastisk til å overse småfeil...

488941 britney spears	121 bridney spears	44 britney spears	21 briany spears	12 btriney spears	8 britanys spears	6 brtanny spears	4 bnritney spears
40134 brittany spears	121 britainy spears	39 brienty spears	19 birney spears	12 britrney spears	8 britley spears	6 brittany spears	4 brandy spears
36315 brittney spears	121 britmey spears	39 brritney spears	19 brirtney spears	12 rittany spears	8 britneyb spears	6 bruttany spears	4 brbritney spears
24342 britany spears	109 brietney spears	36 bbritney spears	19 britnaey spears	11 braitney spears	8 britnrey spears	6 brytany spears	4 breatingy spears
6633 briteny spears	109 brithny spears	36 briitany spears	19 britnee spears	11 brettney spears	8 britty spears	6 btiiny spears	4 breetney spears
2696 britteny spears	109 britni spears	36 britanney spears	19 britony spears	11 britamy spears	8 brittner spears	6 pretny spears	4 bretiney spears
1807 briney spears	109 brittant spears	36 briterny spears	19 brittany spears	11 britery spears	8 brottany spears	6 ritany spears	4 brfitney spears
1635 brittny spears	98 bittney spears	36 britneey spears	19 britttney spears	11 britnary spears	7 baritney spears	5 bbritany spears	4 briattany spears
1479 brintey spears	98 brithey spears	36 britnei spears	17 birtny spears	11 brittent spears	7 birntey spears	5 bbrittney spears	4 brieteny spears
1479 britanny spears	98 brittiany spears	36 brittini spears	17 brieny spears	11 bruttney spears	7 biteney spears	5 biitney spears	4 briety spears
1338 britiny spears	98 btitney spears	32 britbey spears	17 brintty spears	11 pritny spears	7 bitiny spears	5 bitny spears	4 briitny spears
1211 britnet spears	89 brietny spears	32 britneu spears	17 brithy spears	10 bitaney spears	7 breateny spears	5 breathny spears	4 briittany spears
1096 britiney spears	89 brinety spears	29 britent spears	17 brittanie spears	10 brenty spears	7 brianty spears	5 breney spears	4 brinie spears
991 britaney spears	89 brintny spears	29 brittnany spears	15 brinney spears	10 bristney spears	7 brintye spears	5 brethney spears	4 brinteney spears
991 britnay spears	89 britnie spears	29 britttany spears	15 britten spears	10 britay spears	7 britianny spears	5 brettny spears	4 brintne spears
811 brithney spears	89 brittney spears	29 btiney spears	15 briterney spears	10 britinny spears	7 britly spears	5 bridny spears	4 britaby spears
811 britney spears	89 brittnet spears	26 birttney spears	15 britheny spears	10 brittaany spears	7 britnej spears	5 brigney spears	4 britaey spears
664 birtney spears	89 brity spears	26 breittney spears	15 britneny spears	10 brittany spears	7 britneyu spears	5 briittney spears	4 britainey spears
664 brittney spears	89 ritney spears	26 brinity spears	15 brittamy spears	10 brittini spears	7 britniny spears	5 brinaty spears	4 britinin spears
664 briteney spears	80 bretny spears	26 britenay spears	15 brittney spears	10 brittyny spears	7 britnnay spears	5 brinay spears	4 britinney spears
601 bitney spears	80 britnany spears	26 britneyt spears	15 brytnei spears	10 britteny spears	7 brittinn spears	5 brinetty spears	4 britmney spears
601 brinty spears	73 brinteney spears	26 brittan spears	15 btriney spears	10 brutany spears	7 briyny spears	5 brinitty spears	4 britnear spears
544 brittany spears	73 brittainy spears	26 brittne spears	15 rittney spears	9 bitteny spears	7 brrittany spears	5 brinny spears	4 britnel spears
544 britnay spears	73 pritney spears	26 btiittany spears	14 brinet spears	9 brinttany spears	7 brttiney spears	5 brintery spears	4 britneuy spears
364 britey spears	66 britnany spears	24 beittney spears	14 britneyy spears	9 britanay spears	7 btiitney spears	5 britary spears	4 britnewy spears
364 brittyny spears	66 britnery spears	24 birteny spears	14 britten spears	9 britinay spears	7 btrittany spears	5 britbney spears	4 britnmy spears
329 brtney spears	59 briitney spears	24 brightney spears	12 beritney spears	9 britn spears	6 beritny spears	5 brithany spears	4 brittaby spears
269 bretney spears	59 britinay spears	24 brintiny spears	12 bretiny spears	9 britnew spears	6 bhritney spears	5 britieny spears	4 brittery spears
269 britneys spears	54 britneay spears	24 britanty spears	12 briatny spears	9 britneyn spears	6 birthney spears	5 britiye spears	4 britthey spears
244 britne spears	54 britner spears	24 brittenny spears	12 brieny spears	9 brittney spears	6 breathney spears	5 brittt spears	4 brittinaey spears
244 brytney spears	54 britney's spears	24 britini spears	12 brinay spears	9 brtiny spears	6 breaty spears	5 britnys spears	4 brittnat spears
220 breatney spears	54 britnye spears	24 britnwy spears	12 britaany spears	9 britttney spears	6 bretany spears	5 britny spears	4 brittneny spears
220 brittany spears	54 britt spears	24 brittni spears	12 britan spears	9 brtny spears	6 briatany spears	5 brittenny spears	4 brittnye spears
199 britnnay spears	54 brttany spears	24 brittnie spears	12 britine spears	9 brytny spears	6 brint spears	5 brittnee spears	4 britttney spears
163 britnry spears	48 bitany spears	21 birtitney spears	12 britnea spears	9 britney spears	6 britteney spears	5 brittt spears	4 brittney spears
147 breatny spears	48 briny spears	21 birtany spears	12 britnes spears	8 birtiny spears	6 britian spears	5 brney spears	4 briyeny spears
147 brittiney spears	48 brirney spears	21 biteny spears	12 britnez spears	8 bithney spears	6 britinty spears	5 broitney spears	4 brnity spears
147 britty spears	48 britant spears	21 bratney spears	12 britnny spears	8 brattany spears	6 britittney spears	5 brotny spears	4 brtteny spears
147 brotney spears	48 britnety spears	21 britani spears	12 brittenay spears	8 breitny spears	6 britnsy spears	5 bruteny spears	4 brttiany spears
147 brutny spears	48 brittanny spears	21 britanie spears	12 brittneys spears	8 breteny spears	6 britrey spears	5 btiyney spears	4 brnyey spears
133 brittteney spears	48 brttney spears	21 briteany spears	12 brittyny spears	8 brightny spears	6 britsny spears	5 btrittney spears	4 brythney spears
133 briyney spears	44 birttany spears	21 brittay spears	12 brteny spears	8 brintay spears	6 brittine spears	5 gritney spears	4 brytne spears
121 bittany spears	44 brittani spears	21 brittinay spears	12 btitany spears	8 brinttey spears	6 brittnry spears	5 spritney spears	4 brytni spears
	44 brityney spears	21 brtany spears	12 btiitney spears	8 briotney spears	6 brittsny spears	4 bittny spears	4 brytnie spears

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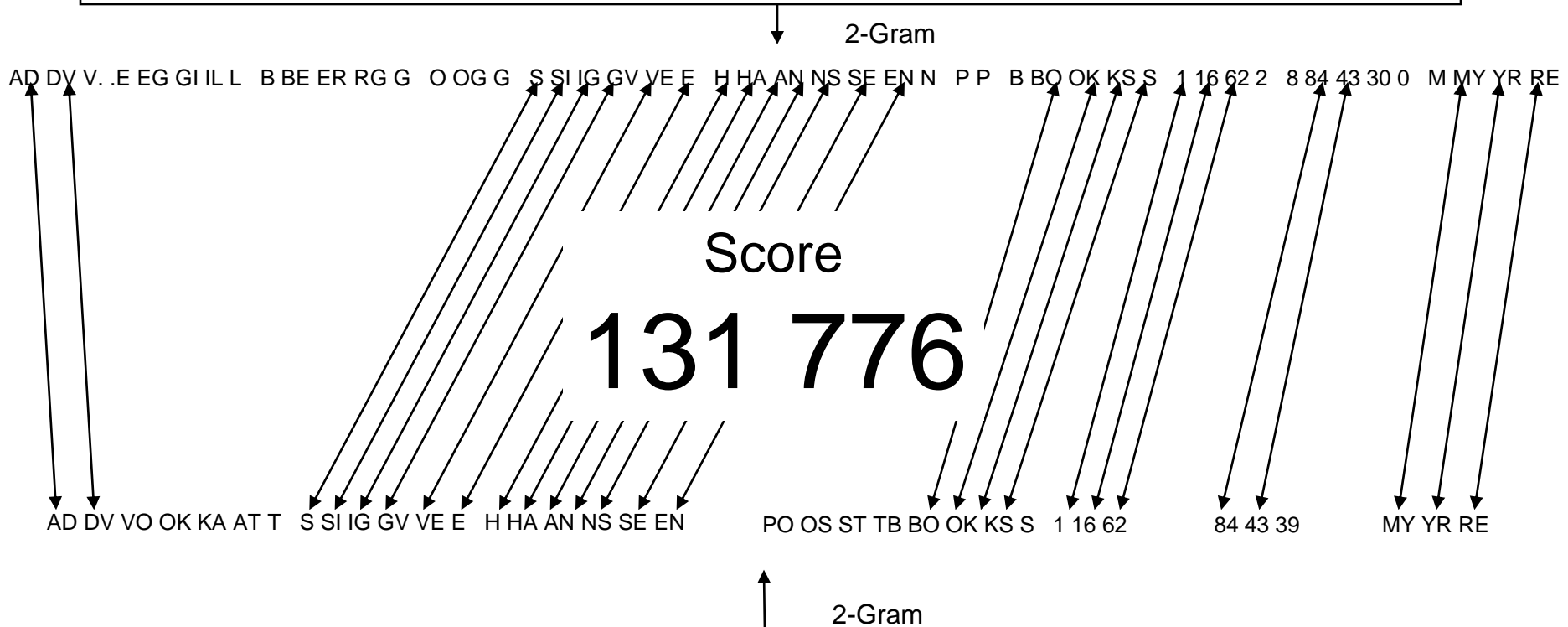
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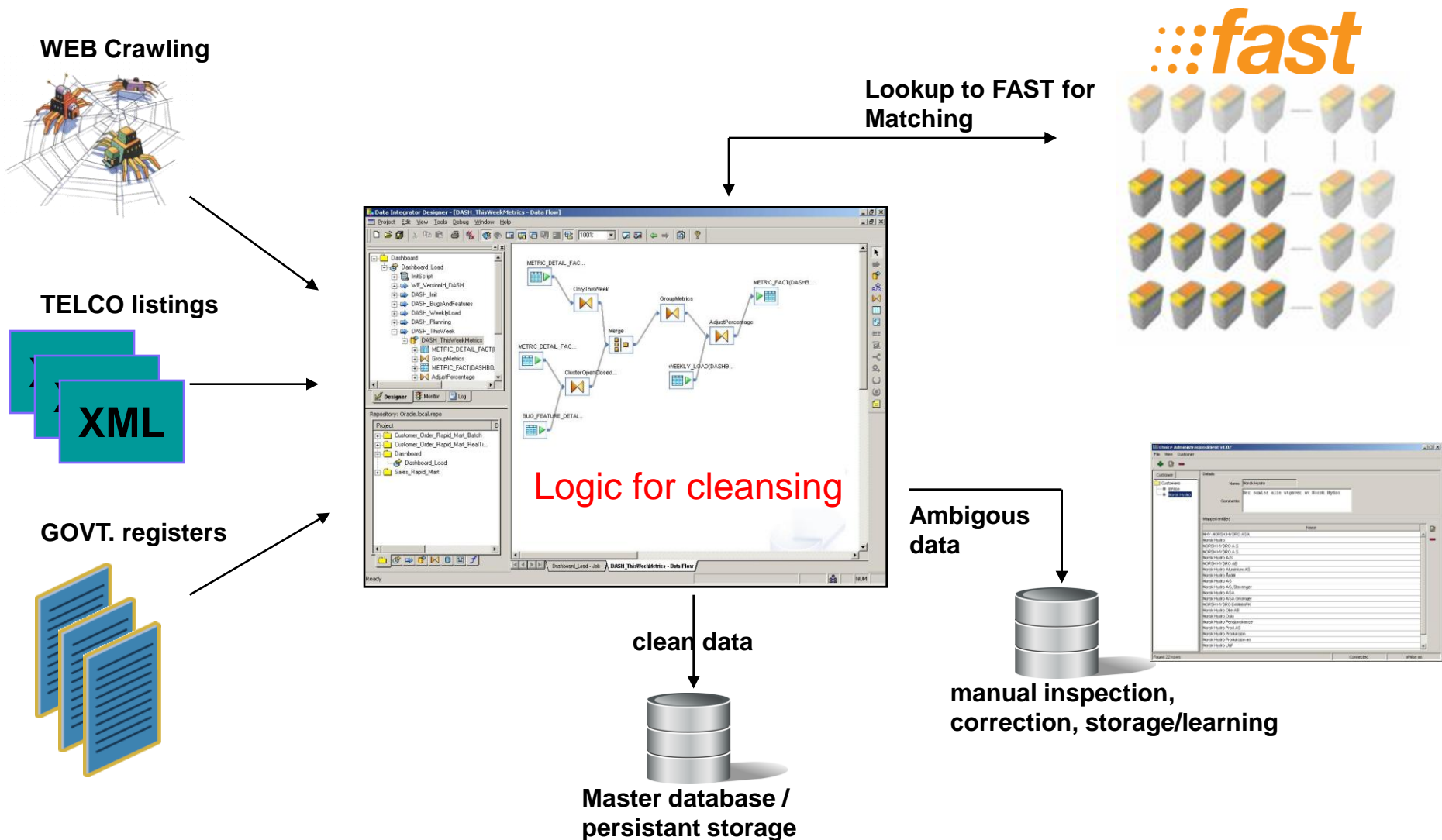


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WHOIS hifibitz.co.uk

Whoisproxy: \$Revision: 1.5 \$ (c)2001-2005 Active 24 ASA

Domain Name:
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Registrant:
Maximum Systems Ltd

Registrant's Address:
Systems House
11 Lomax Street
Great Harwood
Lancs
BB6 7DJ
GB

Registrant's Agent:
ACTIVE ISP ASA [Tag = ACTIVEISP-NO]

Relevant Dates:
Registered on: 13-Oct-1999
Renewal Date: 13-Oct-2007
Last updated: 11-Oct-2005

Registration Status:
Registered until renewal date.

Name servers listed in order:
ns4.vi.net 212.78.66.36
ns5.vi.net 212.78.64.69

WHOIS database last updated at 09:55:01 05-Dec-2005

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- S-Video input x 2 (Rear x 1, Front x 1)
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