ThoughtSpot is the next generation analytics platform that makes analytics accessible for every business person through the power of search & AI. It’s simple, smart, and delivers speed at scale, enabling business people to use an easy, natural search experience to analyze company data in seconds and get trusted AI-driven automated insights in a single click.

**Simple**
Designed for true self-service for everyone

**Smart**
Answers both known and unknown questions

**Fast**
Lightning fast answers on 10s of billions of rows
Product Architecture

ThoughtSpot’s new breed of in-memory analytics architecture is built from the ground up for speed at scale on billions of rows of data across multiple sources - all while delivering sub-second performance and enterprise governance. With built-in capabilities to handle complex data schemas at scale, there’s no need for pre-built cubes, pre-aggregations, or SQL query tuning, saving BI teams months of data modeling and performance optimizations.

<table>
<thead>
<tr>
<th>ENTERPRISE SECURITY &amp; GOVERNANCE</th>
<th>RELATIONAL SEARCH ENGINE</th>
<th>SPOTIQ AI ENGINE</th>
<th>DATA CONNECTORS &amp; API</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>BI &amp; VISUALIZATION SERVER</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>IN-MEMORY CALCULATION ENGINE</td>
<td></td>
<td></td>
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<tr>
<td></td>
<td>DISTRIBUTED CLUSTER MANAGER</td>
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Product Features

Relational Search

A guided, intelligent, search experience that lets anyone analyze data in seconds.

- **Automatic Search Index**: Instantly indexes your data and schema on cache for fast and easy end user search
- **Guided Suggestions**: Relevant search suggestions as you type, based on your data, metadata and usage behavior - all presented in real time
- **DataRank**: Machine learning ranking algorithm leveraging collective intelligence from prior usage, security rules, and characteristics of your data and metadata
- **Synonyms**: Real-time keyword validation for customizable synonyms, homonyms, and misspelled words for enterprise-wide usability
- **Advanced Keywords**: Use search to incorporate formulas, advanced analysis, nested queries, complex joins and multiple join paths
- **Search Inspector**: Explains how your search terms were transformed into executable SQL
SearchIQ Conversational Analytics
Conversational analytics for a voice-driven world.

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</thead>
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<tr>
<td>Natural Language Search</td>
<td>Easily converse with your data using casual, everyday language and get precise answers to your questions in an instant</td>
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<td>Voice-to-Text</td>
<td>Voice-driven technology that makes search more engaging for end users</td>
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<td>Teach Your Lexicon</td>
<td>View how search terms are mapped and define your own vocabulary to fine tune your query</td>
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<tr>
<td>Collective Intelligence</td>
<td>Search gets better with use through crowd-sourced implicit and explicit user feedback</td>
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SpotIQ Automated Insights
Get trusted, automated insights from billions of data points in a single click.

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<td>Sophisticated Algorithms</td>
<td>Auto-detect anomalies and outliers. Discover trends on noisy data. Identify relationships between measures that you didn’t know about</td>
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<td>Pervasive Instant Insights</td>
<td>Uncover deeper answers with “Did you know?” insights on your Smart Home Page and Instant Insights on answers and pinboards</td>
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<td>Comparative Analysis</td>
<td>Easily select multiple points and calculate significant differences in the data</td>
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<td>Natural Language Narratives</td>
<td>Insights are described in a way you understand so you can make faster, better informed decisions</td>
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<td>AI Inspector</td>
<td>Explains how your insights were generated based on search queries, drill downs, and applied computations</td>
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<td>Custom Analysis</td>
<td>Include or exclude attributes or tweak the parameters of each algorithm with ease</td>
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<tr>
<td>Human Feedback Loop</td>
<td>Built-in machine-learning algorithm finds related data that gets better with use. Enhance insights with explicit thumbs up/down feedback.</td>
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<td>Scheduled Analysis</td>
<td>Subscribe to interesting insights or schedule insights to be delivered to you when you need them</td>
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<tr>
<td>Custom R-integration</td>
<td>Streamline BI and advanced analytics workflows to bring data science closer to business outcomes</td>
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**BI & Visualization Server**

Automatically generates queries and best-fit charts.

- **Smart Query Generation**: Translates search terms into an optimized query plan that returns 100% accurate answers.
- **Query Visualizer**: Visual representation of the query, including data lineage, run-time joins, and the underlying calculations performed.
- **On-the-fly calculations**: Calculates every answer in real time as you type with real time aggregations on your transactional data.
- **Data Worksheets**: Reusable logical data models that combine various physical data sets into a single logical entity.
- **Best Fit Visualizations**: Intelligently chooses from dozens of visualizations as you type and presents them in real time based on characteristics of the data.
- **Dynamic Pinboards**: A drag-and-drop story building experience to help you organize insights on live dynamic dashboards.
- **Drill Anywhere**: Ad-hoc drill down and across any dimension without the need for a hierarchy or pre-defined drill path.
- **Alerts & Notifications**: Alerts and scheduled reports notifications so you’ll never miss the latest analysis.

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**Falcon In-memory Calculation Engine**

Crunch billions of rows of data in milliseconds.

- **Massively Parallel Processing (MPP)**: Automatic parallelization of queries on a columnar data cache returns results across billions of records in seconds.
- **JIT-compiled Queries**: Dynamic machine code generation and compilation speeds query execution and processing for instant answers.
- **Results Cache Optimizer**: Built-in search results cache ensures high concurrency and fast performance on common queries.
- **Data Sharding & Replication**: Intelligent organization of data based on schema and table size for fast large scale joins.

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**Distributed Cluster Manager**

Monitor, manage, and scale-out with ease.

- **Web-Scale Architecture**: Optimized workload distribution across a multi-node cluster designed to scale out infinitely to support 100s of TBs of data.
- **Dynamic Fault Tolerance**: Built-in data replication, redundancy, automatic node failover, and automatic backups ensure system availability in the event of a failure.
- **System Utilization and Performance Monitoring**: Out-of-the-box administration dashboards provide complete visibility into system health along with real-time alerts.
Enterprise Security & Governance

- Secured, trusted, and governed access for the world’s largest companies
- LDAP & SAML Integration: Native support for directory services and easy integration with existing enterprise SSO solutions
- Fine-grained Access Control: Access to data, answers, and Pinboards are restricted by granular user and group privileges
- Object, Row & Column-level Security: Restrict data access down to the row and cell level based on customizable permissions
- Data Lineage & Auditability: Built-in usage analytics provides full auditability of data access, pinboard usage, and more

Data Connectors & APIs

- Easily bring data from any source into ThoughtSpot.
- Connect Any Data: Bring any data into ThoughtSpot using industry standard ODBC/JDBC interfaces
- Flat File Upload: Drag and drop Excel spreadsheets, CSVs, or any other delimited file
- Fast Parallel Loader: Load large data sets in bulk at speeds up to 1TB/hour
- REST-based API: Enable developers to freely customize their own visualizations powered by ThoughtSpot’s Relational Search Engine

Deployment Options

- Flexibly deploy in the cloud or on-premises

ThoughtSpot

Smarter insights at the speed of thought.

Request a Demo

www.thoughtspot.com

(800) 508-7008