

### Overview

#### HPE Complete - Thoughtspot

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.

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. ThoughtSpot connects with data from on-premises and cloud data sources and deploys 85% faster than legacy technologies.

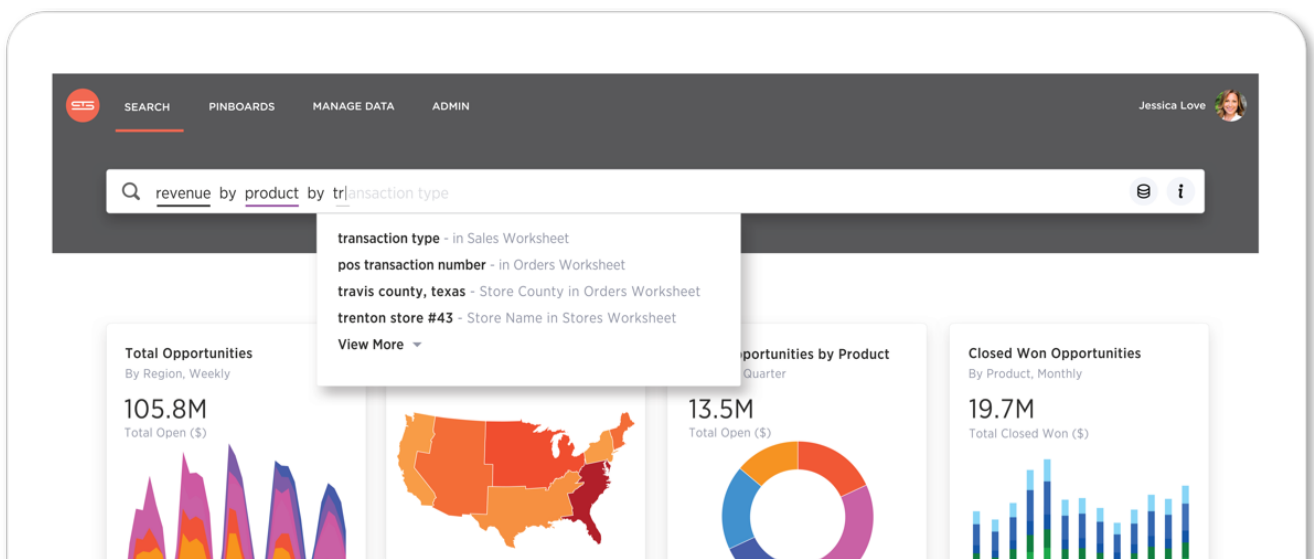


Figure 1. ThoughtSpot Search & AI-driven Analytics

ThoughtSpot is available on HPE Catalog via HPE Complete model.

#### HPE Complete- Resell of Third Party Branded Products

**HPE Complete** is a resource enabling the purchase of best in class third party branded products with the added reliability of Hewlett Packard Enterprise's interop assurance for a complete validated solution, all via one HPE purchase order.

##### Benefits

- One Stop Shop - Purchase complete solutions from HPE that include best in class third party branded products, all on a single HPE purchase order
- Validated solution - Confidence of The HPE interop assurance validation for third party branded products that complement HPE Storage & Server solutions
- Customer Experience - HPE Complete utilizes third-party expertise for installation, support, and warranty of their products. However, HPE Complete will step in to facilitate third-party issue resolution when needed to assist in overall customer satisfaction.
- Unique Value - Minimize risk, complexity and cost when deploying multi-vendor products and technologies into the HPE ecosystem

For more information please refer [HPE Complete](#) on HPE.com

## Overview

---

### Hewlett Packard Enterprise is making the following Thoughtspot SKUs available via HPE Complete:

#### Thoughtspot Enterprise Edition

ThoughtSpot Enterprise Edition Production 250GB 1yr Subscription LTU	Q8A04A
ThoughtSpot Enterprise Edition Production 250GB 2yr Subscription LTU	R1U01A
ThoughtSpot Enterprise Edition Production 250GB 3yr Subscription LTU	Q8A06A
ThoughtSpot Enterprise Edition Production 1TB 1yr Subscription LTU	R1U03A
ThoughtSpot Enterprise Edition Production 1TB 2yr Subscription LTU	R1U04A
ThoughtSpot Enterprise Edition Production 1TB 3yr Subscription LTU	R1U05A
ThoughtSpot Enterprise Edition Production 5TB 1yr Subscription LTU	R1U09A
ThoughtSpot Enterprise Edition Production 5TB 2yr Subscription LTU	R1U10A
ThoughtSpot Enterprise Edition Production 5TB 3yr Subscription LTU	R1U11A
ThoughtSpot Enterprise Edition Non-production 250GB 1yr Subscription LTU	Q8B24A
ThoughtSpot Enterprise Edition Non-production 250GB 2yr Subscription LTU	R1U02A
ThoughtSpot Enterprise Edition Non-production 250GB 3yr Subscription LTU	Q8B26A
ThoughtSpot Enterprise Edition Non-production 1TB 1yr Subscription LTU	R1U06A
ThoughtSpot Enterprise Edition Non-production 1TB 2yr Subscription LTU	R1U07A
ThoughtSpot Enterprise Edition Non-production 1TB 3yr Subscription LTU	R1U08A
ThoughtSpot Enterprise Edition Non-production 5TB 1yr Subscription LTU	R1U12A
ThoughtSpot Enterprise Edition Non-production 5TB 2yr Subscription LTU	R1U13A
ThoughtSpot Enterprise Edition Non-production 5TB 3yr Subscription LTU	R1U14A

#### Thoughtspot Extended Enterprise Edition

ThoughtSpot Extended Enterprise Edition Production 250GB 1yr Subscription LTU	Q8A05A
ThoughtSpot Extended Enterprise Edition Production 250GB 2yr Subscription LTU	R1U15A
ThoughtSpot Extended Enterprise Edition Production 250GB 3yr Subscription LTU	Q8A07A
ThoughtSpot Extended Enterprise Edition Production 1TB 1yr Subscription LTU	R1U17A
ThoughtSpot Extended Enterprise Edition Production 1TB 2yr Subscription LTU	R1U18A
ThoughtSpot Extended Enterprise Edition Production 1TB 3yr Subscription LTU	R1U19A
ThoughtSpot Extended Enterprise Edition Production 5TB 1yr Subscription LTU	R1U23A
ThoughtSpot Extended Enterprise Edition Production 5TB 2yr Subscription LTU	R1U24A
ThoughtSpot Extended Enterprise Edition Production 5TB 3yr Subscription LTU	R1U25A
ThoughtSpot Extended Enterprise Edition Non-production 250GB 1yr Subscription LTU	Q8B25A
ThoughtSpot Extended Enterprise Edition Non-production 250GB 2yr Subscription LTU	R1U16A
ThoughtSpot Extended Enterprise Edition Non-production 250GB 3yr Subscription LTU	Q8B27A
ThoughtSpot Extended Enterprise Edition Non-production 1TB 1yr Subscription LTU	R1U20A
ThoughtSpot Extended Enterprise Edition Non-production 1TB 2yr Subscription LTU	R1U21A
ThoughtSpot Extended Enterprise Edition Non-production 1TB 3yr Subscription LTU	R1U22A
ThoughtSpot Extended Enterprise Edition Non-production 5TB 1yr Subscription LTU	R1U26A
ThoughtSpot Extended Enterprise Edition Non-production 5TB 2yr Subscription LTU	R1U27A
ThoughtSpot Extended Enterprise Edition Non-production 5TB 3yr Subscription LTU	R1U28A

## Overview

### Thoughtspot Services

ThoughtSpot QuickStart Service LTU	Q0Q17A
ThoughtSpot Advanced QuickStart Service	R1U29A
ThoughtSpot Post-installation Hourly Service	R1U30A

---

## Features and Benefits

Building a relational search engine for numbers required a fundamentally different approach to enterprise analytics. While searching to analyze in ThoughtSpot is incredibly easy for users, there's a lot of sophistication under the hood that makes it fast and accurate. ThoughtSpot's relational search engine uses collective intelligence to guide users to the right answers and is powered by a sophisticated calculation engine capable of performing aggregations over terabytes of data with sub-second latency. Complete with robust integration, fine-grained security, and cluster management for reliability and massive scalability, ThoughtSpot brings instant answers at scale to every business professional. Thoughtspot has been tested and verified with HPE ProLiant platforms

<b>Relational and Conversational Search</b>		<b>Automated Insights and Self-Driving Analytics</b>	
<b>Data Connectors and API</b>	<b>Search IQ &amp; Relational Search Engine</b>	<b>Spot IQ AI Engine</b>	<b>Enterprise Security and Governance</b>
	<b>BI and Virtualization Server</b>		
	<b>In Memory Calculation Engine</b>		
	<b>Distributed Cluster Manager</b>		

**Table 1 Thoughtspot Architecture**

### Relational Search Engine:

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

- Easy for Anyone to Use
- Use search to build your own charts and dashboards in seconds—no experts or advanced training needed, even for the most complex queries.
- Instant Response Time
- Get real-time, guided, schema-aware search suggestions from billions of rows of data and multiple sources in an instant.
- 100% Accuracy and Trust
- Always know how your search was computed with complete transparency—no guessing or interpretation.

### SpotIQ AI Engine:

Get trusted, automated insights from billions of data points in a single click.

- Automated Insights
- Use built-in artificial intelligence to run dozens of advanced analytics algorithms on billions of data points and automatically spot actionable insights that are important to you.
- Insights You Can Trust
- Know how insights were generated. Humans remain in the loop and guide machine logic to ensure relevant, trusted and accurate machine-discovered insights.
- Speed at Scale
- Execute hundreds of queries and advanced analytics algorithms on billions of data combinations across multiple sources to uncover interesting insights in seconds.

## Features and Benefits

### BI & Visualization Server

Automatically generates queries and best-fit charts.

- Query Complexity Simplified
    - Intelligent query generation that allows anyone to search across complex schemas using natural language with 100% accurate results.
  - Automatic Visualizations
    - Take the guesswork out of building charts and give every business user the ability to craft their own interactive visualizations.
  - Reusable Logical Data Models
    - Create shared metadata models complete with business logic on combined datasets to ensure consistent answers.
- 

### In-Memory Calculation Engine

Crunching billions of rows of data in milliseconds.

- Speed at Scale
    - Search on billions of rows of data across multiple sources and get answers in an instant.
  - No Performance Tuning
    - No cubes, aggregations, summary tables or data marts required to optimize for performance. Source data fidelity is maintained for flexible analysis at any level.
  - Analyze All Your Data Together
    - Converge data from all your enterprise sources, no matter how diverse or large, into a single, dedicated analytics cache for fast query performance across sources.
- 

### In-Memory Calculation Engine

Crunching billions of rows of data in milliseconds.

- Speed at Scale
    - Search on billions of rows of data across multiple sources and get answers in an instant.
  - No Performance Tuning
    - No cubes, aggregations, summary tables or data marts required to optimize for performance. Source data fidelity is maintained for flexible analysis at any level.
  - Analyze All Your Data Together
    - Converge data from all your enterprise sources, no matter how diverse or large, into a single, dedicated analytics cache for fast query performance across sources.
- 

### Distributed Cluster Manager

Monitor, manage, and scale-out with ease.

- Easily Grow Data and Users as You Go
    - ThoughtSpot grows as your usage grows, so you can scale out to any data size without compromising user experience.
  - Reliable, Always on Access
    - Rest easy knowing that the system is always ready-to-go. You'll never lose your data.
  - Proactive Monitoring and Support
    - Set up and go. The system continuously monitors the health of the cluster and intelligently repairs itself when needed, reducing administration overhead.
-

## Features and Benefits

### Enterprise Security & Governance

Enterprise-grade controls to ensure secure, trusted, and governed usage across the organization.

- Secure Access at Scale
  - Fine-grained permissions for millions of users and hundreds of thousands of security groups ensure only authorized users have access to the right set of data.
- Single Version of the Truth
  - Consistent management of data via a centralized governance framework across a shared data model.
- Trusted Answers
  - Accurate answers, full transparency, and traceability to the source data ensures consistent and trusted insights.

### Data Connectors & APIs

Easily bring data from any source into ThoughtSpot.

- Connect Any Data at Scale
  - Access data on-premise or in the cloud, from data repositories to enterprise applications or flat files, regardless of source.
- Supports Industry Connectivity Standards
  - Connect to any data source or leverage your existing ETL solution via industry standard ODBC/JDBC interfaces.
- Easily Build Your Own Data Product
  - Create a tailored analytics experience powered by Thoughtspot’s Relational Search Engine using an extensive library of REST-based APIs.

### There are Two Unlimited User Licences available

Enterprise	Extended Enterprise
<ul style="list-style-type: none"> <li>● Easy, Guided Search Experience</li> <li>● SpotIQ Automated Insights</li> <li>● Intelligent Search Suggestions via DataRank</li> <li>● Customizable Synonyms for Real-time Keyword Validation</li> <li>● Query Transparency via Search Inspector</li> <li>● Automatic, Best-fit Chart Creation</li> <li>● Dynamic Pinboards with Drag-and-Drop Capabilities</li> <li>● One-click Sharing of Pinboards</li> <li>● Drill Anywhere without Predefined Drill Paths</li> <li>● Custom Branding</li> <li>● Native &amp; JDBC/ODBC Compliant Connectors</li> <li>● High Speed Bulk Data Loader</li> <li>● Easy Cross-Source Analysis</li> <li>● LDAP &amp; SAML Integration</li> <li>● Granular Row &amp; Column-level Access Control</li> <li>● In-memory Calculation Engine for Subsecond Responses</li> <li>● Intelligent Data Sharding &amp; Replication</li> <li>● Built-in Fault Tolerance</li> <li>● Scale-Out Ready</li> </ul>	<p><b>Includes all features of Enterprise, PLUS</b></p> <ul style="list-style-type: none"> <li>● Embedded Relational Search</li> <li>● Embedded Charts and Pinboards</li> <li>● Data API Access for Custom Visualizations</li> <li>● User / Groups Management API</li> <li>● Metadata API</li> <li>● Unlimited Groups</li> </ul>

**Table 2: Enterprise vs Extended Enterprise Licenses**

## Configuration Rules

The HPE Complete Thoughtspot configuration are as follows:

### Step-1 Select Hardware

**HPE Complete and ThoughtSpot have predefined and qualified HW configurations that should be used to deploy the HPE Complete Solution. Please consult the [HPE Complete BOM Guidelines: ThoughtSpot](#)**

**Note:** A unique node/server is required for each installation of ThoughtSpot SW License.

---

### Step-2 Select Production Licenses

#### Thoughtspot Enterprise and Extended Enterprise Edition – Production/Non-Production Licenses

**Note:** differences between Enterprise and Extended Enterprise are defined in table 2, Production data is data that is in use by the business, non-Production is archived or offline data not in use in support of current business operations. Software capacity selected is based on the size of the data stored on the platform (raw/uncompressed), select capacity that meets or exceeds the size of the data stored on the platform at any given time.

**Select the ThoughtSpot Enterprise Software LTU based on where the data set is deployed (production or non-production environment) and what level of service is desired (Enterprise or Extended Enterprise)**

**2a – Production Enterprise or**

**2b – Production Extended Enterprise or**

**2c – Non-Production Enterprise or**

**2d – Non-Production Extended Enterprise**

**ThoughtSpot Enterprise Edition Production Subscription LTUs, select the data set capacity and duration in years desired from SKUs listed**

#### Step-2a Production Enterprise Licenses

ThoughtSpot Enterprise Edition Production 250GB 1yr Subscription LTU	Q8A04A
ThoughtSpot Enterprise Edition Production 250GB 2yr Subscription LTU	R1U01A
ThoughtSpot Enterprise Edition Production 250GB 3yr Subscription LTU	Q8A06A
ThoughtSpot Enterprise Edition Production 1TB 1yr Subscription LTU	R1U03A
ThoughtSpot Enterprise Edition Production 1TB 2yr Subscription LTU	R1U04A
ThoughtSpot Enterprise Edition Production 1TB 3yr Subscription LTU	R1U05A
ThoughtSpot Enterprise Edition Production 5TB 1yr Subscription LTU	R1U09A
ThoughtSpot Enterprise Edition Production 5TB 2yr Subscription LTU	R1U10A
ThoughtSpot Enterprise Edition Production 5TB 3yr Subscription LTU	R1U11A

**ThoughtSpot Extended Enterprise Edition Production Subscription LTUs, select the data set capacity and duration in years desired from SKUs listed**

#### Step-2b Production Extended Enterprise Licenses

ThoughtSpot Extended Enterprise Edition Production 250GB 1yr Subscription LTU	Q8A05A
ThoughtSpot Extended Enterprise Edition Production 250GB 2yr Subscription LTU	R1U15A
ThoughtSpot Extended Enterprise Edition Production 250GB 3yr Subscription LTU	Q8A07A
ThoughtSpot Extended Enterprise Edition Production 1TB 1yr Subscription LTU	R1U17A
ThoughtSpot Extended Enterprise Edition Production 1TB 2yr Subscription LTU	R1U18A
ThoughtSpot Extended Enterprise Edition Production 1TB 3yr Subscription LTU	R1U19A
ThoughtSpot Extended Enterprise Edition Production 5TB 1yr Subscription LTU	R1U23A
ThoughtSpot Extended Enterprise Edition Production 5TB 2yr Subscription LTU	R1U24A
ThoughtSpot Extended Enterprise Edition Production 5TB 3yr Subscription LTU	R1U25A

**ThoughtSpot Enterprise Edition Non-Production Subscription LTUs, select the data set capacity and duration in years desired from SKUs listed**

## Configuration Rules

### Step-2c Non-Production Enterprise Licenses

ThoughtSpot Enterprise Edition Non-production 250GB 1yr Subscription LTU	Q8B24A
ThoughtSpot Enterprise Edition Non-production 250GB 2yr Subscription LTU	R1U02A
ThoughtSpot Enterprise Edition Non-production 250GB 3yr Subscription LTU	Q8B26A
ThoughtSpot Enterprise Edition Non-production 1TB 1yr Subscription LTU	R1U06A
ThoughtSpot Enterprise Edition Non-production 1TB 2yr Subscription LTU	R1U07A
ThoughtSpot Enterprise Edition Non-production 1TB 3yr Subscription LTU	R1U08A
ThoughtSpot Enterprise Edition Non-production 5TB 1yr Subscription LTU	R1U12A

**ThoughtSpot Extended Enterprise Edition Non-Production Subscription LTUs, select the data set capacity and duration in years desired from SKUs listed**

### Step-2d Non-Production Extended Enterprise Licenses

ThoughtSpot Extended Enterprise Edition Non-production 250GB 1yr Subscription LTU	Q8B25A
ThoughtSpot Extended Enterprise Edition Non-production 250GB 2yr Subscription LTU	R1U16A
ThoughtSpot Extended Enterprise Edition Non-production 250GB 3yr Subscription LTU	Q8B27A
ThoughtSpot Extended Enterprise Edition Non-production 1TB 1yr Subscription LTU	R1U20A
ThoughtSpot Extended Enterprise Edition Non-production 1TB 2yr Subscription LTU	R1U21A
ThoughtSpot Extended Enterprise Edition Non-production 1TB 3yr Subscription LTU	R1U22A
ThoughtSpot Extended Enterprise Edition Non-production 5TB 1yr Subscription LTU	R1U26A
ThoughtSpot Extended Enterprise Edition Non-production 5TB 2yr Subscription LTU	R1U27A
ThoughtSpot Extended Enterprise Edition Non-production 5TB 3yr Subscription LTU	R1U28A

### Step-3 Thoughtspot Services

#### Select Optional Thoughtspot Services Needed

ThoughtSpot QuickStart Service LTU	Q0Q17A
Note: includes system installation, configuration, and training for up to 2 TB DRAM ThoughtSpot clusters.	
ThoughtSpot Advanced QuickStart Service	R1U29A
Note: Same as QuickStart with the addition of embedding ThoughtSpot into one Portal	
ThoughtSpot Post-installation Hourly Service	R1U30A
Note: Support can provided on site or remote based on customer needs	



## Service and Support

### Service and Support

Service and Support for Thoughtspot products are provided directly by Thoughtspot. For any support and generic queries please email to [support@thoughtspot.com](mailto:support@thoughtspot.com). Thoughtspot licensors service delivery organization will be responsible for responding with a email or call, assigning a severity level to the case, and determining the service Severity Level acceptable to Hewlett Packard Enterprise customer. The support request will be processed by Thoughtspot in accordance with the Severity Level agreed upon. For support on HPE Proliant servers please use the standard HPE support process

---

### Warranty

#### Software

For a period of ninety (90) days from the Start Date, Thoughtspot warrants (a) that the media on which the software is delivered will be free of defects in material and workmanship, and (b) the software will operate substantially as set forth in the applicable Thoughtspot specifications when used in accordance with the terms of the Thoughtspot software license. End User's exclusive remedy and the entire liability of Thoughtspot and its suppliers under this limited warranty will be replacement of the software media. Except for the foregoing, the software is provided AS IS. This limited warranty extends only to the End User as the original licensee. See other Warranty Limitations and Restrictions below.

---

### Restrictions

Thoughtspot warranties as set forth herein ("Warranty") are contingent on proper use of the Thoughtspot branded hardware and software ("Products") and do not apply if (a) the Products have been modified without the written approval of Thoughtspot, (b) the Products' serial number label is removed, (c) the Product has been damaged or subjected to abnormal physical or electrical stress, abnormal environmental conditions, misuse, negligence, or accident, or (d) the Product is licensed for beta, evaluation, testing or demonstration purposes. In order to ensure proper operation of Thoughtspot products, it is required that all Thoughtspot systems utilize only Thoughtspot supplied optical transceiver components. Thoughtspot reserves the right to void warranty and service support offerings if optical transceiver components other than those supplied by Thoughtspot are used in the operation of Thoughtspot products. The terms of the Warranty are limited to the remedies as set forth in this Warranty. This warranty is provided in lieu of all other rights, conditions and warranties. Thoughtspot makes no other express or implied warranty with respect to the software, hardware, products, documentation or Thoughtspot support, including, without limitation, any warranty of merchantability, fitness for a particular purpose and non-infringement of third party rights. Thoughtspot does not warrant that any products will be error-free, or that any defects that may exist in its products can be corrected. In no event shall Thoughtspot be liable for cost of procurement of substitute goods, lost profits or any other special, indirect, consequential or incidental damages (including but not limited to lost data), however caused whether or not Thoughtspot has been advised of the possibility of such damages. Some jurisdictions do not allow limitation or exclusion of liability for consequential or incidental damages, so that limitation or exclusion may not apply.

---

### Return Policy for Resellers

Stocking of HPE Complete Thoughtspot products are not recommended. Please purchase accurate quantity required to fulfil the customer order.

---

## Summary of Changes

Date	Version History	Action	Description of Change
04-Mar-2019	Version 2	Changed	Added 1TB and 5TB SKUs Overview, Features and Benefits, Configuration Rules and Service and Support sections were updated.
07-Aug-2017	Version 1	Created	All content created



© Copyright 2019 Hewlett Packard Enterprise Development LP. The information contained herein is subject to change without notice. The only warranties for Hewlett Packard Enterprise products and services are set forth in the express warranty statements accompanying such products and services. Nothing herein should be construed as constituting an additional warranty. Hewlett Packard Enterprise shall not be liable for technical or editorial errors or omissions contained herein.

Microsoft and Windows NT are US registered trademarks of Microsoft Corporation. Intel is a US registered trademark of Intel Corporation. Unix is a registered trademark of The Open Group.

a00018991enw - 15981 - Worldwide - V2 - 04-March-2019