ThoughtSpot

ThoughtSpot Release Notes

Release 6.0

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6.0 Release Notes

ThoughtSpot version 6.0.2 is now available. These release notes include information about new features, fixed issues from the previous releases, and any known issues.

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6.0.2 New Features and Functionality

Embrace for Google BigQuery and Microsoft Azure Synapse

In addition to Snowflake and Redshift, you can now run live queries against Google BigQuery or Microsoft Azure Synapse Analytics, without caching data in ThoughtSpot. You can then analyze this data, and create Answers and Pinboards.

See Embrace overview [See page 0].

Embrace enhancements

- **Search indexing** Starting with release 6.0.2, we enabled search indexing of columns by default, in all Embrace connections. This shows values of columns in the search bar as you type.

  ThoughtSpot re-indexes columns daily; this can be changed to an hourly schedule.

- **UI/UX for creating and editing** Embrace connections now include a built-in workflow.

- **Headline optimization** We changed the behavior for loading headlines with tabular reports. The primary table now loads immediately, and headlines appear when the queries that populate them complete.

Data Search APIs

To programmatically use the data that we retrieve from a query, you can use ThoughtSpot Search Data API.

See Search Data API [See page 0].

6.0.2 Fixed Issues

The following issues are fixed in the 6.0.2 release:

- Updating a formula causes a blank screen and corrupts a worksheet when it is saved.
- Upgrade to release 6.0.1 changes charts with a y-axis at 100% to a regular stacked column chart.
- After upgrade to release 5.3.2, users cannot sign in using SSO.
- Disk alerts occur when drives are functioning normally.

6.0.1 Fixed Issues

The following issues are fixed in the 6.0.1 release:

- Search autocomplete occasionally displays an error when using a bulk filter.
- In a custom calendar, sales results for individual years are correct, but are not correct when comparing those same years using `versus` (example: `2019 vs 2018` `net sales`).
- Upgrades to a ThoughtSpot AWS deployment can cause hosts to lose their configured hostnames.
- A yellow bar sometimes appears during search, causing search not to work.
- Optimization does not occur in pinned measure formulas with complex aggregation, resulting in more queries than necessary.
- After upgrade to release 5.3.x., previously enabled delayed search for a cluster is disabled.
- The dot in a hover tooltip for a chart, indicating which item the tooltip applies to, does not appear.
- Common keywords, like `this year`, `date daily`, `last quarter`, and `week of year` do not reflect the settings of a custom calendar.
- The title page of an exported PDF does not display the full date.

- The `date` filter of an answer does not work properly when pinned to a pinboard, even after applying the pinboard `date` filter.
- Scroll and edit options are missing for charts in presentation mode when using the Microsoft Internet Explorer browser.

6.0 New Features and Functionality

Mobile

You can now download ThoughtSpot Mobile app from the AppStore for both iPhone and iPad devices. ThoughtSpot Mobile works for releases 5.1 and later.

Mobile version 1.1.2 now supports auto-redirect Single Sign-On (SSO) for configured clusters.

See Mobile [See page 0].

Embrace for Snowflake and Amazon Redshift

In addition to Snowflake support, you can now perform live queries against an Amazon Redshift database without caching it in ThoughtSpot. You can then analyze this data, and create Answers and Pinboards. **Support for Amazon Redshift is in beta in Release 6.0.**

ThoughtSpot now supports the following features for linked tables:

- Search suggestions for column values
- Indexing of table columns
- Remapping of tables and columns

For more information, see Embrace overview [See page 0].

Monitor headlines

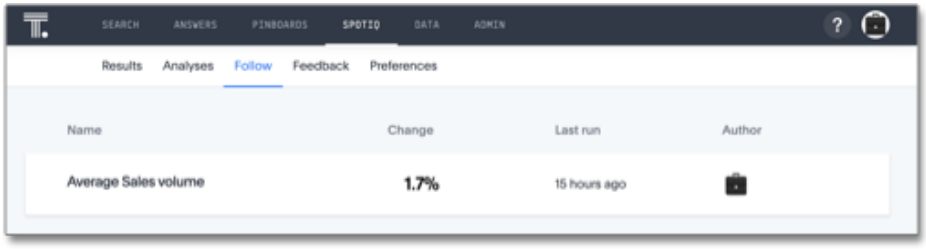
The Monitor feature enables you to follow headline metrics, and get daily updates in your mailbox, on your ThoughtSpot home page, and in the SpotIQ Follow management interface.

For more information, see Monitor headlines [See page 0]

Support for Monitor is in beta.

- To monitor headlines, click the **Follow** icon in the top right corner of the insight.

- The **SpotIQ Follow** interface lists all the headlines you follow, and the changes from last run.



- Click each headline to see the detailed performance over time, examine each interval, all at the time scale you choose. And you can change to table view, or to another chart type to better visualize your changing metric.

Chart Configuration

This release introduces a complete new approach that makes chart configuration much easier and more intuitive.

Chart configuration overview

- **Add drag-and-drop chips [See page 0]** automatically when adding new elements in search bar. These appear on the chart as “Not visualized”, and you can move them into the axis area to visualize.
- **Improve number formatting [See page 0]** for data labels on the chart marks (bars, bubbles, lines), and on the axes. Can use numbers, percentages, currencies, and specified units, “as is” (auto mode), or change to millions, trillions, and billions (K, M, B). Can easily specify the number of decimal places.
- **Independent control of each measure** in a chart helps you reduce noise by applying labels only where you need it.
- **Simple time bucketing [See page 0]** lets you change granularity of time series.
- **Intuitive color configuration [See page 0]** enables you to quickly change color on the element or in the legend.
- **Column renaming [See page 0]** for pivot tables and regular chart tables
- **Wrapping and clipping [See page 0]** of text in a table.

Scriptable Worksheets

You can now **Export** Worksheets by downloading them to a `*.yaml` file, make changes, and then **Update** the Worksheet from the changed file either to the same cluster, or to a new cluster.

Scriptable Worksheets support metadata migration from development to production environments, enables changes that are not possible within the user interface, and lets you perform bulk changes to the metadata (renaming, duplication).

See Migrate or restore Worksheets [See page 0], and Worksheet YAML specification [See page 0].

Welcome new users

Administrators can configure a welcoming experience for new users. In addition to assigning a user to the most relevant groups and Pinboards, they can customize a Welcome email to introduce them to ThoughtSpot and help them get started.

Configure new user welcome experience and emails

Getting started

To quickly onboard new users and teach them how to effectively use ThoughtSpot, we added in-product guidance and video content.

Getting started with ThoughtSpot

See the Getting Started sidebar [See page 0].

Sharing

We improved the experience of sharing Answers and Pinboards through better email notifications, with embedded links.

Sharing Pinboards and Answers

See Overview of Sharing [See page 0].

Access request and grant

To enhance the ease of sharing, we simplified and reinforced the workflow for access request and grant of privileges to Pinboards, Answers, and Data sources.

Requesting and granting access to Pinboards and Answers

Google Cloud Platform GCS persistent storage

You can now reduce the cost of a GCP deployment by using GCS for storage of major services like the ThoughtSpot database and search engine. For more information, see GCP configuration options [See page 0].

Streamlined GCP data loading from a GCS bucket

You can now load data from a Google Cloud Storage (GCS) bucket into your ThoughtSpot GCP instance. By assigning the *Compute Engine default service account* and the *Set access for each API* scope to your instance, you can set read-only access to your GCS bucket. This way, you don't have to enter GCS credentials when loading data. For more information, see Loading data from a GCP GCS bucket [See page 0]

Answer Explorer

This release introduces Answer Explorer, which provides you with AI-guided exploration of Pinboards, at a single click.

Answer Explorer overview

Answer Explorer includes the following features:

- **Filters** search field accepts any value, including a column name. After you enter your value, press **Enter**, or click **Add**.
- **Comparisons** lets you easily perform a “versus” analysis.
- **Breakdowns** make it easy to add a new attribute or replace an existing one, and let you change buckets for time series: monthly, weekly, daily, or quarterly.
- **Metrics** “Also include” feature enables you to add other available metrics, and changing a column replaces a metric.
- **Navigation**: Column names appear separately from search values. Undo steps back to the last change. Copy and edit retains all changes. Seamlessly switch from Answer Explorer to search.

Refer to Answer Explorer [See page 0].

Homepage Insights for everyone

This release of ThoughtSpot leverages existing insights that are generated by the SpotIQ power users, and shares them with everyone on their Homepage, regardless of that person’s access to SpotIQ Analyze function.

These insights are diverse, and cover a wider range of data sources and types.

Ask an Expert

We improved the Expert feature by adding more email notifications, enriching email content, and directly linking from emails to requests.

- When a user creates a request, both that user and designated experts get an email notification. The **Open request** link in the expert's leads directly to ThoughtSpot, to review and manage the request.
- When an expert resolves the request, both the expert and the user receive an email notification. The user can then follow the supplied link to navigate directly to the resolved answer.

GeoMaps

ThoughtSpot now supports GeoMap [See page 0] visualizations for these new locales:

- **Austria:** State, District, and Postal
- **Italy:** Region, Province/Territories, and Postal Code
- **Poland:** Province/Territories, County, Postal Code

6.0 Fixed Issues

The following issues are fixed in the 6.0 release:

- The `tscli cluster download-release` command sometimes did not work correctly.
- The date dimension attribute was removed from the query for all date aggregations, except for DETAILED.

Beta Programs

If you are interested in seeing some of our newest features, we want to add you to our testing group. ThoughtSpot is looking for people with all levels of experience: end-users, analysts, administrators, configurators, and so on. We like to have a diversity of experience and perspective, and want to hear from you. Because we strive for excellence, we will partner with you to adjust the final details of our offerings based on your feedback.

Please contact us if you are interested in participating in the Monitor Beta Program [See page 0], for monitoring selected metrics over time.

Supported Upgrade Paths

If you are running one of the following versions, you can upgrade to the 6.0.2 release directly:

- 5.3.x to 6.0.2
- 5.2.x to 6.0.2

(This includes any hotfixes or customer patches on these branches.)

If you are running a different version, you must do a multiple pass upgrade. First, upgrade to version 5.2.x, or version 5.3.x, and then to the 6.0.2 release.

> **Note:** To successfully upgrade your ThoughtSpot cluster, all user profiles must include a valid email address. Without valid email addresses, the upgrade is blocked.

Notes for earlier releases

- 5.3 Release Notes [See page 0]
- 5.2 Release Notes [See page 0]
- 5.1 Release Notes [See page 0]
- 5.0 Release Notes [See page 0]
- 4.5 Release Notes [See page 0]
- 4.4 Release Notes [See page 0]