

ThreatQuotient



ThreatQ User Guide

Version 2.2.0

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ThreatQuotient

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About TQI Versioning

ThreatQ Investigations is seeded as part of the ThreatQ platform. The versioning assigned to this PDF, 2.2.0, is for documentation-tracking purposes only and does not indicate a separate ThreatQ Investigations version.

About ThreatQ Investigations

ThreatQ Investigations is a cybersecurity situation room that enables collaborative threat analysis, investigation, and coordinated response. Investigations is built upon a collaborative investigation interface that aggregates all information on screen with a focus on the evidence board, which displays threat intelligence data as icons.

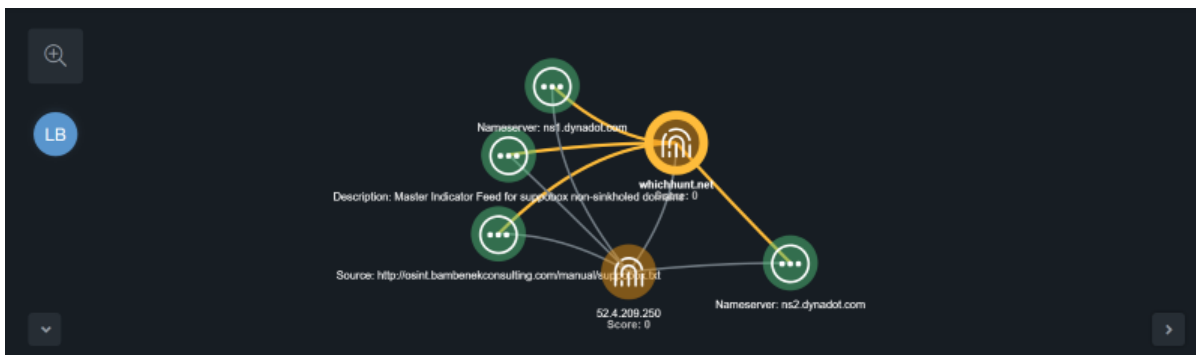
ThreatQ Investigations is built on top of the ThreatQ threat intelligence platform and allows for capturing, learning, and the sharing of knowledge. This results in a single visual representation of the complete investigation at hand, who did what and when, based on a shared understanding of all components of the investigation: threat data, evidence, and users.

Concept

The following describes the components of an investigation and how it can be used to drive an incident response.

Evidence Board

The evidence board provides a visual representation of the threat intelligence data you are currently investigating.



The evidence board allows you to:

- Fuse together threat data and user actions to more quickly determine the right actions to take.
- Accelerate investigation, analysis, and understanding of threats in order to update your defensive posture proactively.
- Drive down mean time to detect (MTTD) and mean time to respond (MTTR).

Action Panel

Using the action panel, incident handlers, malware researchers, SOC analysts, and investigation leads gain more control, and are able to take the right steps at the right time.

 **GIBBERISH PANDA** 

Expand

Remove from Investigation



TYPE —
Adversary

RELATIONSHIPS
1

TASKS —
0

COMMENTS —
0

SOURCES 1 —
CrowdStrike

FIRST SEEN —
Last Saturday at 12:13
AM

CREATED —
Last Saturday at 12:13
AM

LAST MODIFIED —
Last Saturday at 12:13 AM

 **DESCRIPTION** —
none

 **COMMENTS** 0 —

RELATIONSHIPS

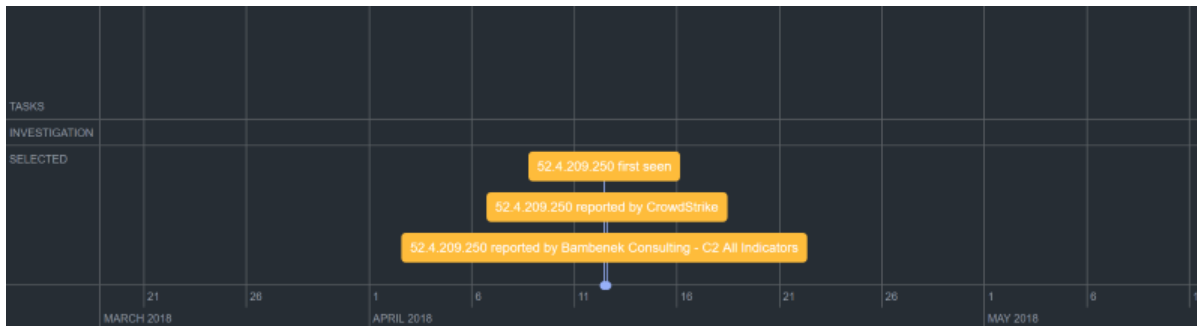
  **INDICATORS** 1 —

The action panel allows you to:

- See how the work of others impacts and extends your own.
- View a summary of any aspect of the evidence board that currently has mouse focus.

Timeline

You can build incident, adversary, and campaign timelines to accelerate understanding of threat intelligence data. The timeline portion of an investigation allows you to visualize how the investigation began and understand how the response unfolded.



You can view:

- When indicators, events, adversaries, files, signatures, and so on were discovered and included in the Threat Library.
- Any assigned and closed tasks.
- Who was working on what aspect of the investigation and when.

Getting Started with Investigations

Managing investigations begins with the Investigations page. You can create one or more investigations and this page serves as your access point. On the Investigations page, you can:

- View all investigations you created or investigations another user shared with you.
- Create and delete investigations.
- View a date and time stamp for the last person who updated an investigation.
- Manage current investigations.

As you create or enter an investigation, the system navigates you to the investigations workbench, which is comprised of the evidence board, action panel, and timeline. You will learn how to interact with these components later in this user guide.

Starting an Investigation

To start your first investigation or start a new investigation, complete the following steps:

1. From the main menu, select one of the following options:
 - **Investigations**, if this is your first investigation,
 - or **Create > Investigation**.

INVESTIGATIONS

VISUALIZE & COLLABORATE

Investigations allows analysts to visually analyze threat intelligence, collaborate with others, and document their findings.

Start your first Investigation



Need Help?



2. If this is your first investigation, click **Start your first investigation**.

CREATE INVESTIGATION



Name

Status

Open



Priority

Normal



Visibility

Private



Description

Create

3. Type a **Name** for the investigation.

4. Select a **Status**:

- **Open** - Open investigations appear as normal on the Investigations page.
- **Closed** - Closed investigations appear greyed out on the Investigations page.

5. Select a **Priority**:

- **Normal**
- **Escalated**



What's normal and escalated depends upon your organization.

6. Select a **Visibility**:

- **Private** - Only you can view and work with the investigation.
- **Shared** - All ThreatQ users in your organization can view and work with the investigation.

7. Optionally, type a **Description** for the investigation.

8. Click **Create**.

The investigation workbench appears.

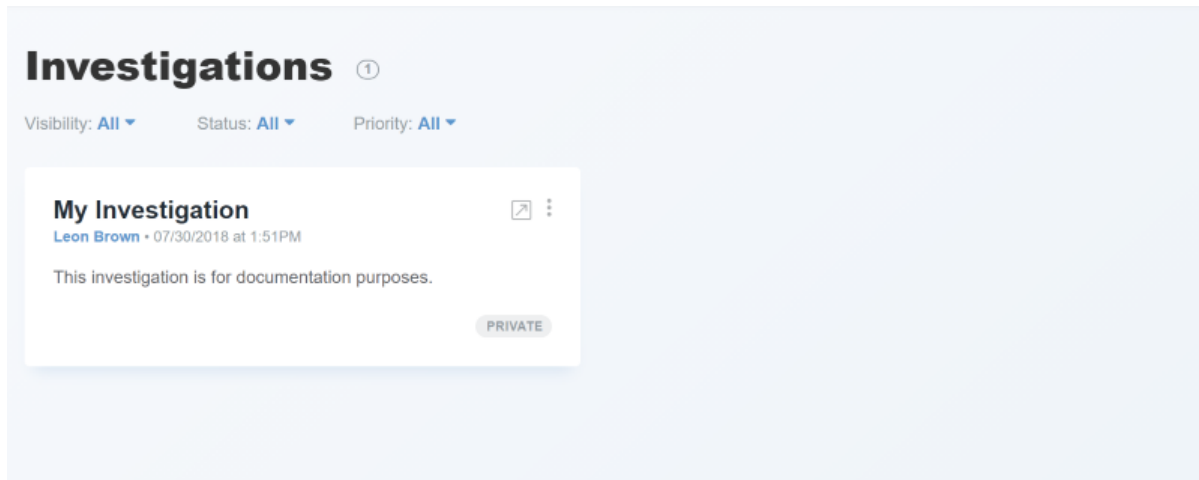


Managing Investigations

After an investigation is created, you can manage it on the Investigations page.

Procedure:

1. From the main menu, select **Investigations**.



2. The following table describes the actions you can take to manage your investigations on the Investigations page.

TO	YOU CAN
Create a new investigation	Select one of the following options: ◦ Start your first investigation ◦ Create > Investigation See Starting an Investigation .
Filter which investigations are viewed	See Filtering Investigations .
Continue an investigation	Select the investigation title; see Continuing an Investigation .

TO

YOU CAN

Edit an investigation

Duplicate an investigation

Close an investigation

Make an investigation private or shared

Click the vertical ellipsis menu and select one of the following options:

- **Make Private**
- **Make Shared**

See [Changing the Visibility of an Investigation](#).

Delete an investigation

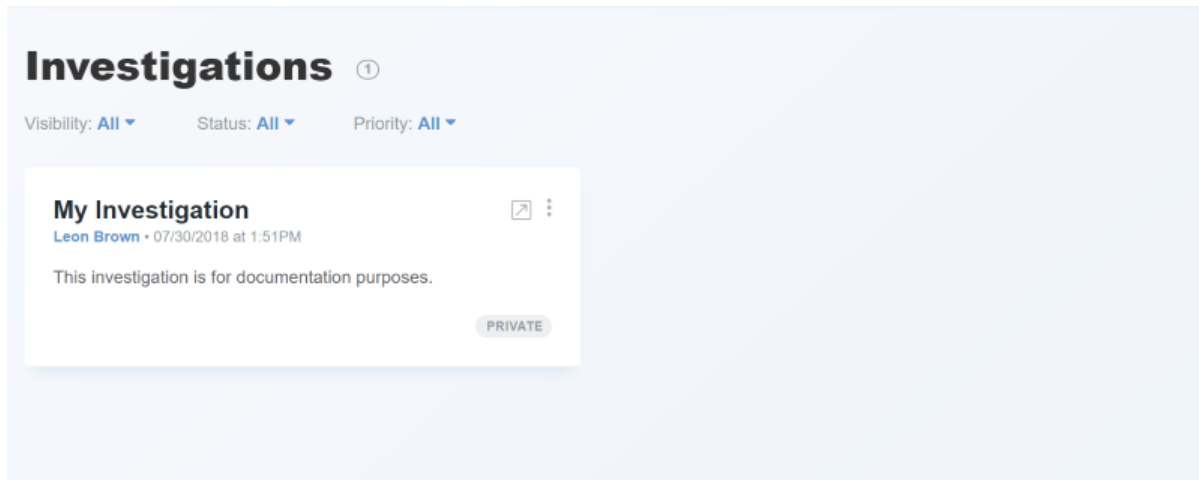
Click the vertical ellipsis menu and select **Delete**; see [Deleting an Investigation](#).

Filtering Investigations

To manage the number of investigations viewed from the Investigations page, you can apply filters to view investigations based on specific criteria.

Procedure:

1. From the main menu, select **Investigations**.



2. Optionally, for **Visibility**, select one of the following filtering criteria:

- All
- Private
- Shared

3. Optionally, for **Status**, select one of the following filtering criteria:

- All
- Open
- Closed

4. Optionally, for **Priority**, select one of the following filtering criteria:

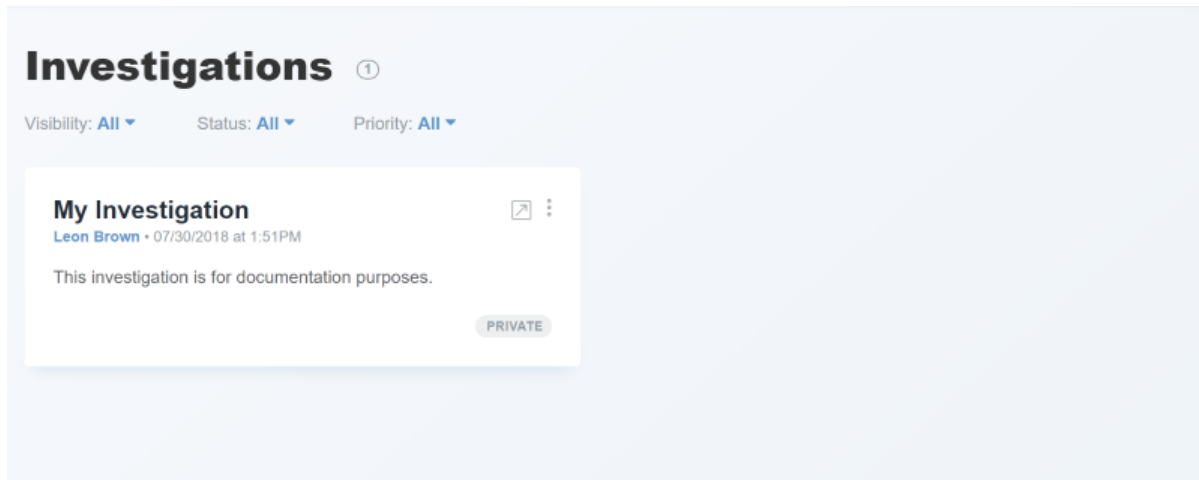
- All
- Normal
- Escalated

Continuing an Investigation

To return to an investigation after working in another area of ThreatQ, complete the following steps:

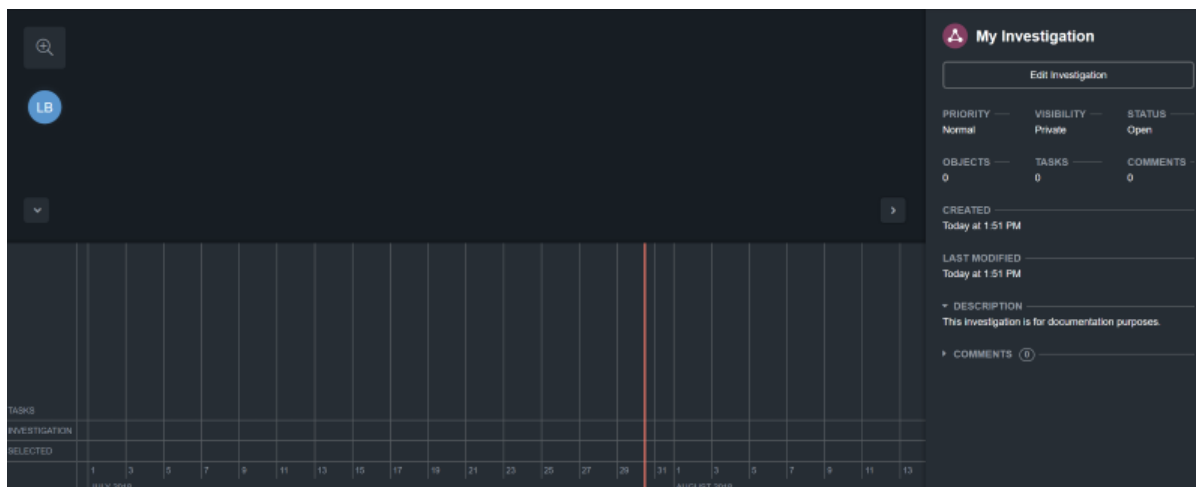
Procedure:

1. From the main menu, select **Investigations**.



2. Click the name of the investigation you want to continue.

The investigation workbench appears.

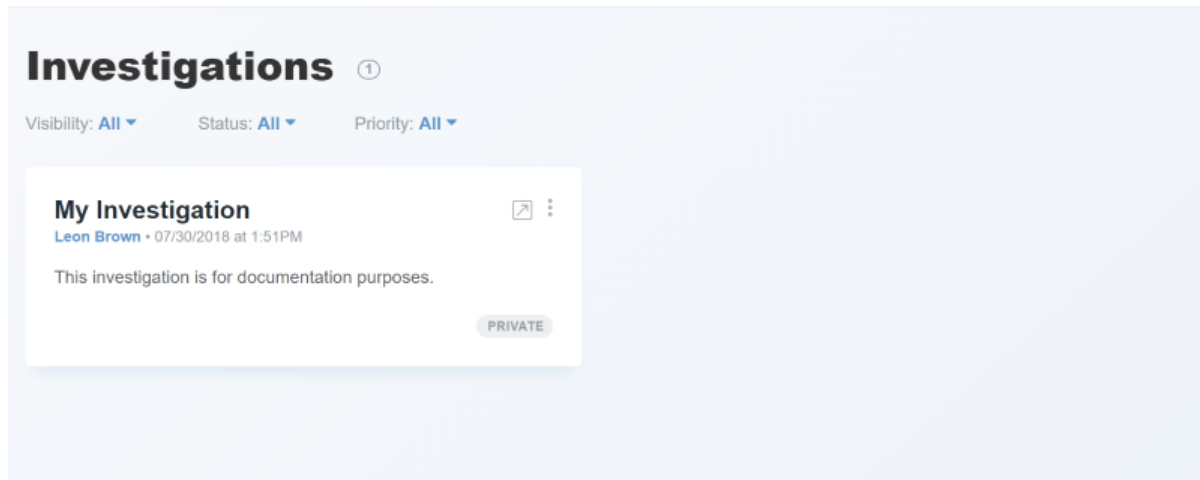


Changing the Visibility of an Investigation

You can change the visibility of an investigation from the Investigation page. As desired, you can decide whether an investigation is visible only to you or shared with everyone in your organization.

Procedure:

1. From the main menu, select **Investigations**.



2. Select the investigation you want to edit.
3. Click the vertical ellipsis menu and select one of the following options:
 - **Make Private**
 - **Make Shared**

Deleting an Investigation

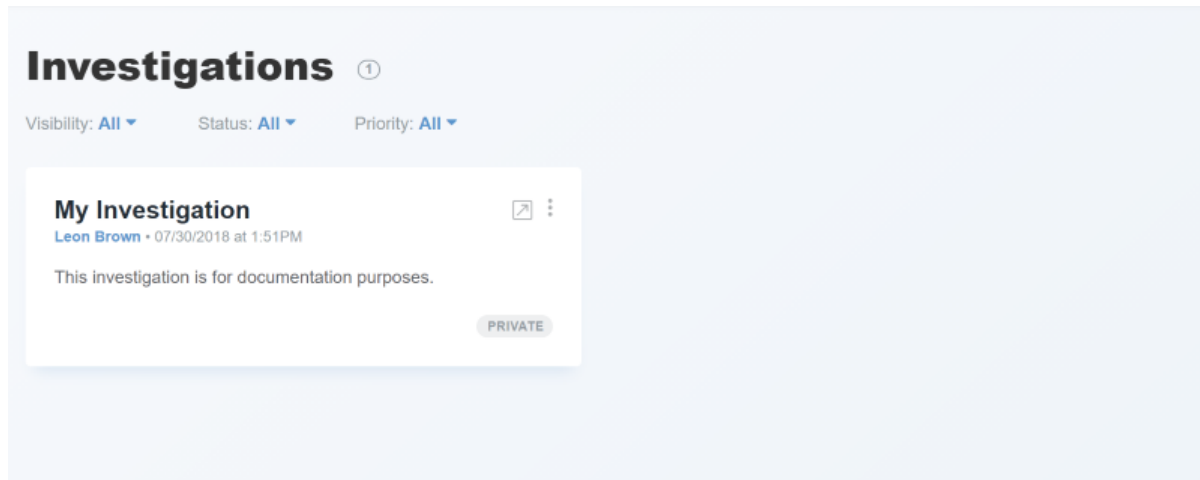
Only the owner of an investigation can delete it. Deleting an investigation removes it from the Investigations page and also from your system. Take care in selecting this option.

1. From the main menu, select **Investigations**.
2. Click the name of the investigation you want to edit.
3. Click the vertical ellipsis menu and select **Delete**.
4. Click **Delete Investigation**.

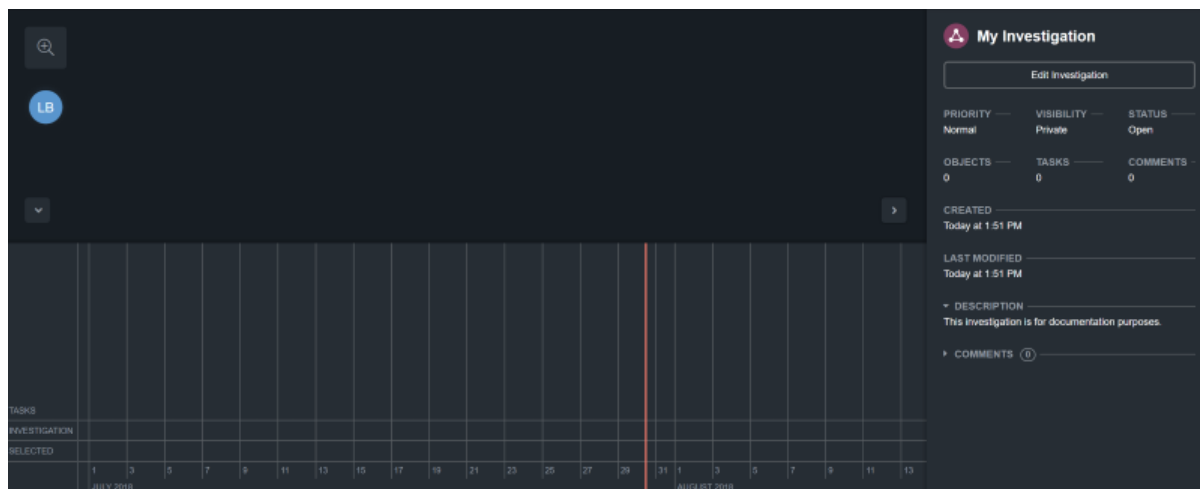
Editing an Investigation

To edit the original parameters for an existing investigation, complete the following steps:

1. From the main menu, select **Investigations**.



2. Click the name of the investigation you want to edit.



3. Make sure that no nodes have the mouse focus and that you are viewing the action panel for the investigation.

 **My Investigation**

Edit Investigation

PRIORITY —
Normal

VISIBILITY —
Private

STATUS —
Open

OBJECTS —
0

TASKS —
0

COMMENTS —
0

CREATED —
Today at 1:51 PM

LAST MODIFIED —
Today at 1:51 PM

▼ DESCRIPTION —
This investigation is for documentation purposes.

► COMMENTS ① —

4. In the action panel, click **Edit Investigation**.

EDIT INVESTIGATION



Name

My Investigation

Status

Open

Priority

Normal

Visibility

Private

Description

This investigation is for documentation purposes.

Save

5. Optionally, edit the **Name** for the investigation.
6. Optionally, select a new **Status**:
 - **Open** - Open investigations appear as normal on the Investigations page.
 - **Closed** - Closed investigations appear greyed out on the Investigations page.
7. Optionally, select a new **Priority**:
 - **Normal**
 - **Escalated**



What's normal and escalated depends upon your organization.

8. Optionally, change the **Visibility**:
 - **Private** - Only you can view and work with the investigation.
 - **Shared** - All ThreatQ users in your organization can view and work with the investigation.

9. Optionally, edit the **Description** for the investigation.
10. Click **Save**.

Action Panel Overview

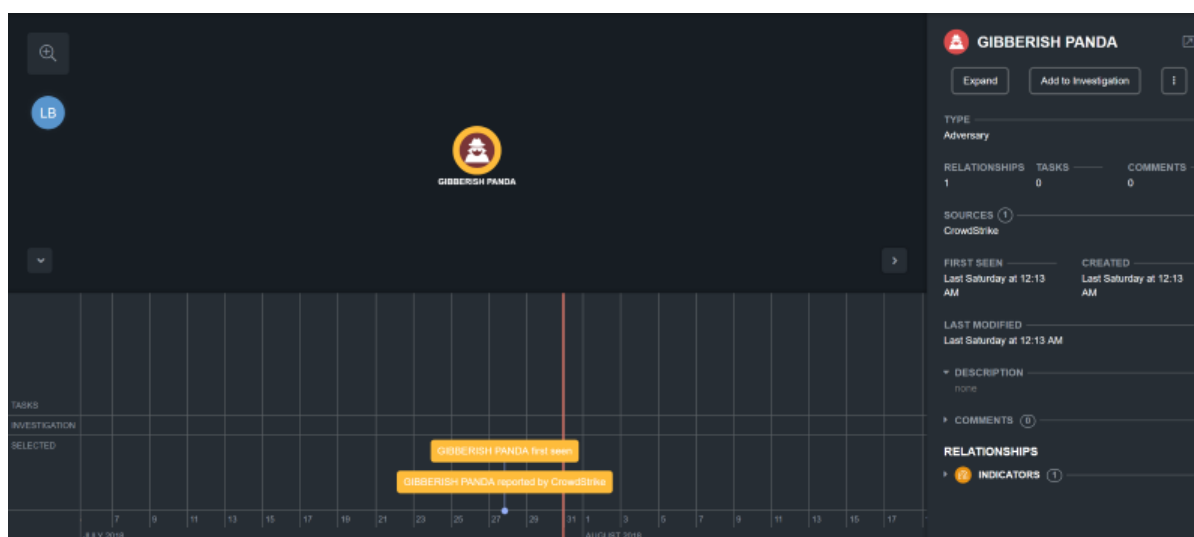
As you create an investigation and add objects to that investigation, these items are also reflected in the action panel. The action panel provides an overview of an item on the evidence board that currently has mouse focus. Depending on the item being summarized, you can also interact with and edit an object on the evidence board, and create timeline entries.

Managing Threat Intelligence Data from the Action Panel

After an object is added to the evidence board, you can manage some aspects of the object from the action panel.

Procedure:

1. On the evidence board, select and highlight the node that represents the object you want to manage.



2. The following table describes the actions you can take to manage your object from the action panel.

TO

YOU CAN

View the object's details page

Click the open in new tab icon beside the name of the object. For more information about object details pages, see the Object Details topic in the ThreatQ Platform guide.

TO

YOU CAN

View the object's relationships on the evidence board

Click **Expand**; see [Viewing an Object's Relationships on the Evidence Board](#).

Add the highlighted object to the investigation

Click **Add to Investigation**; see [Adding an Object to an Investigation](#).

Add a new task related to the object

Click the vertical ellipsis menu and select **New Task**; see [Adding a New Task Related to an Object](#).

Add a new timeline entry related to the object

Click the vertical ellipsis menu and select **New Timeline Entry**; see [Adding a New Timeline Entry Related to the Object](#).

Evidence Board

The evidence board is where most of the interaction takes place in an investigation. The evidence board allows you to add ThreatQ objects, such as indicators and adversaries to the investigation, represented as graphical nodes. The evidence board interacts with the other two components of an investigation workbench, the action panel and the timeline.

As you add objects to the evidence board, relevant information about that object is automatically included on the timeline. If you select to highlight a node on the evidence board, the action panel displays a summary relevant to that node. These summaries can range from as broad as the overall investigation to as granular as an attribute related to an object.

Adding Threat Intelligence Data to the Evidence Board

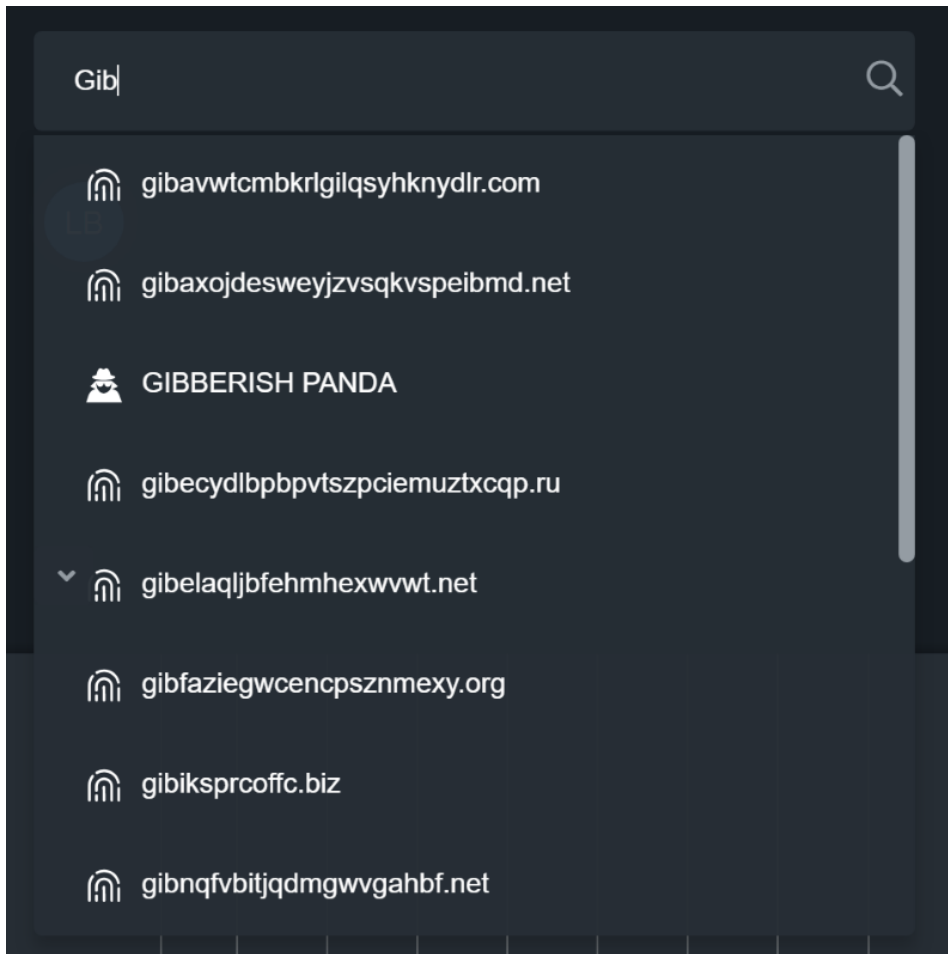
To begin an investigation, you must add threat intelligence data to the investigation workbench to explore and research. ThreatQ objects, such as indicators, adversaries, files, signatures, and events appear on the evidence board as nodes.



When you add an object to the evidence board, it becomes available for further examination. However, it does not immediately become a part of the current investigation. You must explicitly assign the object to the investigation. For more information, see [Adding an Object to an Investigation](#).

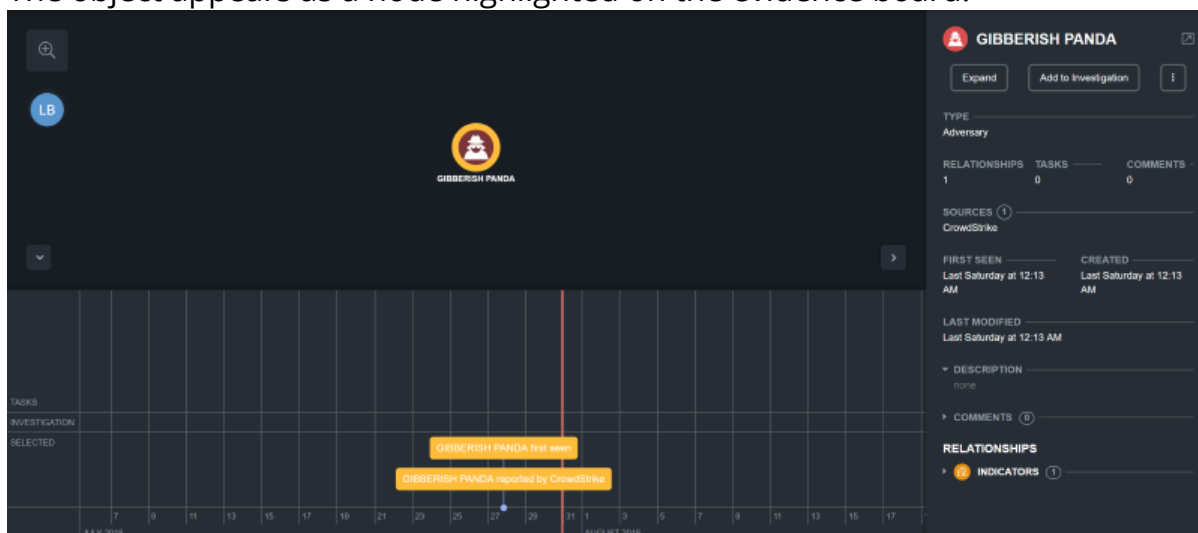
Procedure:

1. On the evidence board in the upper left corner, enter your search criteria to search the Threat Library for threat intelligence data.



If you enter an object name that is not found, you can click the Create link to add the new object. Then, select the object type you want to create from the drop-down list.

- When you discover your object, mouse over it and select it. The object appears as a node highlighted on the evidence board.



Relevant information about the object, such as when it was first seen and where it

originated appears on the timeline. With the object highlighted as the focal point, a summary appears in the action panel.

Adding a Task to an Investigation

ThreatQ allows you to create and assign tasks to yourself or other users in the platform. You can also utilize tasks in ThreatQ Investigations. When you assign a new task, you can add contextual information and correlate with Indicators, Events, Adversaries, Signatures, and Files.

For more information about Tasks, see the ThreatQ Platform documentation.

Procedure:

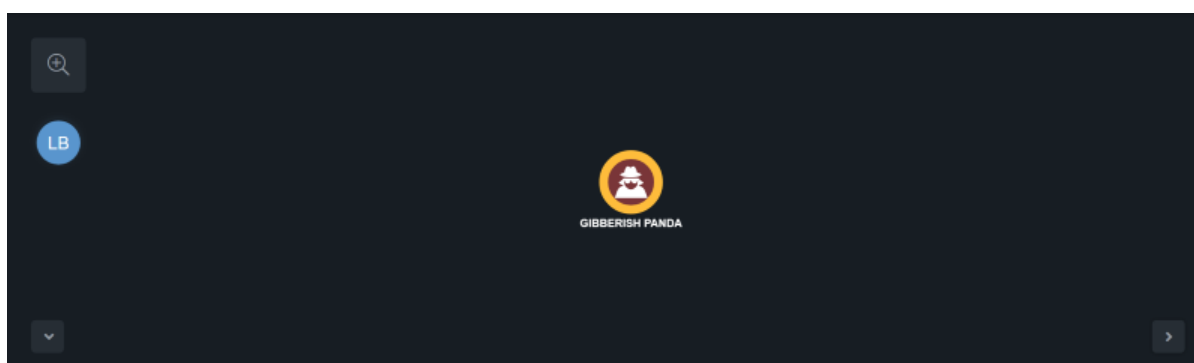
1. Right-click on an empty portion of the evidence board.
2. Right-click and select **New Task**.
The Add Task dialog box opens.
3. Enter a task **Name**.
4. Enter the assignee's email address in the **Assigned To** field.
5. Optionally, use the date picker to select a **Due Date**.
6. Select one of the following statuses:
 - To Do
 - In Progress
 - Review
 - Done
7. Select one of the following task priorities:
 - Low
 - Medium
 - High
8. Optionally, enter any **Associated Objects**.
9. Enter a **Description** for the task.
10. Click **Save**. The task is added to the evidence board and the timeline.

Managing Threat Intelligence Data on the Evidence Board

After an object is added to the investigation workbench, you can manage it on the evidence board.

Procedure:

1. On the evidence board, select and highlight the node that represents the object you want to manage.



2. The following table describes the actions you can take to manage your object on the evidence board.

TO

YOU CAN

View the object's details page

Right-click the node and select **View Details**; see [Accessing an Object's Details Page from the Evidence Board](#).

TO

YOU CAN

View the object's relationships on the evidence board

Right-click the node and select **Expand**; see [Viewing an Object's Relationships on the Evidence Board](#).

Add the highlighted object to the investigation

Right-click the node and select **Add to Investigation**; see [Adding an Object to an Investigation](#).

Select objects

Right-click the node and click **Select**. From this option, you can select all the objects on the Evidence Board or all objects of a specific type, such as all adversaries or all attack patterns.

Add a new task related to the object

Right-click the node and select **New Task**; see [Adding a New Task Related to an Object](#).

Add a new timeline entry related to the object

Right-click the node and select **New Timeline Entry**; see [Adding a New Timeline Entry Related to the Object](#).

Unlock or lock an object

Right-click the node and select **Unlock** or **Lock**; see [Locking and Unlocking an Object on the Evidence Board](#).

TO

YOU CAN

Delete an object from
the evidence board

Right-click the node and select **Remove**; see [Deleting an Object from the Evidence Board](#).

3. After you add an object to an investigation, the following additional options are available from the right-click menu:

TO

YOU CAN

Create a new object
and link it to
another

Right-click the node and select **Create Object And Link**;
see [Creating and Linking a New Object](#)

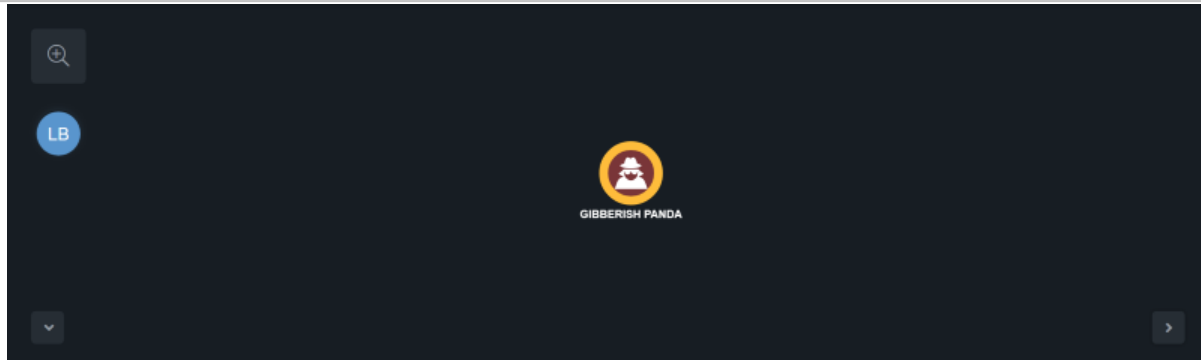
Remove an object
from the
investigation

Right-click the node and select **Remove from Investigation**.
When you remove an object from an investigation. It
remains displayed on the Evidence Board until you delete
it; see [Deleting an Object from the Evidence Board](#).

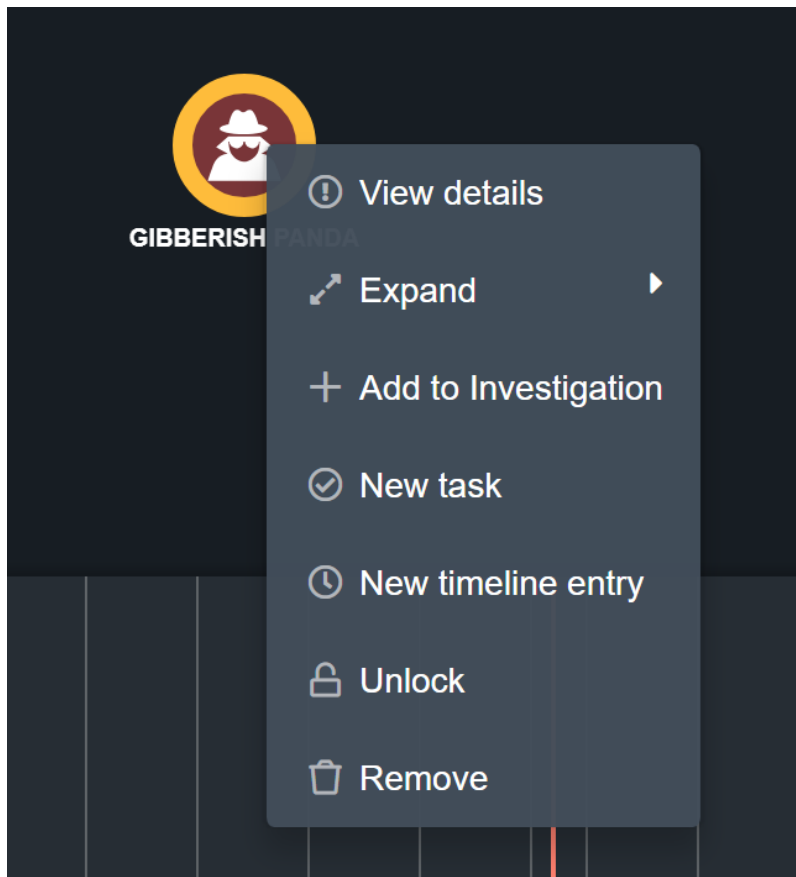
Accessing an Object's Details Page from the Evidence Board

You can select an object on the evidence board and launch its object details page in ThreatQ for further investigation. For more information about ThreatQ objects, see the ThreatQ Platform documentation.

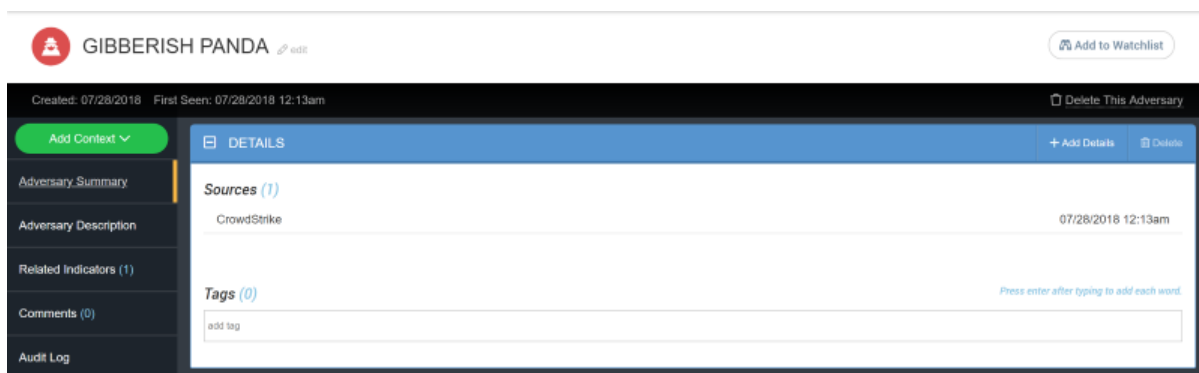
1. On the evidence board, select and highlight the node that represents the object you want to view.



2. Right-click and select **View Details**.



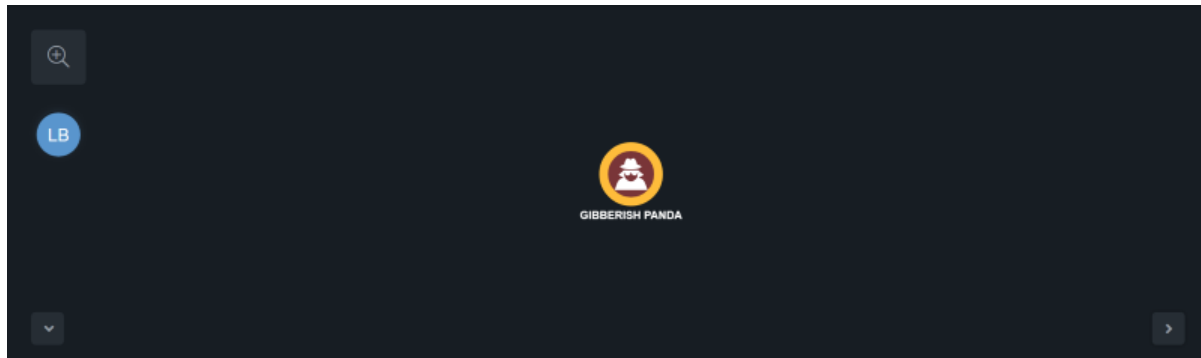
The ThreatQ object details page opens in a new browser tab.



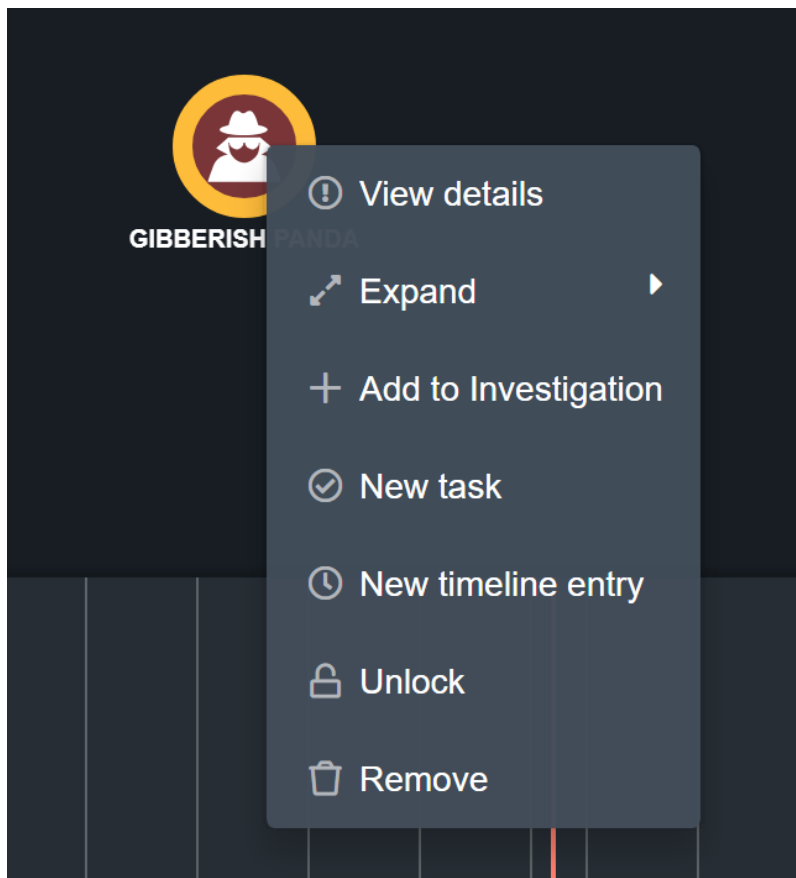
Viewing an Object's Relationships on the Evidence Board

After you add an object to the evidence board, you can view the object's relationships to other nodes, such as attributes and related indicators.

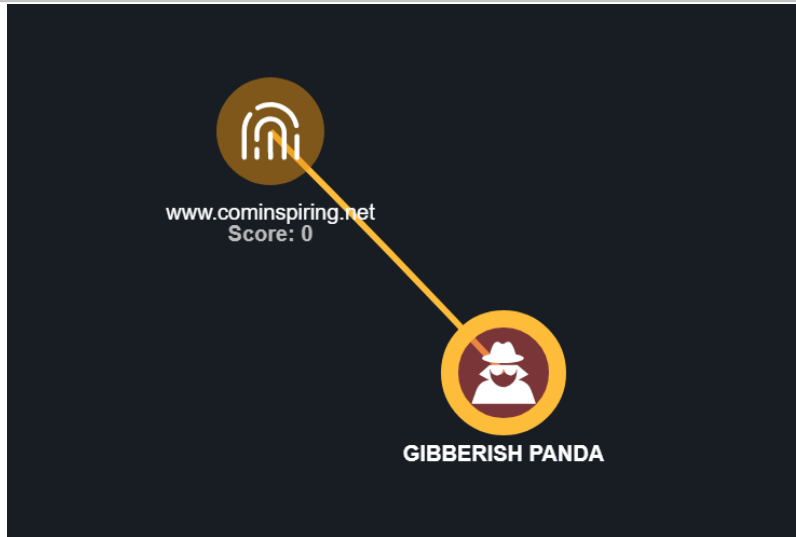
1. On the evidence board, select and highlight the node that represents the object you want to manage.



2. Right-click and select **Expand** <Object Type> or **Attributes**.



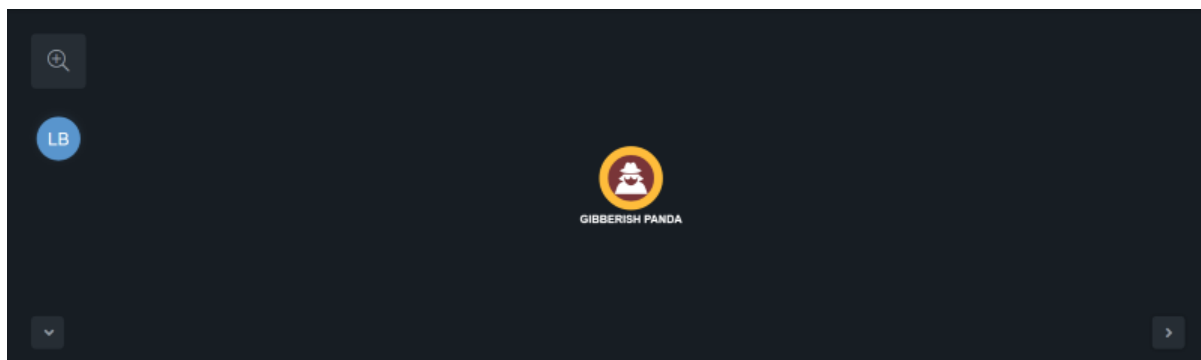
The node view expands to include related objects and attributes.



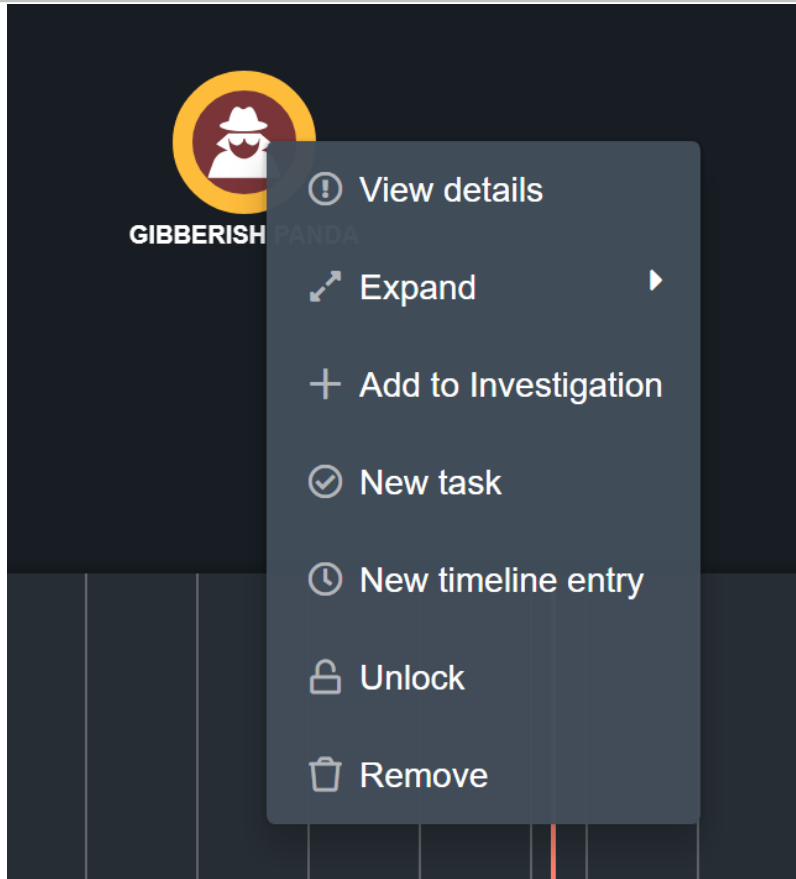
Adding an Object to an Investigation

When you add an object to the evidence board, it becomes available for further examination. However, it does not immediately become a part of the current investigation. You must explicitly assign the object to the investigation. Until you do so, only you can view the object in the investigation workbench, regardless of the investigation's visibility settings. After you add the object to the investigation, other ThreatQ users can view your work if the investigation is *shared*.

1. On the evidence board, select and highlight the node that represents the object you want to manage.



2. Right-click and select **Add to Investigation**.



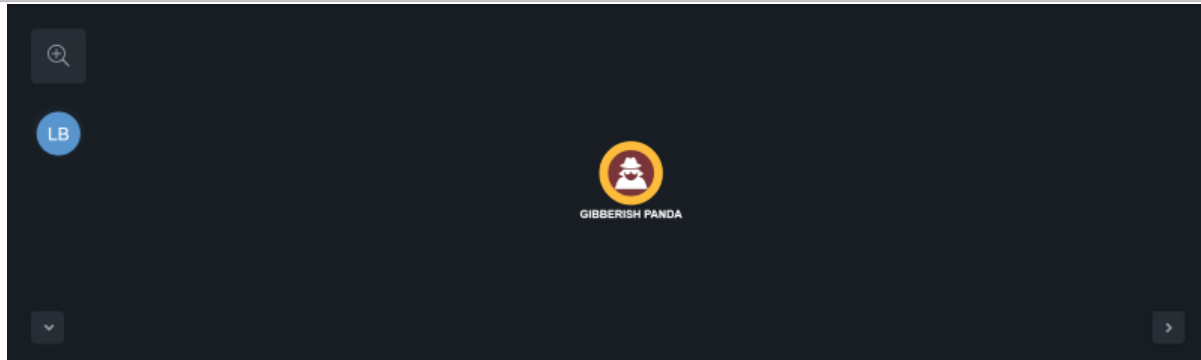
3. Optionally, you can remove the object from the investigation by right-clicking and selecting **Remove from Investigation**.

Adding a New Task Related to an Object

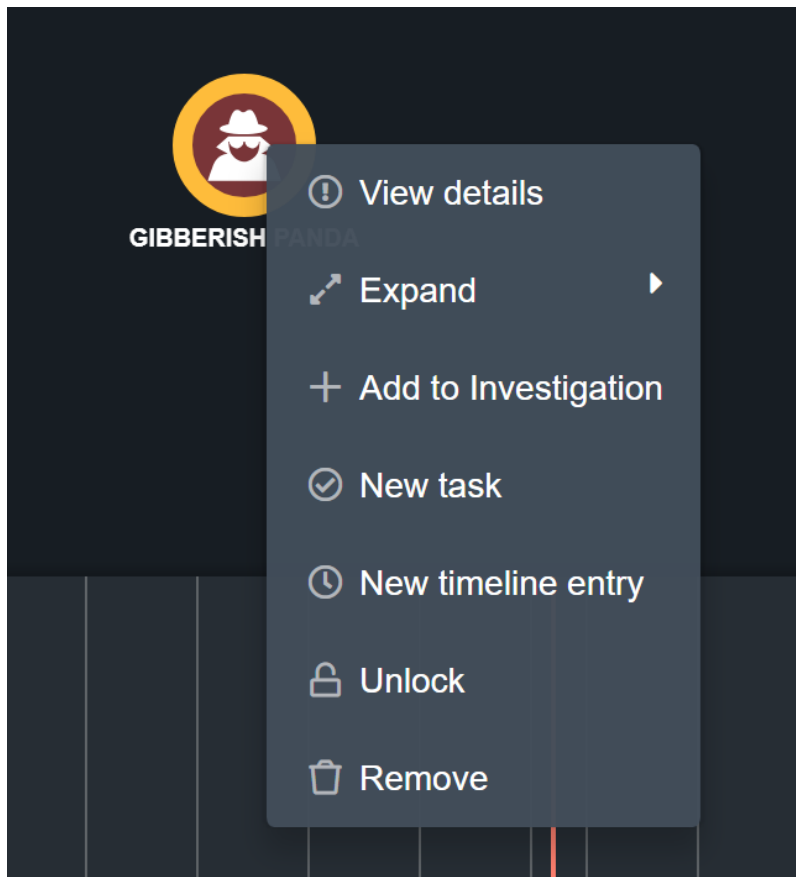
ThreatQ allows you to create and assign tasks to yourself or other users in the platform. You can also use tasks in ThreatQ Investigations. When you assign a new task related to an object on the evidence board, you are automatically adding contextual information and correlating the task with the selected object.

For more information about Tasks, see the Tasks topic.

1. On the evidence board, select and highlight the node that represents the object you want to create a task for.



2. Right-click and select **New Task**.



The Add Task dialog box opens.

3. Enter a task **Name**.
4. Enter the assignee's email address in the **Assigned To** field.
5. Optionally, use the date picker to select a **Due Date**.
6. Select one of the following statuses:
 - To Do

- In Progress
- Review
- Done

7. Select one of the following task priorities:

- Low
- Medium
- High

8. Optionally, enter any **Associated Objects**.

9. Enter a **Description** for the task.

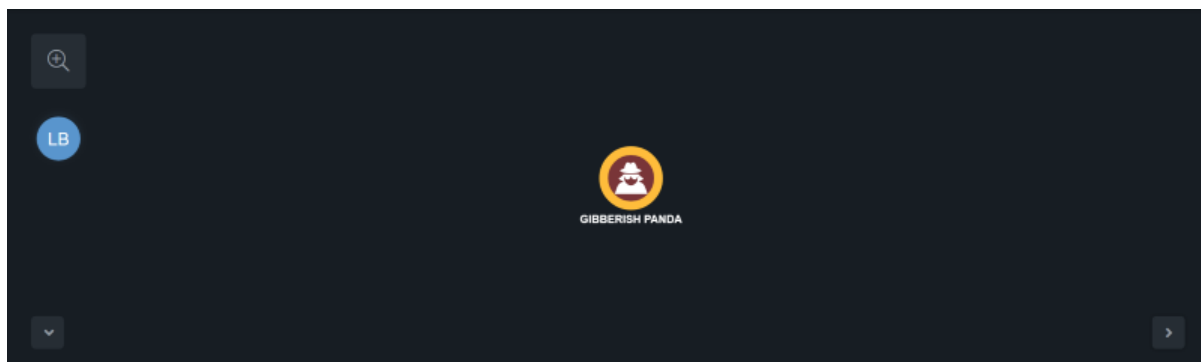
10. Click **Save**.

The task is added to the evidence board and the timeline.

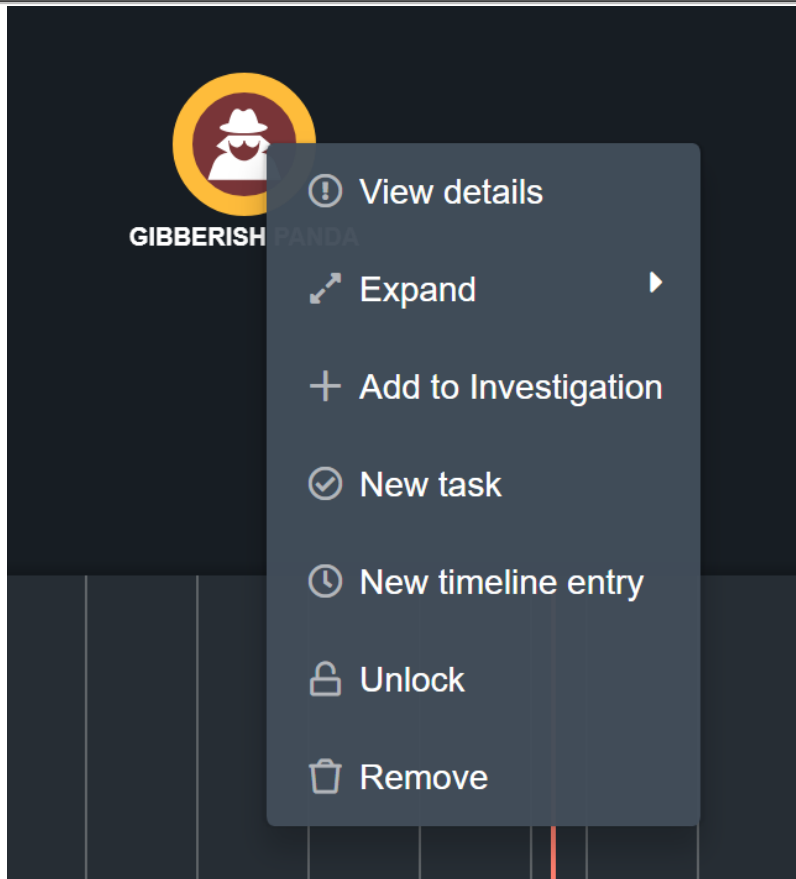
Adding a New Timeline Entry Related to the Object

When you add an object to the evidence board, some relevant attributes are included on the timeline. In addition, you can manually add timeline entries related to the object to use as milestones in the investigation. You can also add a timeline entry independent of a object; see [Adding a Timeline Entry](#).

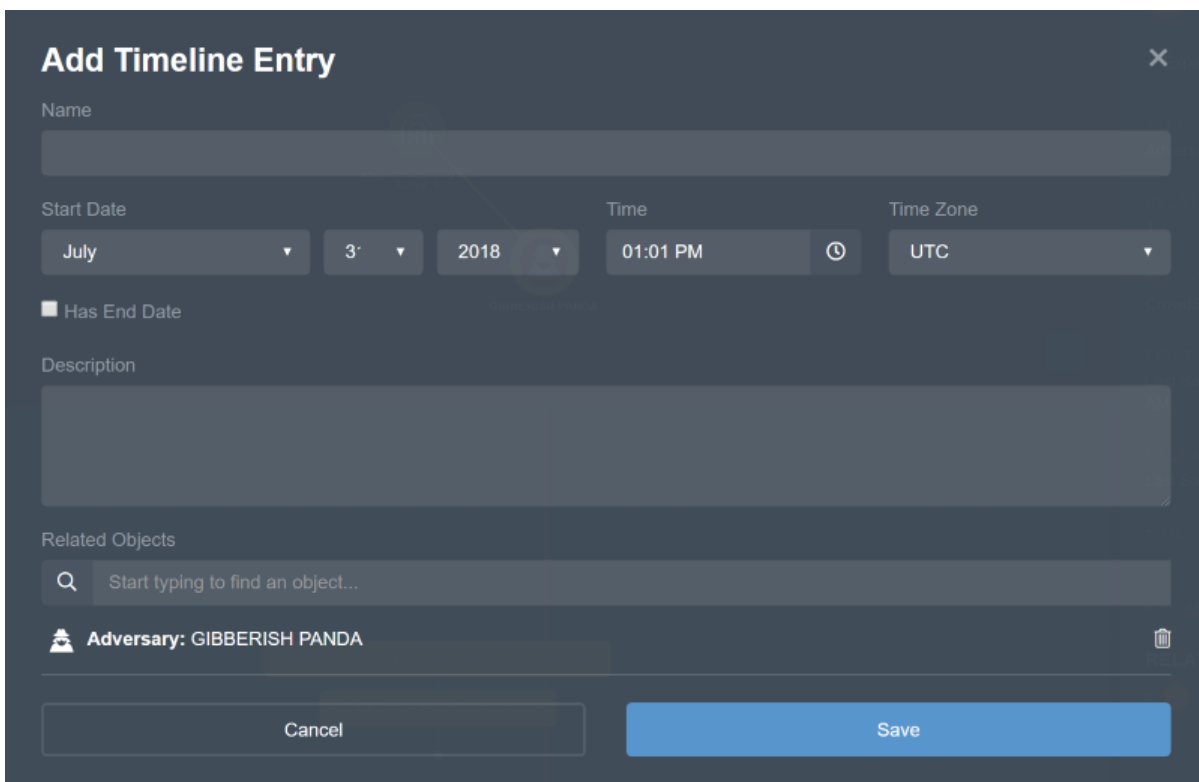
1. On the evidence board, select and highlight the node that represents the object for which you want to enter a timeline entry.



2. Right-click and select **New Timeline Entry**.



The **Add Timeline Event** dialog box appears.

A screenshot of the 'Add Timeline Entry' dialog box. The dialog has a dark grey background and a title bar with the text 'Add Timeline Entry' and a close button (X). The form contains the following fields and controls: a 'Name' text input field; 'Start Date' section with dropdowns for 'July', '3', and '2018'; a 'Time' section with a text input '01:01 PM' and a clock icon; a 'Time Zone' dropdown set to 'UTC'; a checkbox labeled 'Has End Date'; a 'Description' text area; a 'Related Objects' section with a search bar containing the text 'Start typing to find an object...'; and an 'Adversary' section showing 'Adversary: GIBBERISH PANDA' with a trash can icon. At the bottom, there are 'Cancel' and 'Save' buttons.

3. Enter a **Name** for the entry.

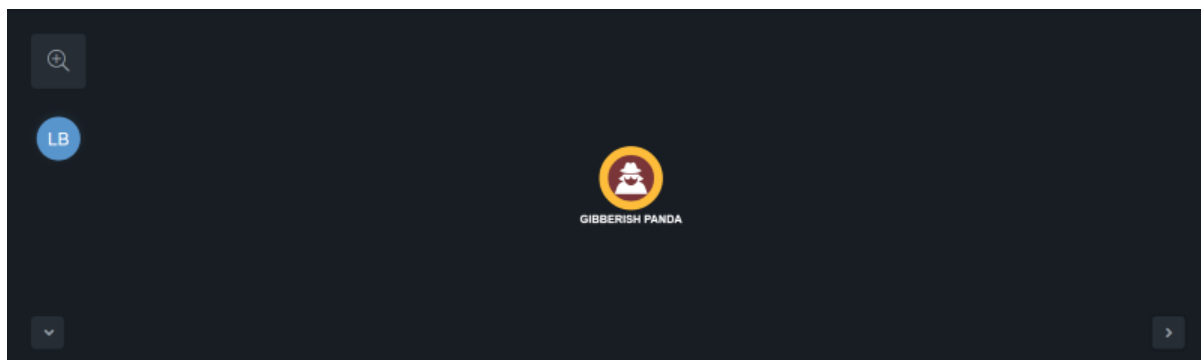
4. Enter a **Start Date, Time, and Time Zone**.
5. Optionally, select if the entry has an end date. If selected, enter an **End Date, Time, and Time Zone**.
6. Enter a **Description** for the timeline entry.
7. Optionally, enter any **Related Objects**.
8. Click **Save**.

A new entry appears in the timeline.

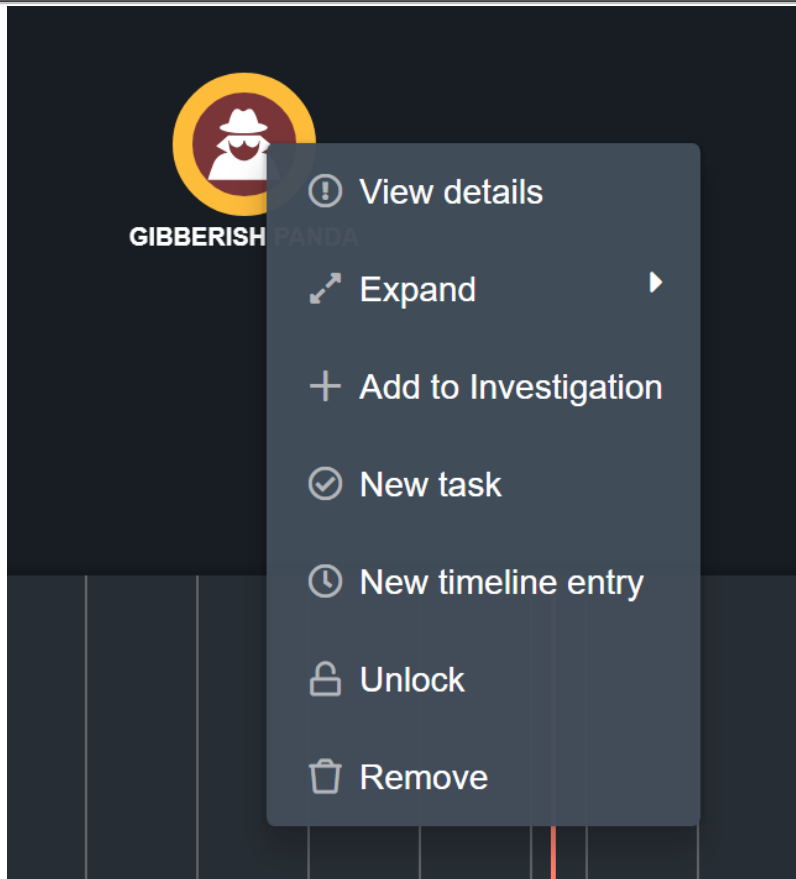
Locking and Unlocking an Object on the Evidence Board

When an object is locked on the evidence board, it does not move when you click and drag a related attribute or object.

1. On the evidence board, select and highlight the node that represents the object you want to unlock.



2. Right-click and select **Unlock**.

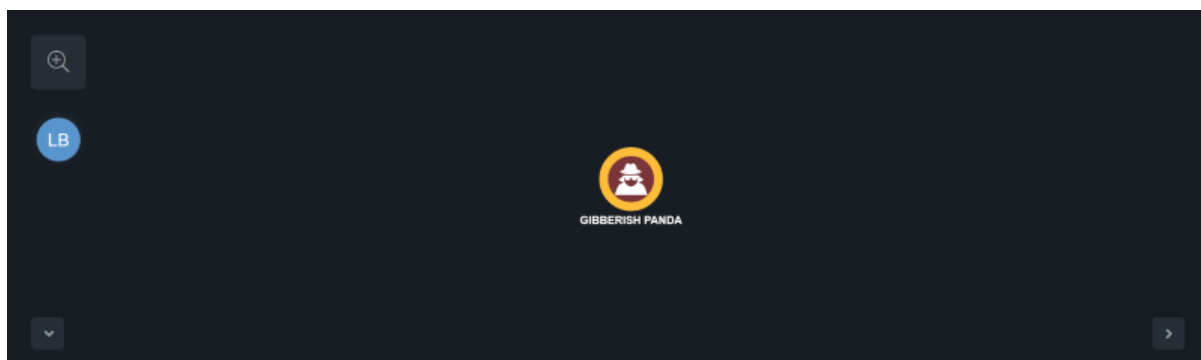


3. Optionally, if you want to lock the object, right-click and select **Lock**.

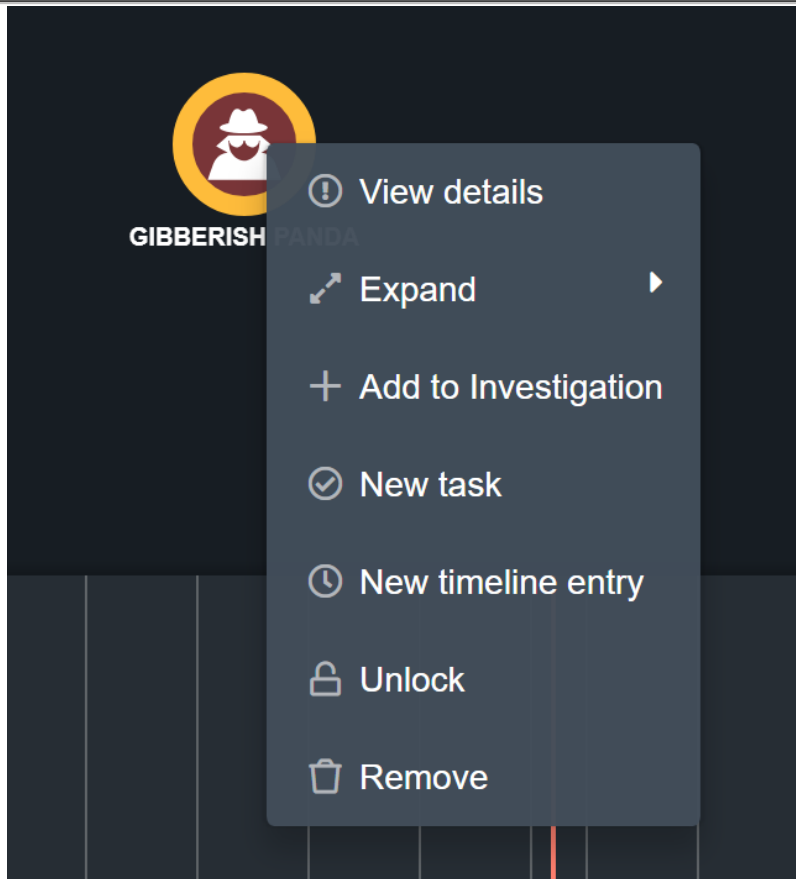
Deleting an Object from the Evidence Board

Deleting an object removes it from the evidence board and your investigation, but not from the ThreatQ platform.

1. On the evidence board, select and highlight the node that represents the object you want to manage.



2. Right-click and select **Remove**.



3. Click **Remove**.

Selecting Multiple Objects on the Evidence Board

You can select multiple objects and apply changes to all objects at once. To multi-select objects, you can right-click and drag a selector box around the objects or press command (mac) or control (windows) and select the objects.

1. On the evidence board, press and hold command (mac) or control (windows), right-click and drag a selector box around the desired objects, then release the keyboard and mouse button.

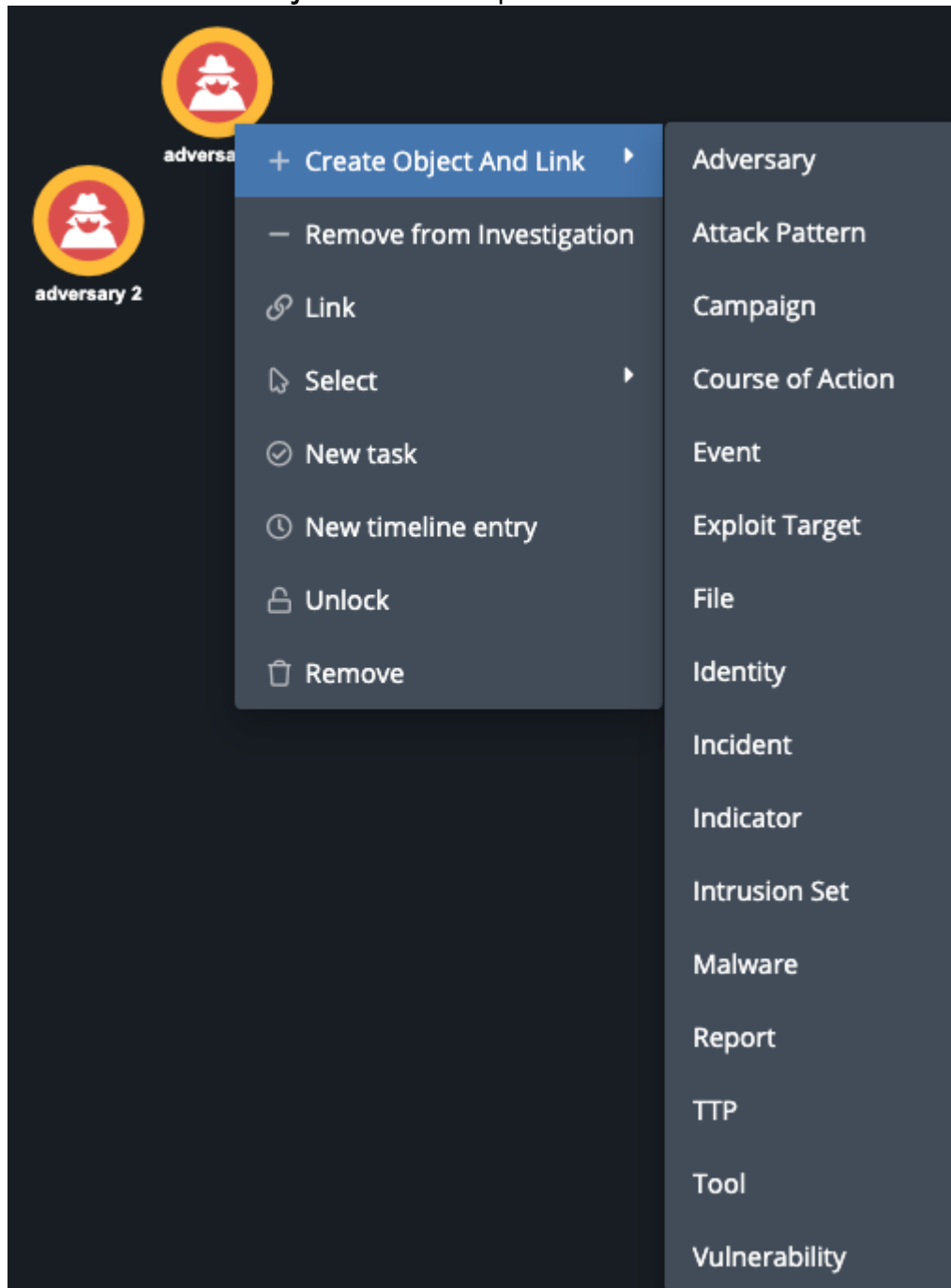
The selected objects are highlighted on the evidence board.

2. Right-click and complete the available tasks as desired in [Managing Threat Intelligence Data on the Evidence Board](#).

Creating and Linking a New Object

The **Create Object And Link** option allows you to create a new object and link it to object(s) on the evidence board.

1. From the evidence board, select one or more nodes and right-click.
2. Select the **Create Object And Link** option.



3. From the object type list, select the type of object , such as an Adversary or Attack Pattern, you want to create.

The add form for the object type is displayed. The Related Objects section lists all the

nodes you selected in step 1. To remove a related object, click the trashcan icon next to the node.

4. Click the **Add <object type>** button to save the new object and add it to the evidence board. The object is linked to all the objects listed in the Related Objects section.

Using the Timeline

The following describes how to use the timeline in an investigation.

Timeline Overview

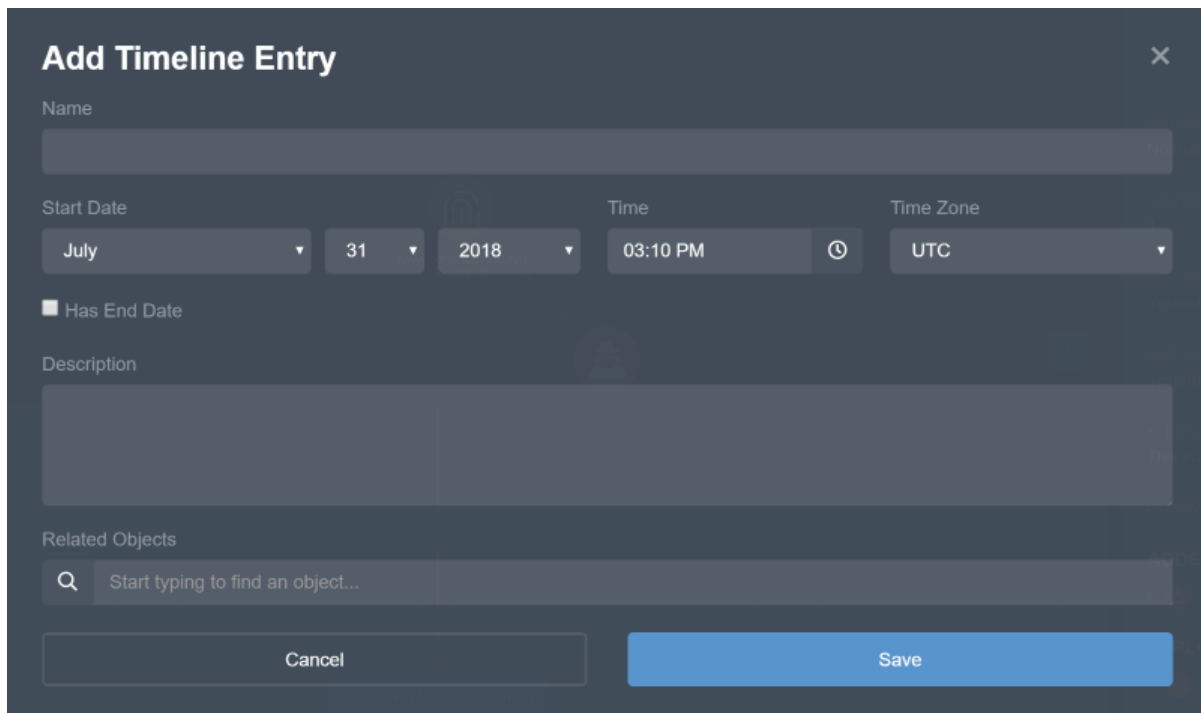
The timeline provides a view of milestones and tasks within an investigation. Most timeline events are auto generated, such as when ThreatQ first encountered an object and how the threat intelligence data was discovered, for example, via feed. When you create a task, it is also added to the timeline. Finally, you can create a timeline event associated with or independent of an object.

Adding a Timeline Entry

When you add an object to the evidence board, some relevant attributes are included on the timeline. You can also manually add timeline entries to use as milestones in the investigation.

Procedure:

1. Right-click on an empty portion of the evidence board.
2. Right-click and select **New Timeline Entry**.



Add Timeline Entry ×

Name

Start Date

July 31 2018

Time

03:10 PM

Time Zone

UTC

☐ Has End Date

Description

Related Objects

Start typing to find an object...

Cancel Save

The **Add Timeline Event** dialog box appears.

3. Enter a **Name** for the entry.
4. Enter a **Start Date, Time, and Time Zone**.
5. Optionally, select if the entry has an end date. If selected, enter an **End Date, Time, and Time Zone**.
6. Enter a **Description** for the timeline entry.
7. Optionally, enter any **Related Objects**.
8. Click **Save**.

A new entry appears on the timeline.

Viewing a Timeline Entry Summary

After an item is added to the timeline, you can view a summary of that item in the investigation workbench. Some of these panels allow you to perform actions, such as launching an object's details page and deleting a task.

Procedure:

1. From the investigation workbench, select an item on the timeline.
2. Double-click the item to open the summary panel.



GIBBERISH PANDA

Timeline Entry

🗑️

NAME _____

Escalating to Security Team

TIME _____

07/31/2018 05:01pm

AUTHOR _____

Leon Brown

RELATED OBJECTS _____

GIBBERISH PANDA

Escalating to Security Team

GIBBERISH PANDA first seen

GIBBERISH PANDA reported by CrowdStrike