

Instana Release Notes - Build #108

20. May 2016

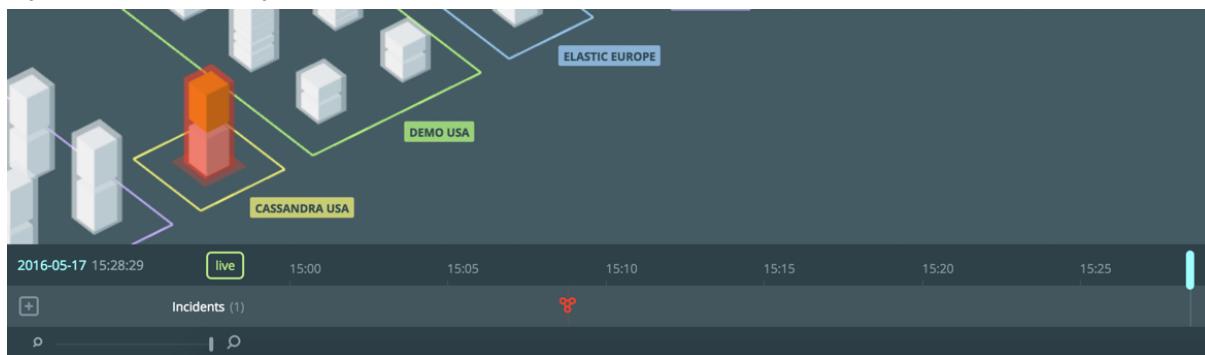
Features

New Timeline and Timeshift Investigation

With the last Release Note we introduced the Timepicker, as first step to a lot more powerful concept: the new Timeline, we are now happy to announce.

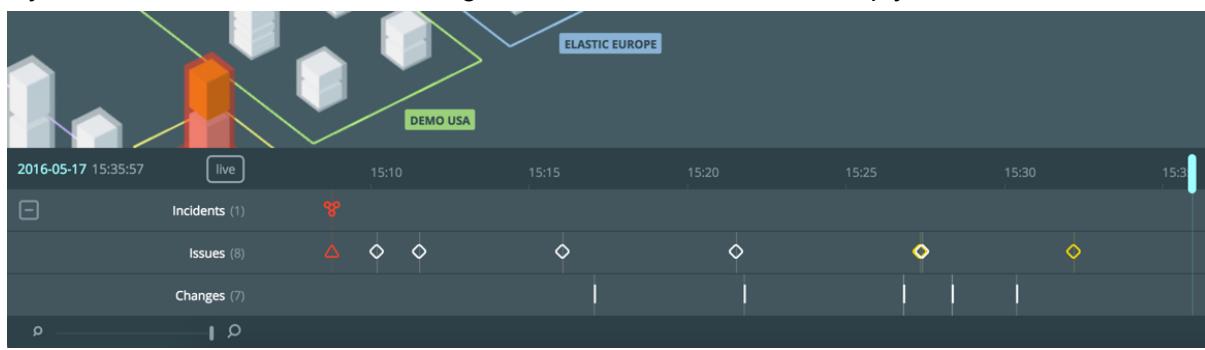
It enables you to move seamlessly back in time, zoom into the relevant situations and investigate in detail even very complex situations.

If you open Instana you are presented with the collapsed timeline, set on live mode:



It shows Incidents on the first level and “ticks” every second. If you want to zoom out - you can either use the magnifying glasses and the slider or use “scroll” within the timeline with your mouse - if still in live it continues “to tick”.

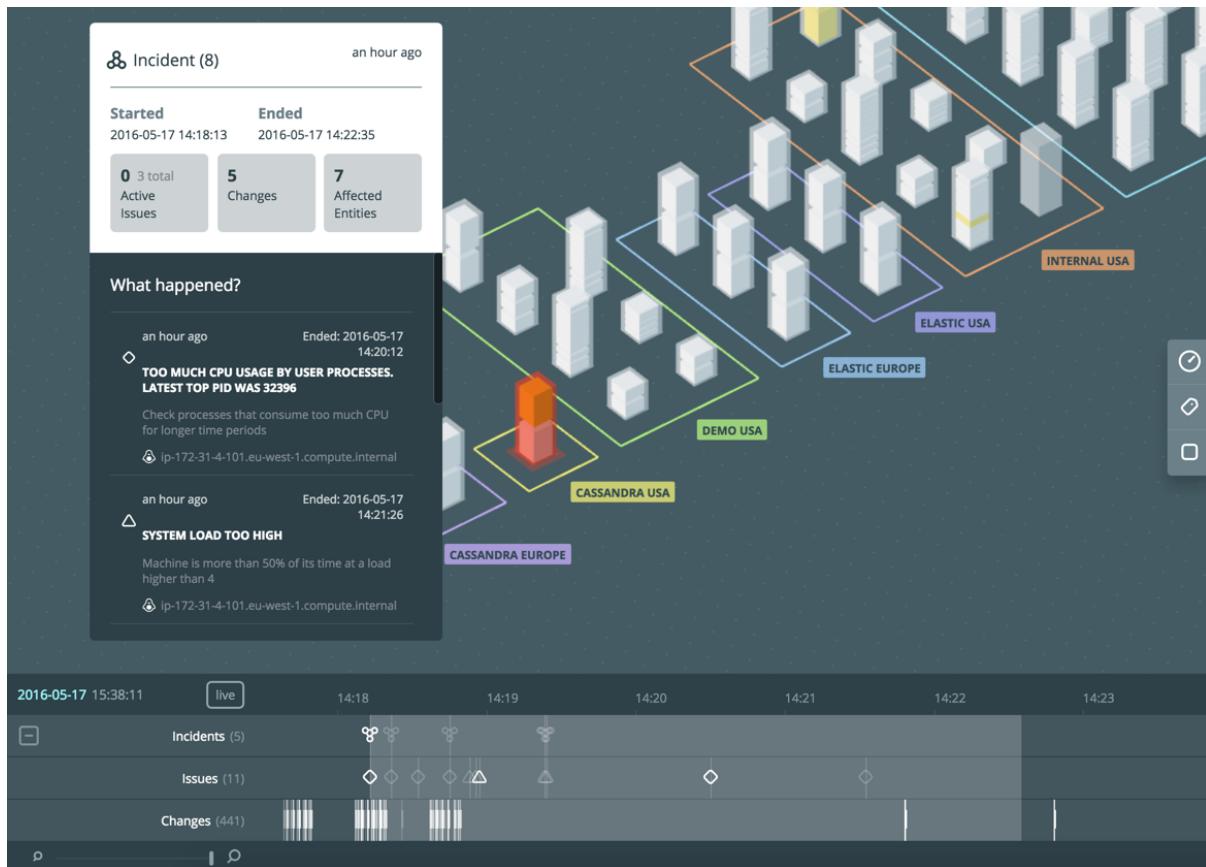
If you want to see Issues and Changes in addition to Incidents, simply click the +:



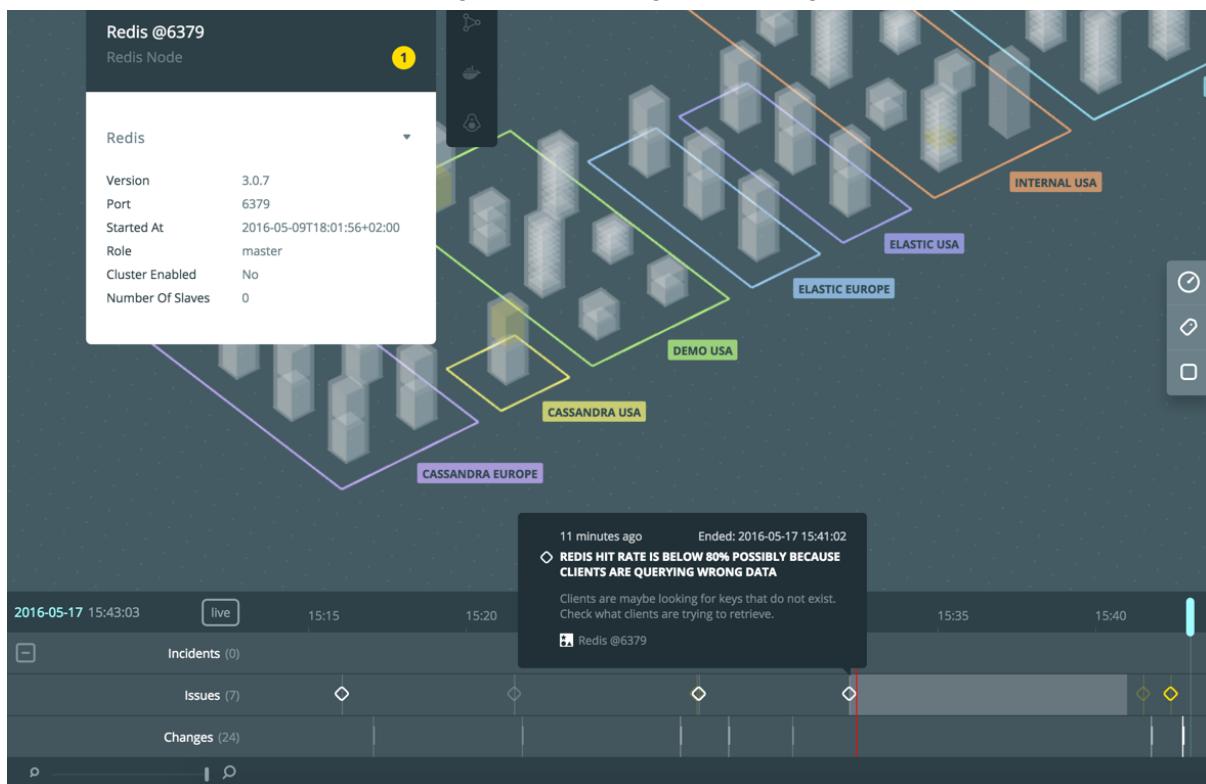
Every lane of the timeline now presents you different event types.

You can then investigate incidents by clicking on them and visualizing all the events that are grouped into that incident.

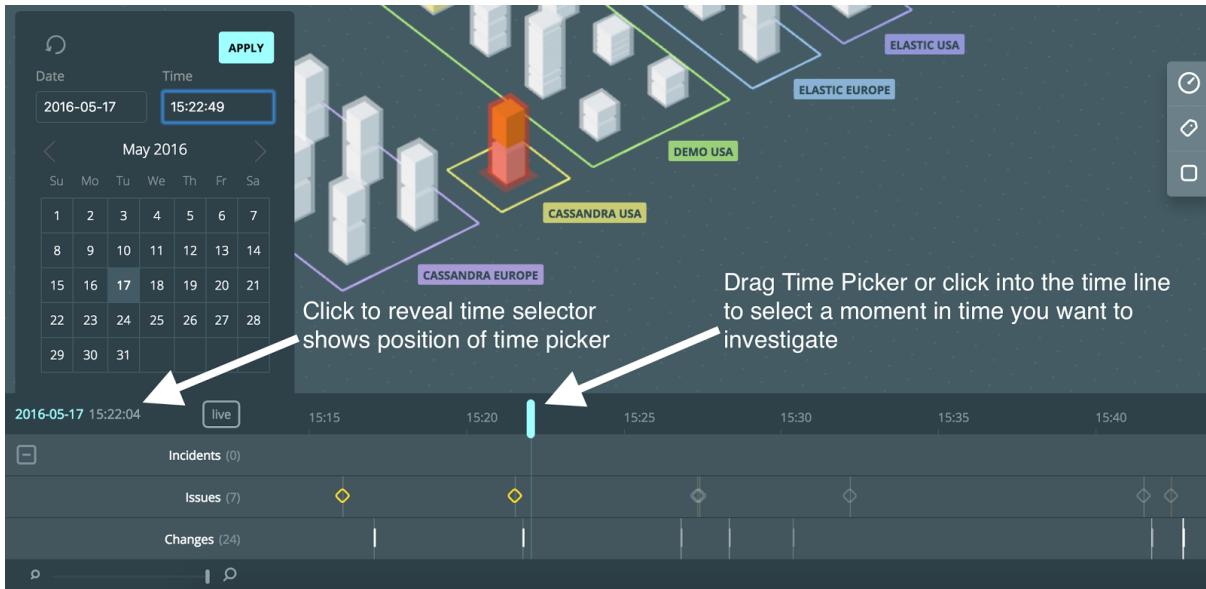




When selecting an event in the timeline or a component on the map the timeline highlights the events that are related, enabling understanding of recurring patterns and escalations:



And now to the **time shift** capability. You may have already recognized the “live” button. If it is green: all metrics stream and the map shows the live state. If it is not: the map shows the state (machines and health) where the “timepicker” is placed - the exact moment is shown on the left. By clicking on the date and time on the left, you can select the moment you want to investigate from a time selector.

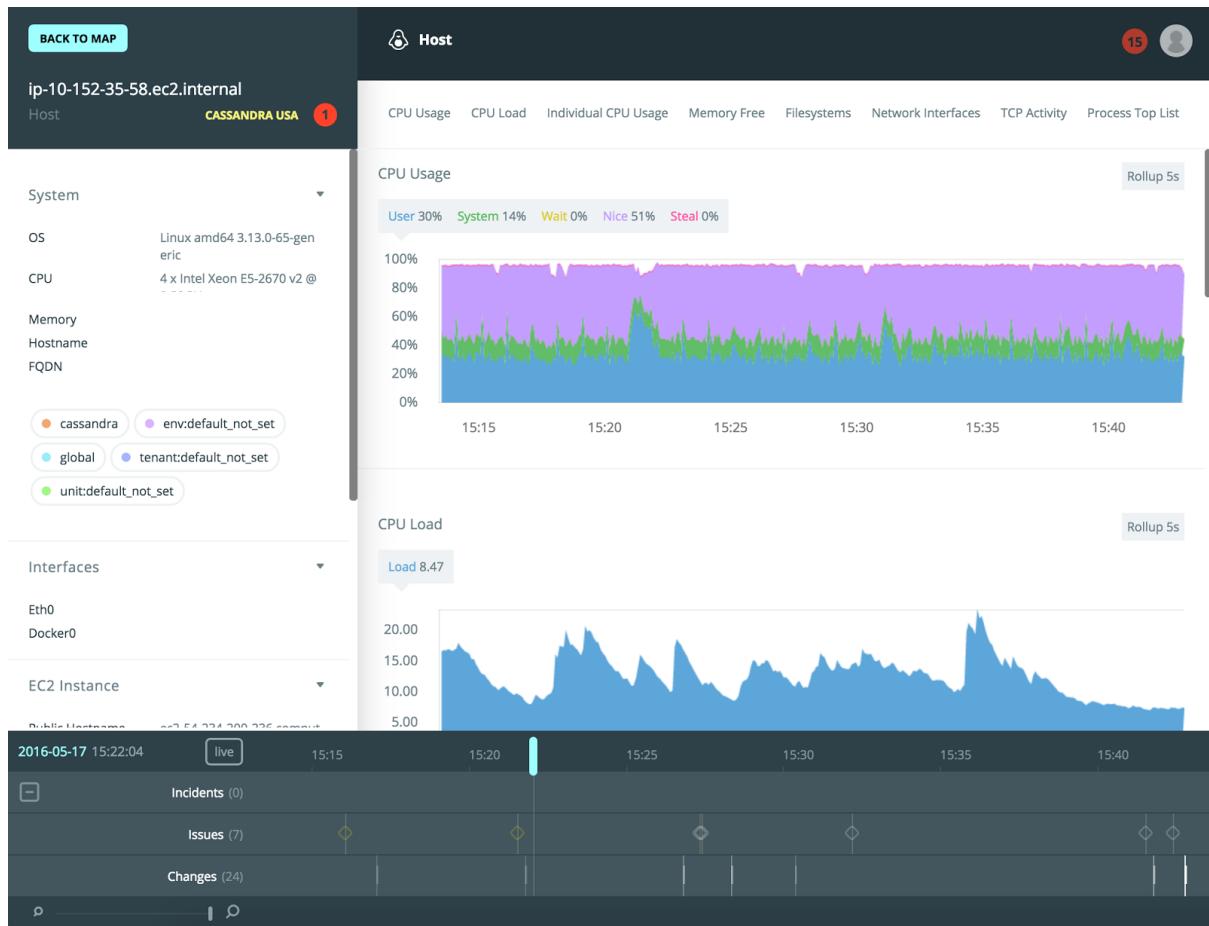


The new Timeline shows with colors all the issues that were active at the moment in time selected with the Timepicker - visualizing the full context at any specific moment in the past.

With zooming in and out, dragging the timeline and selecting moments in time you are now able to move back in time and replay the behavior of all the components in your environment.

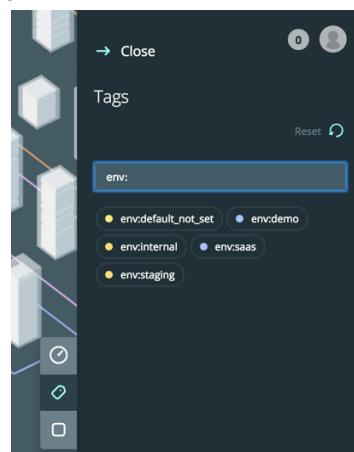
The Timeline impacts also the Dashboards that now show the data of the selected time range (marked by the left and right border of the zoomed in range).





Tag search

When opening the tag overview you can now search and filter tags with a search field



Newly supported technologies

- HAProxy
- PostgreSQL



Improvements

- Massive Kafka Sensor Improvements
More metrics and knowledge covering more use cases to monitor Kafka
- If a discovered Cluster is selected the members are highlighted on the map
- Issues now show when they ended with a timestamp
- Tomcat Sensor shows currentThreadsBusy as new metric
- Tags are now sorted alphabetically regardless of casing
- RabbitMQ Sensor will autoconfigure itself from the used configuration file
- PHP-FPM shows memory usage of all workers

Fixed Issues

- Various harmless but chatty error loggings from the Java Tracing
- Fixed Java Agent upgrade issues requiring a JVM restart for the new version to work
- Showing no loading indicator if Traces are not present
- Traces will be actually present for EU customers
- Changes in reverse dns lookups are normalized to lowercase and no longer cause flipping change events
- Compatibility with older redis versions
- Mysql and Maria DB Sensor will now be able to parse more non-default configurations correctly

Known Issues

- When selecting the past it may be that configuration data is not accurate. We are working to fix this.
- When not in live mode and selecting a tag to filter map goes empty. This is due to missing data and we are already working to fix it.

Please feedback via Slack or Mail to michael.krumm@instana.com around the new features, the improvements and especially your ideas and other points you have around Instana. We have a lot cooking at the moment so stay tuned - more to come soon!

