

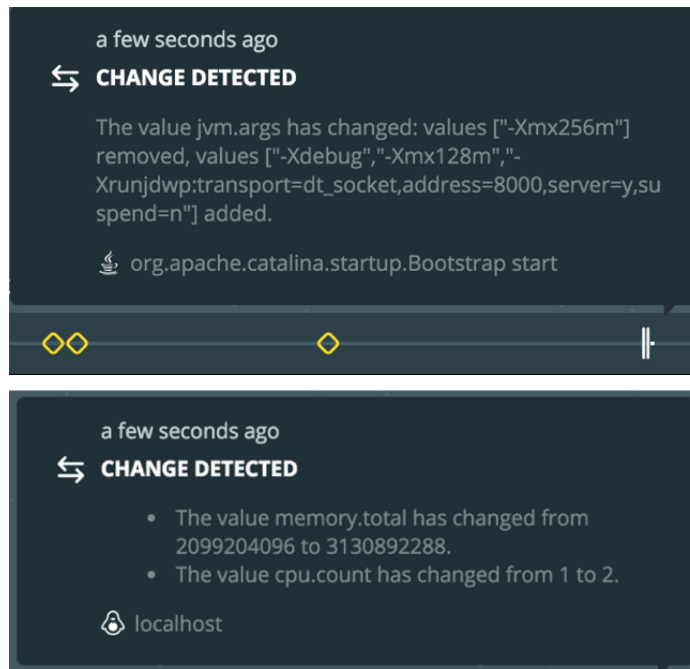
## Instana Release Notes - Build #87

24. March 2016

### Features

- **Universal Change Detection**

Changes are now detected based on the configuration data that our Sensors track. Previously we just tracked the JVM -Xmx Parameter as proof of concept - now we track all configuration parameters that our sensors collect (excluding some irrelevant noise)



- Tag filtering now filters all elements from Map that do not have the selected Tags
- DNS resolution of unmonitored Hosts. Performs a reverse DNS lookup from the agent, so can see internal names. Done on best effort basis, as reverse DNS is unfortunately not guaranteed to work.
- Drill down from metric view into Dashboard is now possible

### Newly supported technologies

- MariaDB
- IBM J9. Previously the IBM J9 JVMs would have been detected by the agent, but attach would fail, causing repeated errors in the log file.

### Improvements

- UI rework  
To write down what happened here will take too much space so please bear with us if we just say that we prepared the UI for what will come in terms of scaling, filtering, stability, performance impact on Browser, flexibility and far more! Please ping us if you want more details.
- Improved disc usage prediction (reducing false positives esp. for recurring patterns)



- Displaying of more Network Connections if you hover over a connection.
- Switched to 24h time in Dashboards
- Improved Scales in Dashboards
- Improved Agent connection stability. Since the W3C officially replaced SPDY with HTTP/2, most proxies work better with HTTP/2. Currently the agent uses SPDY/3 to connect to the SaaS system on port 4444. We added support for HTTP/2 on Port 443 for the Agent and Backend and will start migrating customers on case by case basis. Please let us know if you want to try that. We also added an option to let the proxy server perform the DNS lookup of our SaaS backend.
- Improved agent data compression. This change will lower the network usage of the agent.
- Reduced agent startup time. The agent zip/tar.gz contains a couple of stable third party libraries, which reduces the time the agent needs to startup. To benefit from this, you need to redownload the agent, as this is not automatically upgraded.
- We now got fixed IP addresses for our Backends in US and EU that will not change during releases.

Only in case that you configured the agents to use IP addresses please change them to:

- **EU environments:**  
52.31.120.230 (saas-eu-west-1.instana.io)
- **US environments:**  
54.225.224.26 (saas-us-east-1.instana.io)
- Some may also have configured DNS caching. Please clear your cache if you experience connectivity issues.

## Fixed Issues

- In rare conditions EC2 Details were not shown for Host
- ElasticSearch Issue for Capacity Limit did not dismiss
- Some Scales in Dashboards were cut off
- Leftover sensor configurations could have caused the agent to slow down.
- Kafka 0.9 was misidentified as pre 0.8.1 due to a change in Kafka internals

Please feedback via Slack or Mail to [michael.krumm@instana.com](mailto: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!

