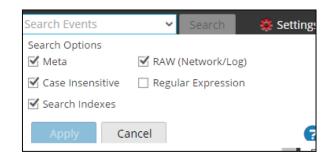
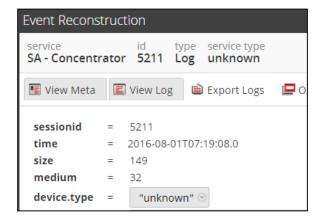


## What is an unknown log message?

- Security Analytics applies all the configured log parsers for incoming logs to:
  - ► Identify the device type
  - Extract the relevant meta data
- ► If no log parser recognizes the message, this will be «unknown»:
  - Cannot be queried in Investigator
  - Can be retrieved in Events with a free-text search







## Raw log search: before and after

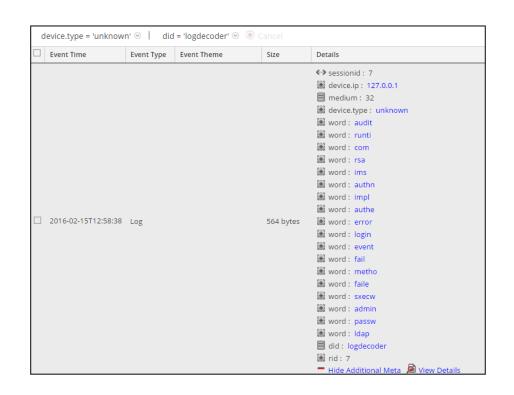
- Security Analytics <10.6:</p>
  - ➤ The log decoder retrieves from the storage every single raw log in the given timeframe
  - ► The content is searched for the provided value (brute-force)
  - If there is a match the raw log is presented
- When executed on a large timeframe may be slow

- Security Analytics 10.6:
  - ► For every unknown log, the decoder tokenizes the content
  - ▶ By default the first 5 letters of every word are extracted and a meta is generated
  - ► Upon a search, the decoder goes through these «word» meta first
  - ► ONLY if there is a match the raw log is retrieved and the full search is executed
- Resulting in much better and optimized performance

## Unknown log messages "tokenized"

 The Log Decoder tokenizes unparsed logs and creates meta data that form a fulltext index

 When searching, this meta will be used first, before brute-forcing all the raw logs

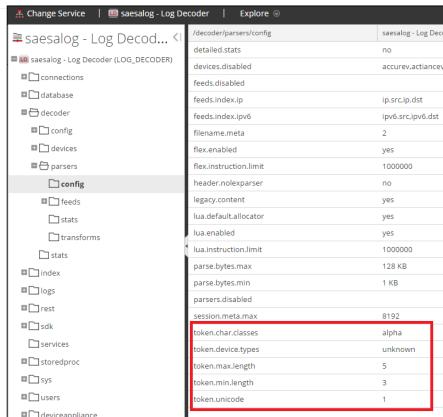




## Customizing the tokenizer

The way tokens are generated can be customized under /parsers/config

 Before applying any change, please consider the impact it could have in terms of storage utilization







EMC<sup>2</sup>