

Works with Any Log Type



- Use logs from AWS services or on-premises applications
- Instantly query any log being sent to CloudWatch
- · No setup required
- Automatic Log Field Discovery
 - Creates system fields for all logs @timestamp, @message, and @logStream
 - · Automatically discovers fields for AWS logs and any JSONbased application log







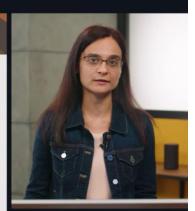




Simple but Powerful Querying



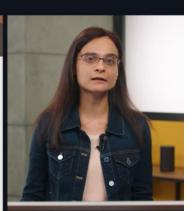
- Write queries with aggregations, filters, and regular expressions
- Visualize query results and time series data



Writing Queries



- Easy-to-learn query language with simple query commands
- In-product help via sample queries, command descriptions, and query autocompletion



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Query Commands



FIELDS: retrieve a list of fields

fields srcAddr, dstAddr bytes, @timestamp

FILTER: retrieve log events that match search criteria

fields srcAddr, bytes |filter srcAddr = "10.0.183.98"

Filter using a regular expression

fields @message | filter like /Exception/

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Query Commands



STATS: calculate aggregate statistics

```
stats sum(bytes) by srcAddr |filter srcAddr = "10.0.183.98"
```

SORT: sort results based on a field in ascending or descending order

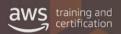
```
stats sum(bytes) as @mbytes by srcAddr | sort by @mbytes desc
```

LIMIT: retrieve a limited number of log events

```
fields srcAddr, bytes |sort by @timestamp desc |limit 25
```

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Query Commands



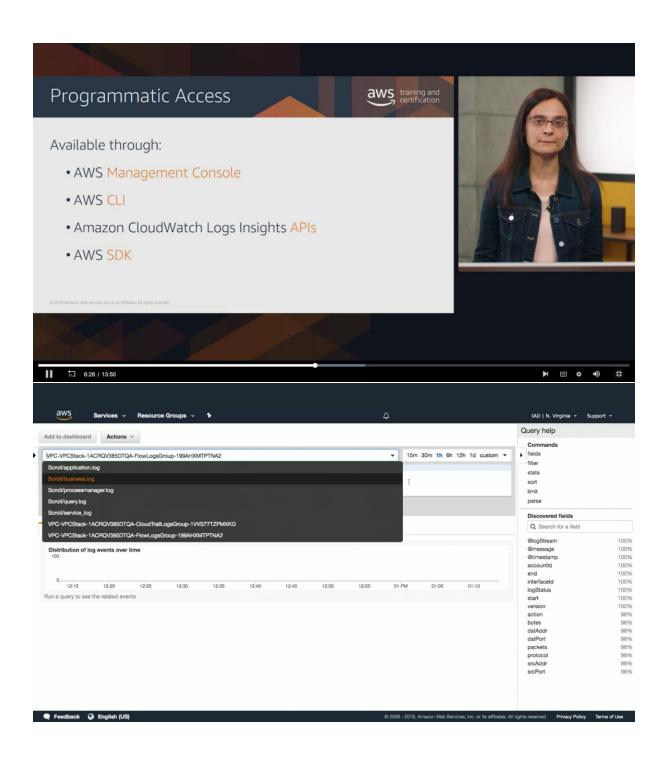
PARSE: Extract data from a log field, creating an ephemeral field

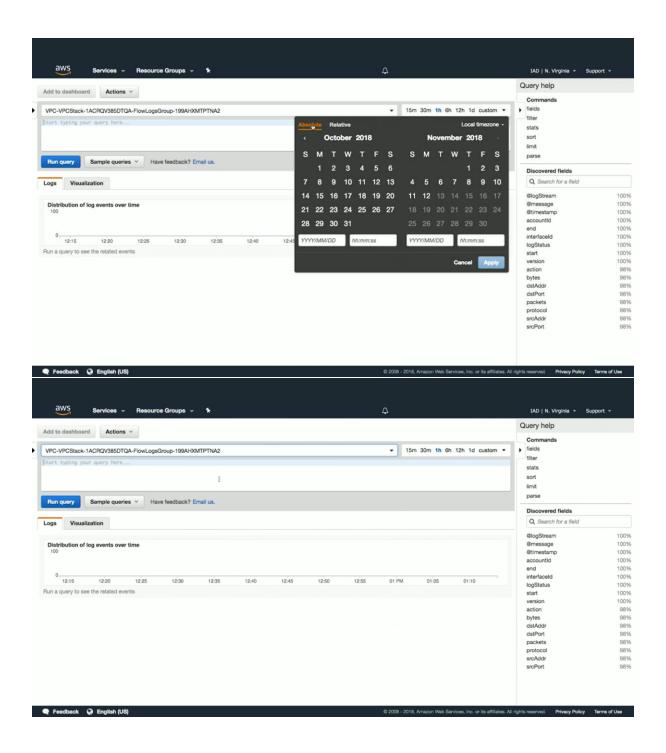
```
Log:
[INFO] 5 requests received ...
[INFO] 5 requests processed ...
[ERROR] java.lang.NullPointerException ...

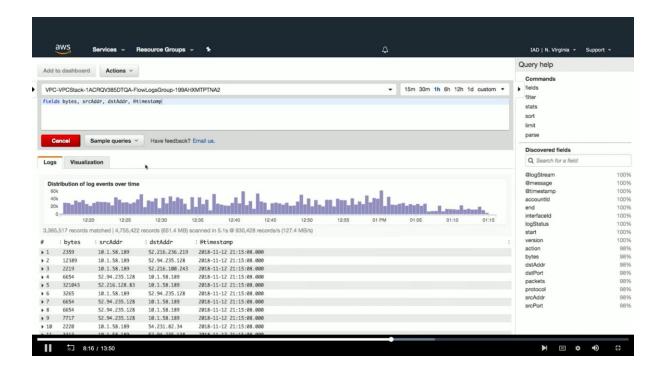
parse @message "[*]" as @severity |stats count(*) by @severity
```

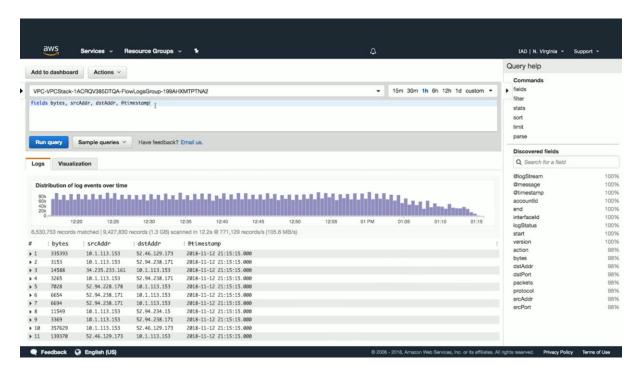
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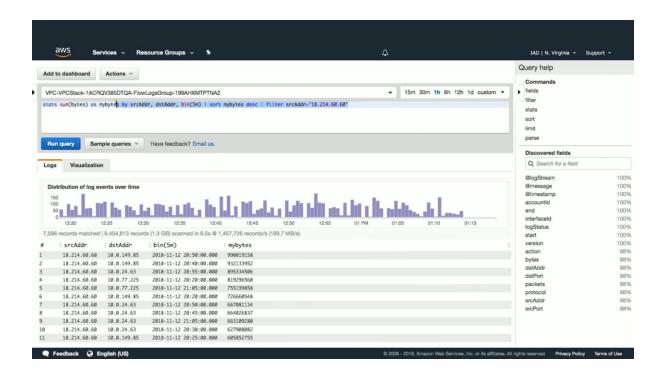
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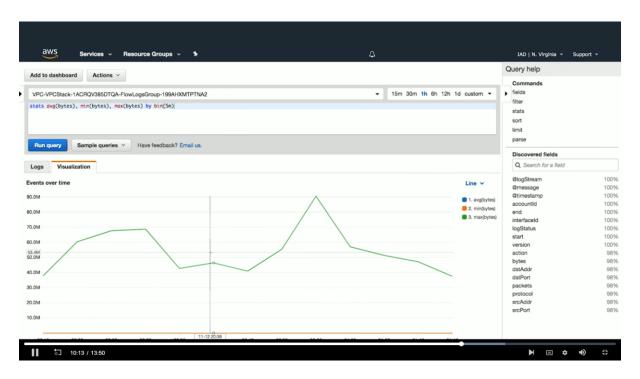


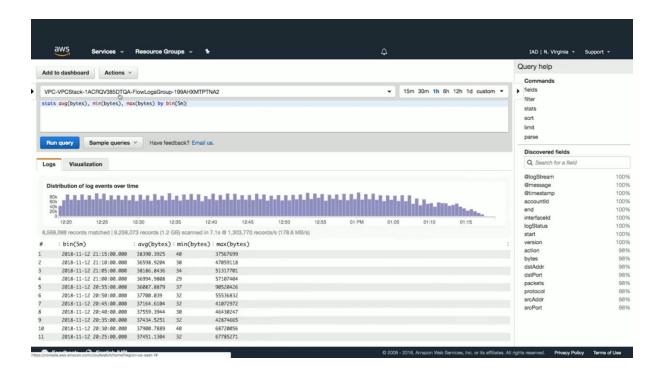


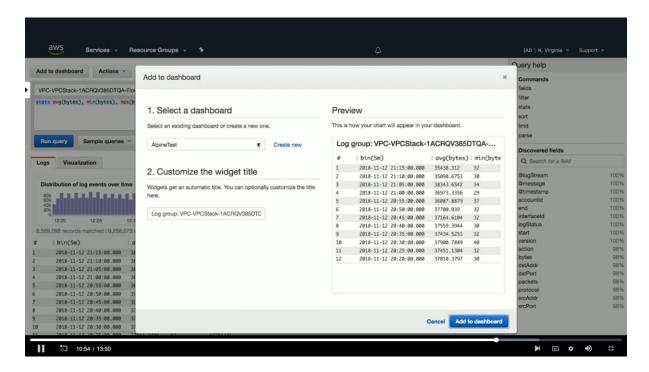


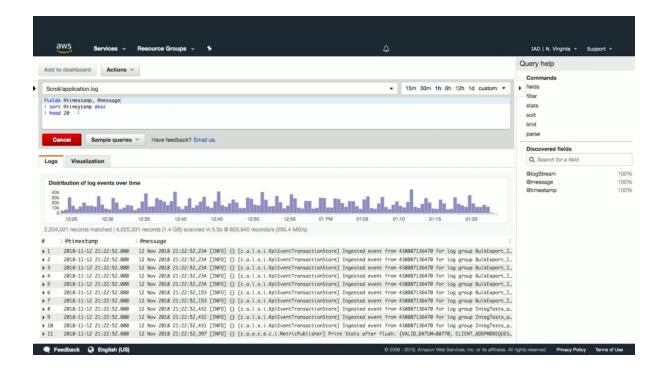












For warning error alert exception

