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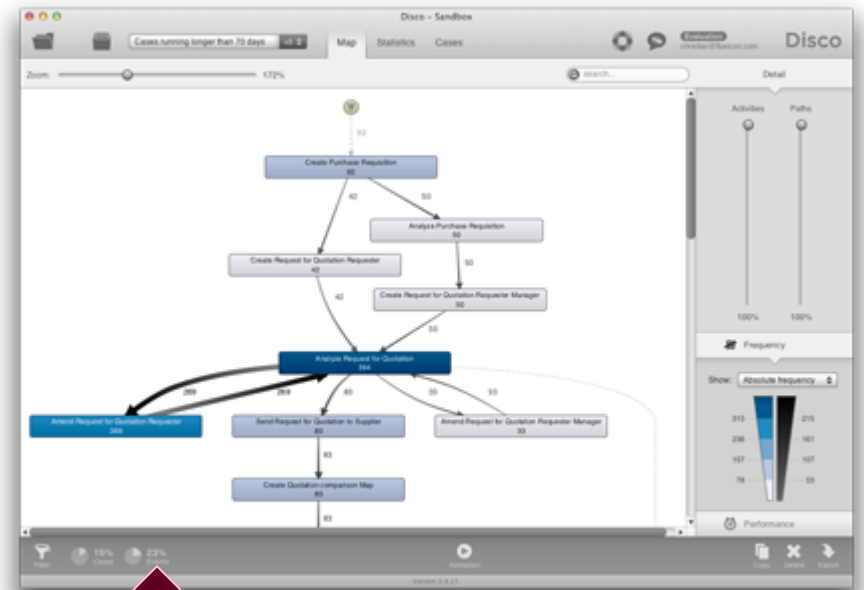
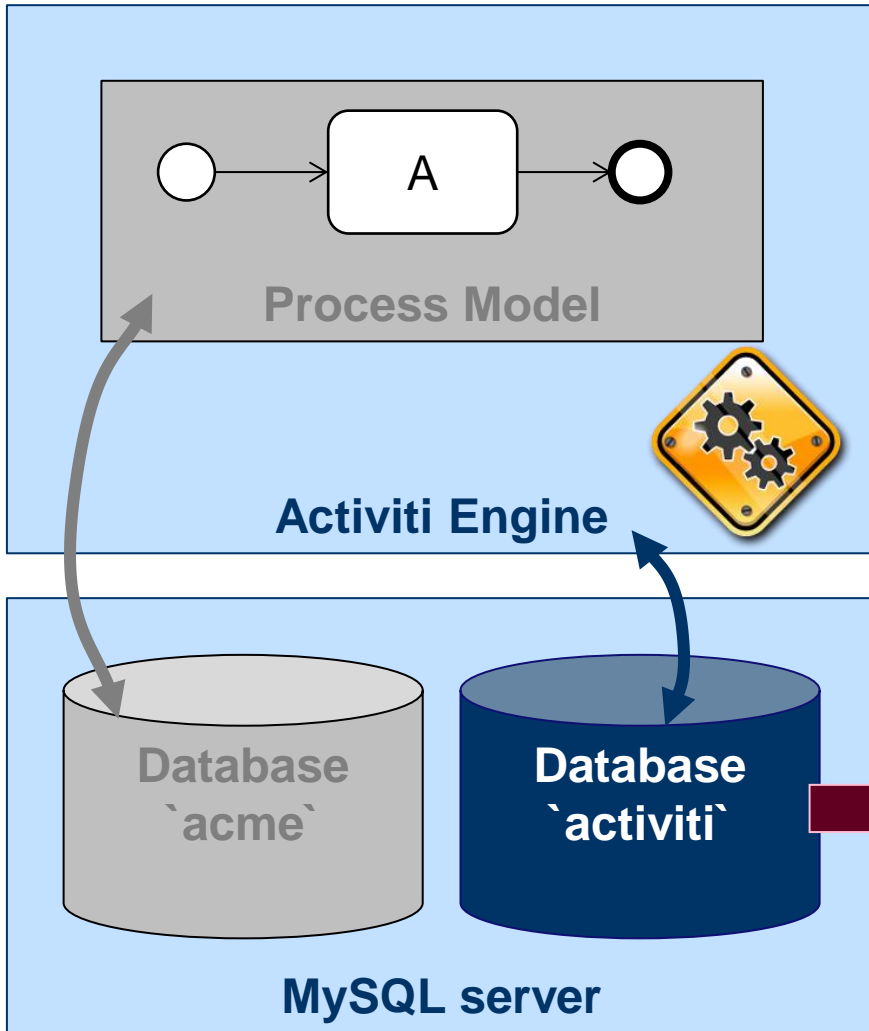
# Tutorial Analyzing Event Logs from Activiti in Fluxicon Disco

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# Goal



Event  
Log  
(.csv)

# Log table in Activiti



- log into the **activiti** database  
`mysql -u root activiti`
- the table ``act_hi_taskinst`` contains events of all tasks that were ever executed in your activiti installation  
`SELECT * FROM `act_hi_taskinst` ;`
  - `PROC_DEF_ID_` = process in which the event occurred
  - `PROC_INST_ID_` = process instance in which the event occurred
  - `NAME_` = the task that was executed
  - `ASSIGNEE_` = user/resource that executed the task
  - `START_TIME_` = time the task was started (shown in the task list)
  - `END_TIME_` = time the task was completed
  - `DESCRIPTION_` = additional information (provided by task definition)

# Extract log table to .csv file

- To extract the entire log (with all columns), into a file **log.csv** in the current directory, run

```
SELECT * into OUTFILE './log.csv'  
FIELDS TERMINATED BY ','  
ENCLOSED BY '"'  
ESCAPED BY '\\'  
LINES TERMINATED BY '\\n'  
FROM `act_hi_taskinst`;
```

- use the **WHERE** clause to just extract events of a particular process
- select only particular columns if needed

# Make .csv file readable for Fluxicon Disco

- open the log.csv in an editor and prepend the following line as a header line

```
ID_,PROC_DEF_ID_,TASK_DEF_KEY_,PROC_INST_ID_,  
EXECUTION_ID_,NAME_,PARENT_TASK_ID_,DESCRIPTION_,  
OWNER_,ASSIGNEE_,START_TIME_,END_TIME_,DURATION_,  
DELETE_REASON_,PRIORITY_,DUE_DATE_
```

- this header is needed to properly import the .csv file as a log file in Disco

# Import the .csv file into Disco

define event attributes

2. select column type

NAME\_  column is used

Activity

ID_	PROC_DEF_ID_	TASK_DEF_KEY_	PROC_INST_ID_	EXECUTION_ID_	NAME_	PARENT_TASK_ID_
1	17734	waitForEntry:1:17724	usertask1	17731	A	N
2	17808	waitForEntry:1:17724	usertask1	17805	A	N
3	17816	waitForEntry:1:17724	usertask2	17805	B	N
4	17908	waitForEntry:1:17724	usertask1	17905	A	N
5	17916	waitForEntry:1:17724	usertask2	17905	B	N
6	17926	waitForEntry:1:17724	usertask1	17923	A	N
7	17934	waitForEntry:1:17724	usertask2	17923	B	N
8	17946	add_quote:2:17725	usertask1	17939	Add Quote	N
9	17983	checkQuotes:3:17971	usertask1	17977	Check Quote	N
10	308	reviewSaledLead:1:23	provideNewSalesLead		Provide new sales lead	N
11	321	reviewSaledLead:1:23	reviewProfitability		Review profitability	N
12	324	reviewSaledLead:1:23	reviewCustomerRating		Review customer rating	N
13	336	reviewSaledLead:1:23	provideNewSalesLead		Provide new sales lead	N
14	348	reviewSaledLead:1:23	reviewProfitability		Review profitability	N
15	351	reviewSaledLead:1:23	reviewCustomerRating		Review customer rating	N
16	406	reviewSaledLead:1:23	provideNewSalesLead	402	Provide new sales lead	N
17	---	---	---	---	---	---

1. select column

Cancel File encoding: UTF-8  Use quotes  Ready to start import. Start

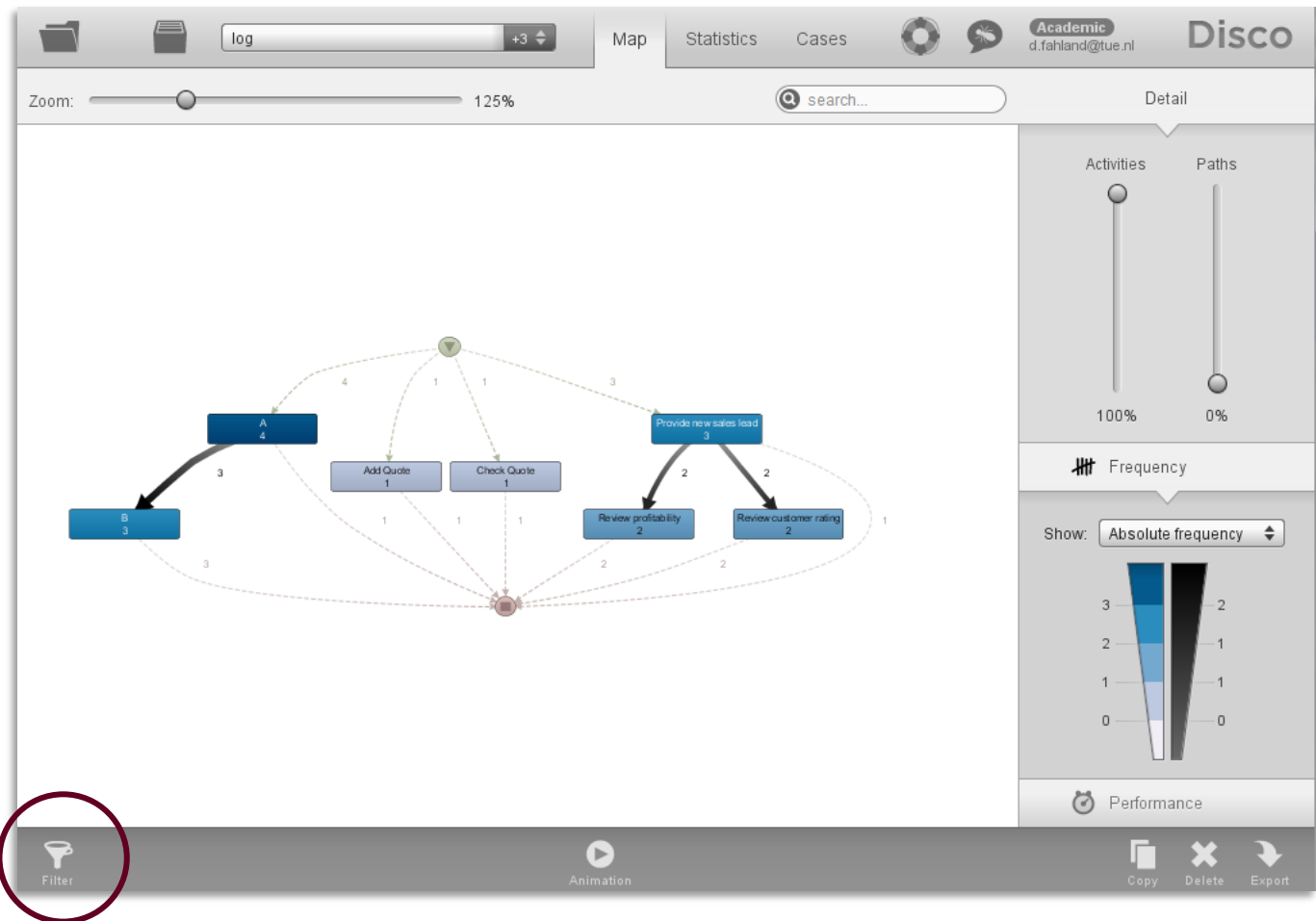
you need

- process instance ID
- **activity** name
- **timestamp**
- resource/user is optional

you can define **other** (additional) attributes

if your log contains events of different processes, add column PROD\_DEF\_ID as **other** attribute

# Start Analyzing



if your log contains events of different processes,  
**filter** on values of attribute PROD\_DEF\_ID



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**Good Luck!**

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