

Dateien live einlesen

Bei Logdateien ist es häufig hilfreich, wenn diese konstant eingelesen und dargestellt werden.

Hierfür bietet sich das Tool *tail* an. Angenommen wir haben eine Logdatei `/var/log/mysql/abfragen.log`. In diese Logdatei werden alle Abfragen eines MySQL-Servers geschrieben. Wenn nun live im Log gelesen werden soll, welche Abfragen gerade ausgeführt werden, so geht dies mit dem folgenden Befehl.

```
tail -f /var/log/mysql/abfragen.log
```

Wird der Befehl ausgeführt, wird die Datei geöffnet und ans Ende gesprungen. Ab dann werden alle neuen Einträge im Terminal angezeigt.

```
2024-03-26T06:31:34.749736Z 41 Query commit
2024-03-26T06:31:34.749954Z 41 Query begin
2024-03-26T06:31:34.750390Z 41 Query commit
2024-03-26T06:31:34.751827Z 25 Query select hostid,key ,evaltype,formula,lifetime from items where itemid=102694
2024-03-26T06:31:34.752511Z 25 Query select item_conditionid,macro,value,operator from item_condition where itemid=102694
2024-03-26T06:31:34.753051Z 25 Query select lld_macro,path from lld_macro_path where itemid=102694
2024-03-26T06:31:34.753650Z 25 Query begin
2024-03-26T06:31:34.753980Z 25 Query select lld_overrideid,step,evaltype,formula,stop from lld_override where itemid=102694 order by lld_overrideid
2024-03-26T06:31:34.754581Z 25 Query commit
2024-03-26T06:31:34.755243Z 25 Query select i.itemid,i.name,i.key ,i.type,i.value_type,i.delay,i.history,i.trends,i.status,i.trapper_hosts,i.units,i.formula,i.logtimefmt,i.valuemapid,i.params,i.ipmi_sensor,i.snmp_oid,i.authtype,i.username,i.password,i.publickey,i.privatekey,i.description,i.interfaceid,i.jmx_endpoint,i.master_itemid,i.timeout,i.url,i.query_fields,i.posts,i.status_codes,i.follow_redirects,i.post_type,i.http_proxy,i.headers,i.retrieve_mode,i.request_method,i.output_format,i.ssl_cert_file,i.ssl_key_file,i.ssl_key_password,i.verify_peer,i.verify_host,i.allow_traps,i.discover from items i,item_discovery id where i.itemid=id.itemid and id.parent_itemid=102694
2024-03-26T06:31:34.756156Z 25 Query select ip.itemid,ip.step,ip.type,ip.params,ip.error_handler,ip.error_handler_params from item_preproc ip,item_discovery id where ip.itemid=id.itemid and id.parent_itemid=102694
2024-03-26T06:31:34.756856Z 25 Query select ip.itemid,ip.name,ip.value from item_parameter ip,item_discovery id where ip.itemid=id.itemid and id.parent_itemid=102694
2024-03-26T06:31:34.757383Z 25 Query select it.itemid,it.tag,it.value from item_tag it,item_discovery id where it.itemid=id.itemid and id.parent_itemid=102694
2024-03-26T06:31:34.758120Z 25 Query select id.itemid,id.key ,id.lastcheck,id.ts_delete,i.name,i.key ,i.type,i.value_type,i.delay,i.history,i.trends,i.trapper_hosts,i.units,i.formula,i.logtimefmt,i.valuemapid,i.params,i.ipmi_sensor,i.snmp_oid,i.authtype,i.username,i.password,i.publickey,i.privatekey,i.description,i.interfaceid,i.jmx_endpoint,i.master_itemid,i.timeout,i.url,i.query_fields,i.posts,i.status_codes,i.follow_redirects,i.post_type,i.http_proxy,i.headers,i.retrieve_mode,i.request_method,i.output_format,i.ssl_cert_file,i.ssl_key_file,i.ssl_key_password,i.verify_peer,i.verify_host,id.parent_itemid,i.allow_traps from item_discovery id join items i on id.itemid=i.itemid where id.parent_itemid in (102695,102696,102697,102698)
2024-03-26T06:31:34.758770Z 25 Query select ip.item_preprocid,ip.itemid,ip.step,ip.type,ip.params,ip.error_handler,ip.error_handler_params from item_preproc ip on id.itemid=ip.itemid where id.parent_itemid in (102695,102696,102697,102698)
2024-03-26T06:31:34.759256Z 25 Query select ip.item_preprocid,ip.itemid,ip.name,ip.value from item_preproc ip on id.itemid=ip.itemid where id.parent_itemid in (102695,102696,102697,102698)
2024-03-26T06:31:34.759677Z 25 Query select it.itemtagid,it.itemid,it.tag,it.value from item_discovery id join item_tag it on id.itemid=it.itemid where id.parent_itemid in (102695,102696,102697,102698)
2024-03-26T06:31:34.759164Z 25 Query begin
2024-03-26T06:31:34.759393Z 25 Query commit
2024-03-26T06:31:34.759488Z 25 Query begin
2024-03-26T06:31:34.759661Z 25 Query update item_discovery set lastcheck=1711434694 where itemid in (103947,103948,103949,103950)
2024-03-26T06:31:34.759129Z 25 Query commit
2024-03-26T06:31:34.759701Z 25 Query select t.triggerid,t.description,t.expression,t.status,t.type,t.priority,t.comments,t.url,t.recovery_expression,t.recovery_mode,t.correlation_mode,t.correlation_tag,t.manual_close,t.opdata,t.discover,t.event_name from triggers t where t.triggerid in (select distinct tg.triggerid from triggers tg,functions f,items i,item_discovery id where tg.triggerid=f.triggerid and f.itemid=i.itemid and i.itemid=id.itemid and id.parent_itemid=102694)
2024-03-26T06:31:34.759370Z 25 Query select distinct g.graphid,g.name,g.width,g.height,g.yaxismin,g.yaxismax,g.show_work_period,g.show_triggers,g.graphtype,g.show_legend,g.show_3d,g.percent_left,g.percent_right,g.ymin_type,g.ymin_itemid,g.ymax_type,g.ymax_itemid,g.discover from graphs g,graphs_items gi,items i,item_discovery id where g.graphid=gi.graphid and gi.itemid=i.itemid and i.itemid=id.itemid and id.parent_itemid=102694
2024-03-26T06:31:34.759516Z 25 Query select h.proxy_hostid,h.ipmi_authtype,h.ipmi_privilege,h.ipmi_username,h.ipmi_password,h.tls_connect,h.tls_accept,h.tls_issuer,h.tls_subject,h.tls_psk_identity,h.tls_psk from hosts h,items i where h.hostid=i.hostid and i.itemid=102694
2024-03-26T06:31:34.759335Z 25 Query select hi.interfaceid,hi.type,hi.main,hi.useip,hi.ip,hi.dns,hi.port,s.version,s.bulk,s.community,s.securityname,s.securitylevel,s.authpassphrase,s.privpassphrase,s.authprotocol,s.privprotocol,s.contextname from interface hi inner join items i on hi.hostid=i.hostid left join interface_snmp s on hi.interfaceid=s.interfaceid where i.itemid=102694
2024-03-26T06:31:34.759300Z 25 Query select hm.macro,hm.value,hm.description,hm.type from hostmacro hm,items i where hm.hostid=i.hostid and i.itemid=102694
2024-03-26T06:31:34.757191Z 25 Query select h.hostid,h.host,h.name,h.status,h.discover,hi.inventory_mode,h.custom_interfaces from hosts h,host_discovery hd left join host_inventory hi on hd.hostid=hi.hostid where h.hostid=hd.hostid and hd.parent_itemid=102694
```

Version #1

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