

Stored Procedure Run Twice

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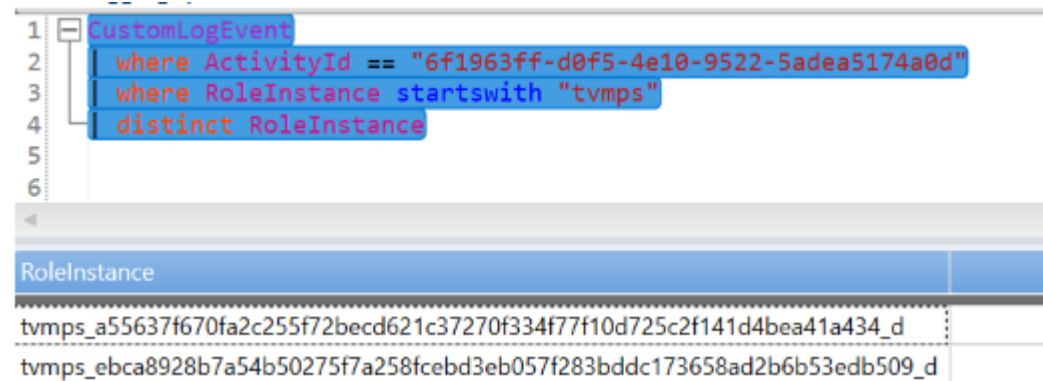
Contents

- [Issue](#)
- [Cause](#)
- [Resolution](#)

Issue

Customer Stored Procedure run twice.

From logging, you can see 2 work node there.



The screenshot shows a SQL query in a text editor and its result set. The query is:

```
1 CustomLogEvent
2 where ActivityId == "6f1963ff-d0f5-4e10-9522-5adea5174a0d"
3 where RoleInstance startswith "tvmps"
4 distinct RoleInstance
5
6
```

The result set shows two distinct RoleInstance values:

RoleInstance
tvmps_a55637f670fa2c255f72becd621c37270f334f77f10d725c2f141d4bea41a434_d
tvmps_ebca8928b7a54b50275f7a258fceb3eb057f283bddc173658ad2b6b53edb509_d

Cause

Usually it caused by batch VM reboot, like OS force upgrade. It caused running job lost heartbeat, then it will back to queue. Finally the job be picked up by another VM and continue run. Because stored procedure need keep the connection active, on sql server side, if lost connection, the above run will be cancelled and trigger a new run again.

Resolution

The best practice here is suggest customer design his stored procedure as idempotent.

Then each run can get same result.

Additional Information:

- **Icm References:**
- **Author:** chargu
- **Reviewer:** vimals
- **Keywords:**

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