Copy task execution time increase abnormally

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Problem Description

One of our copy data activity has a performance decrease since 20/07/20.

Before this date, our average run time was about 30-40 min for 5-6GB : most of the time on the listing source step

Since 20/07/20 it is now about 60-70min without data size changes. One of the worst was Activity run id: 719970c4-xxxx-xxxx-xxxx-xxxxxxxx. It took 63min to copy 139MB.

Cause

Constantly increased number of folders

Recommendations

We have reviewed once again our backend logs and nothing nonstandard was found on ADF side. We can see that the source folder contains more than 500K sub folders now, there were around 400+K few weeks ago. Based on this, it took a long time for ADF to scan all those sub folders and copy the files.

Please try to partition the copy activity to 16 parts, and make them run in parallel. This way the performance will increase.

Reference

https://servicedesk.microsoft.com/#/customer/cases?caseNumber=120072125000215