

CN_TrendServer_ 趋势数据无法记录问题解决

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Table of Contents

问题表现

3

解决方法

3

. 问题表现

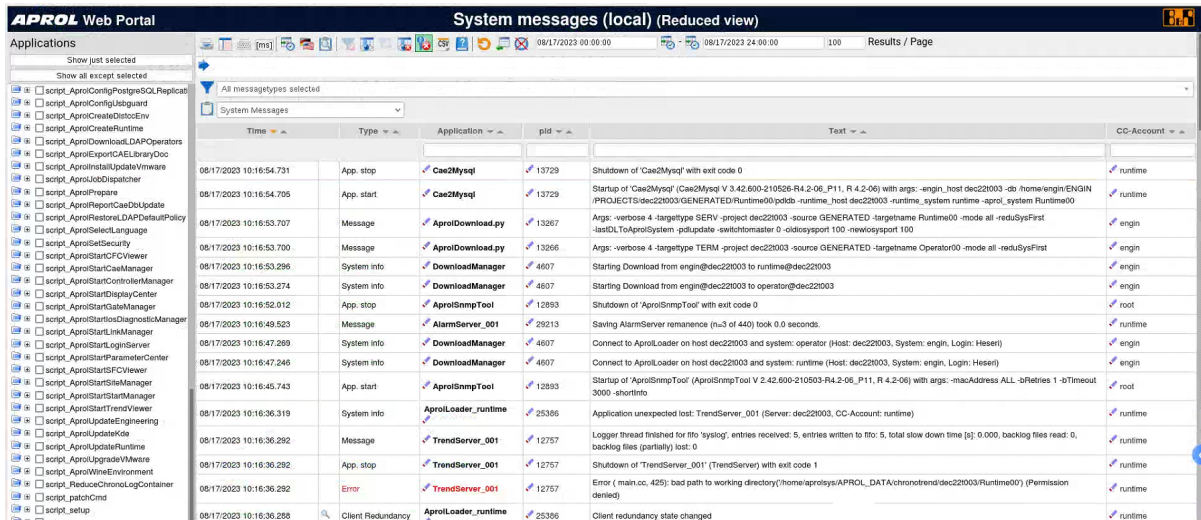
问题

新安装的 **APROL** 系统，新创建的项目，项目下载后打开 **TrendViewer** 查看趋势曲线没有任何显示。
StartManager 打开查看到 **TrendServer** 的状态位 **lost**，手动去重启 **TrendServer** 还是 **lost** 的。

. 解决方法

方法

从上面的问题表现，暂时还无法确认 **TrendServer** 无法运行的根本原因。进一步去查看 **System message**，查看后有如下图：



Time	Type	Application	pid	Text	CC-Account
08/17/2023 10:16:54.731	App. stop	Cae2Mysql	13729	Shutdown of 'Cae2Mysql' with exit code 0	runtime
08/17/2023 10:16:54.705	App. start	Cae2Mysql	13729	Startup of 'Cae2Mysql' (Cae2Mysql V 3.42.600-210503-R4.2-06_P11, R 4.2-06) with args: -engin_host dec22003 -db /home/engin/ENGIN_PROJECT/0-dec22003/GENERATED/Runtime00/pddb -runtime_host dec22003 -runtime_system runtime -aprol_system Runtime00	runtime
08/17/2023 10:16:53.707	Message	AprolDownload.py	13267	Args: -verbose 4 -targettype SERV -project dec22003 -source GENERATED -targetname Runtime00 -mode all -reduSysFirst -useDLTokenSysSystem -update -switchtomaster 0 -cidaysport 100 -newsysport 100	engin
08/17/2023 10:16:53.700	Message	AprolDownload.py	13266	Args: -verbose 4 -targettype TERM -project dec22003 -source GENERATED -targetname Operator00 -mode all -reduSysFirst	engin
08/17/2023 10:16:53.296	System info	DownloadManager	4607	Starting Download from engin@dec22003 to runtime@dec22003	engin
08/17/2023 10:16:53.274	System info	DownloadManager	4607	Starting Download from engin@dec22003 to operator@dec22003	engin
08/17/2023 10:16:52.012	App. stop	AprolSmpTool	12893	Shutdown of 'AprolSmpTool' with exit code 0	root
08/17/2023 10:16:49.523	Message	AlarmServer_001	29213	Saving AlarmServer remanence (n=3 of 440) took 0.0 seconds.	runtime
08/17/2023 10:16:47.269	System info	DownloadManager	4607	Connect to AprolLoader on host dec22003 and system: operator (Host: dec22003, System: engin, Login: Hesser)	engin
08/17/2023 10:16:47.246	System info	DownloadManager	4607	Connect to AprolLoader on host dec22003 and system: runtime (Host: dec22003, System: engin, Login: Hesser)	engin
08/17/2023 10:16:45.743	App. start	AprolSmpTool	12893	Startup of 'AprolSmpTool' (AprolSmpTool V 2.42.600-210503-R4.2-06_P11, R 4.2-06) with args: -macAddress ALL -sRetries 1 -sTimeout 3000 -shorttime	root
08/17/2023 10:16:36.319	System info	AprolLoader_runtime	25386	Application unexpected lost: TrendServer_001 (Server: dec22003, CC-Account: runtime)	runtime
08/17/2023 10:16:36.292	Message	TrendServer_001	12757	Logger thread finished for file 'syslog': entries received: 5, entries written to file: 5, total slow down time [s]: 0.000, backing files read: 0, backing files (partially) lost: 0	runtime
08/17/2023 10:16:36.292	App. stop	TrendServer_001	12757	Shutdown of 'TrendServer_001' (TrendServer) with exit code 1	runtime
08/17/2023 10:16:36.292	Error	TrendServer_001	12757	Error (main.cc, 425): bad path to working directory('home/aprolsys/APROL_DATA/chronotrend/dec22003/Runtime00') (Permission denied)	runtime
08/17/2023 10:16:36.258	Client Redundancy	AprolLoader_runtime	25386	Client redundancy state changed	runtime

从上图的底板有红色字体显示的错误信息，可以看到描述里面有需要关注的 **Permission denied** 的信息内容，右边的 **CC-Account** 为 **runtime**。这就指明提示的趋势文件所在目录 **TRD** 的权限存在问题。进一步查看到 **TRD** 文件夹里面没有任何的趋势文件，进一步得出是因为文件权限问题导致文件无法写入。

通过 **chown** 命令将 **TRD** 的文件夹的 **owner** 和 **user group** 由现在的 **aprolsys** 和 **aprol** 修改为 **runtime** 和 **aprol**，然后再打开 **DownloadManager** 把项目重新下载了一遍，此时再查看 **StartManager** 能看到 **TrendServer** 的状态为 **running**；再去检查 **TRD** 文件夹里面发现已经生成了很多趋势文件了，最后打开 **TrendViewer** 选择相应的几个数据点可以显示相应的曲线了，打开 **“online”** 可以在线显示当前的趋势数据，表明问题已经得到解决。

补充：这种情况大部分出现在新安装的系统上，可能在系统安装时对这个 **TRD** 的 **owner** 和 **user group** 错误的分配导致的。