

某局点dbman备份缺少文件问题排查分析

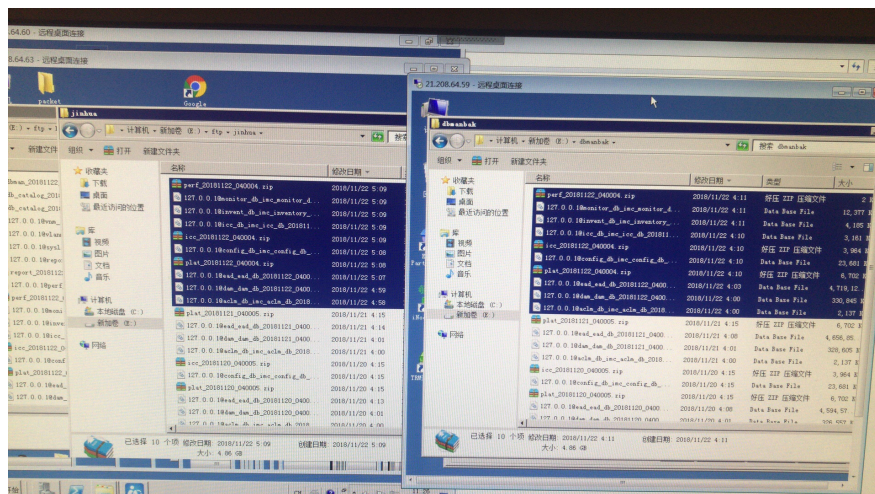
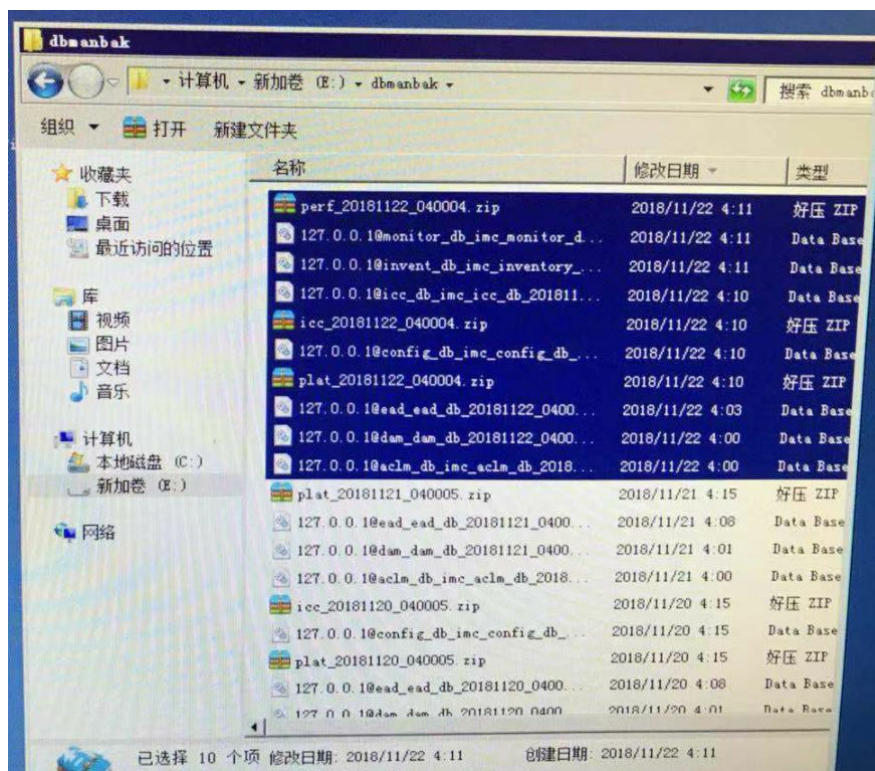
PLAT paner 2018-11-22 发表

组网及说明

无

问题描述

某局点总行下属有10个分行，10套IMC每天凌晨04:00定时dbman备份数据到本地并传送到同一备机，但其中某两台dbman备份失败缺少部分文件



过程分析

通过查看dbman_debug.log日志，发现如下报错：

2018-11-22 04:11:08 [ERROR] [locateDb] Can not find strKey: 127.0.0.1@perf_db_imc_perf

2018-11-22 04:11:08 [ERROR] [CdbBackup::BackupAllDataBase] Fail to found DB file config information 127.0.0.1@perf_db_imc_perf

2018-11-22 04:11:10 [INFO] [runCommand] runCommand result OK. ret=0, WIFEXITED(ret)=1, WEXITSTATUS(ret)=0

2018-11-22 04:11:10 [DEBUG] [CdbBackup::BackupOneLocalZipFile] Exec shell log:

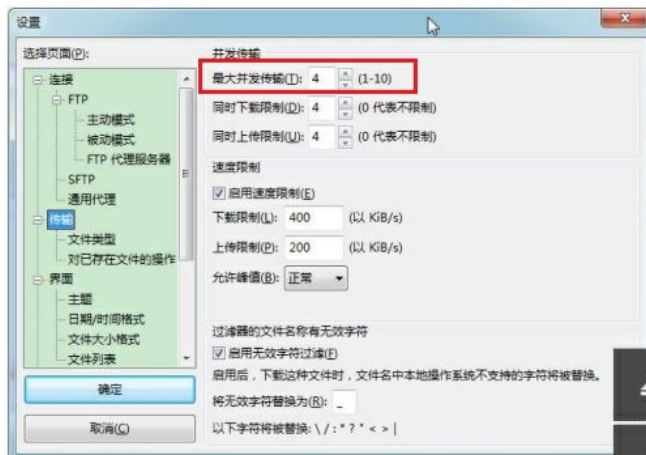
2018-11-22 04:11:13 [INFO] [FuncName] [CRcvFtpClient2::createCtrlConn] Sending content: USER

2018-11-22 04:11:13 [INFO] [FuncName] [CRcvFtpClient3::createCtrlConn] Received response message: 331 Password required for jinhua

2018-11-22 04:11:13 [INFO] [FuncName] [CRcvFtpClient2::createCtrlConn] Sending content: PASS
2018-11-22 04:11:13 [INFO] [FuncName] [CRcvFtpClient3::createCtrlConn] Received response message: 230 Logged on
2018-11-22 04:11:16 [ERROR] [FuncName] [CFtpClientTask::sendFileContent] nRet <= 0
2018-11-22 04:11:16 [ERROR] [int FtpPut()] Fail to ftp transfer
file:E:\dbmanbak\perf_20181122_040004.zip. to ftp server:21.208.64.63
2018-11-22 04:11:16 [INFO] [CDbBackup::BackupOneLocalZipFile] ftp trans failed
2018-11-22 04:11:16 [INFO] [sendTrapAlert] Send trap success
2018-11-22 04:11:16 [WARNING] [CDbBackup::BackupAllDataBase] Execute
BeforeBackupSQLScript failed.
2018-11-22 04:11:16 [ERROR] [TimeBackup] Auto backup all db failed

其中 nRet <= 0 和 Fail to ftp transfer file, 问题原因为ftp传输出现问题, 查看nRet <= 0报错原因可能为网络断开或者抖动不稳定。

现场FTP服务器是开源的, 查看ftp服务器配置, 最大并发传输极限为10, 一般并发性能有限, 不建议同一时间大量向其传输文件。现场10台iMC同一时间集中快速传输数据, FTP在应用层处理不过来, 发生中断。



解决方法

进行分时备份, 即将10台iMC dbman自动备份的时间错开, 比如其中4台2:00; 3台3:00; 3台4:00分开进行dbman本地备份并传至备机。