某局点 VAC 无法保存配置问题处理经验案例

设备管理 樊昊 2017-03-21 发表

某局点使用我司VAC方案，服务器使用软件版本为Windows server2012R2 standard build 9600，开局时发现设备保存配置时无法成功保存；

[NanXiang_ZhiDi-WLAN vAC1000]save
The current configuration will be written to the device. Are you sure? [Y/N]:y
Please input the file name(*.cfg)[flash:/startup.cfg]
(To leave the existing filename unchanged, press the enter key):
flash:/startup.cfg exists, overwrite? [Y/N]:y
Validating file. Please wait...
Failed to save the current configuration.

指导现场尝试导入文件到AC中，依然提示如下错误
<AC >tftp 10.255.255.252 get test.txt
%total %received % xfred AerageDload SpeedUpload timetotal TimeSpent timeleft CurrentSpeed
0 0 0 0 0 0 0 0 0 --:--:-- --:--:-- --:--:--
Failed to create the file: Read-only file system
0 4636 0 0 0 0 0 0 0 --:--:-- --:--:-- --:--:--
Failed to weite received data to disk/application
怀疑为文件系统异常；
建议现场搜集触发异常后的debug信息
<NanXiang_ZhiDi-WLAN vAC1000>mkdir test
Execution failure.
<NanXiang_ZhiDi-WLAN vAC1000>sys
System View: return to User View with Ctrl+Z.
[NanXiang_ZhiDi-WLAN vAC1000]probe
[NanXiang_ZhiDi-WLAN vAC1000-probe]view /proc/secondary_log_buf
发现
<7>[9473168.821226] 0:FAT: Filesystem panic (dev sda3)
<7>[9473168.821226] 0: fat_get_cluster: invalid cluster chain (i_pos 4044099) ----------簇链非法
<7>[9473168.821226] 0: File system has been set read-only ----------设为只读
<7>[9473168.821226] 0:FAT: Filesystem panic (dev sda3)
<7>[9473168.821226] 0: clusters badly computed (175 != 178)
<7>[9473168.821226] 0:FAT: Filesystem panic (dev sda3)
<7>[9473168.821226] 0: fat_bmap_cluster: request beyond EOF (i_pos 4044099)
<7>[9473168.821226] 0:FAT: Filesystem panic (dev sda3)
<7>[9473168.821226] 0: clusters badly computed (176 != 179)
<7>[9473168.821226] 0:FAT: Filesystem panic (dev sda3)
<7>[9473168.821226] 0: fat_bmap_cluster: request beyond EOF (i_pos 4044099)
可能是文件操作过程中有异常断电重启。
vfat文件系统的簇链坏了，触发了vfat文件系统的保护机制，将文件系统设为了只读。因而所有文件操作都不能正常进行了；可以通过fixdisk进行修复。

<AC>fixdisk cfa0:

<AC>fixdisk cfa0:
修复文件系统后恢复正常

AC使用过程中尽量保证不要出现异常掉电重启这种情况，有可能会伤害设备，触发保护机制，导致异常；