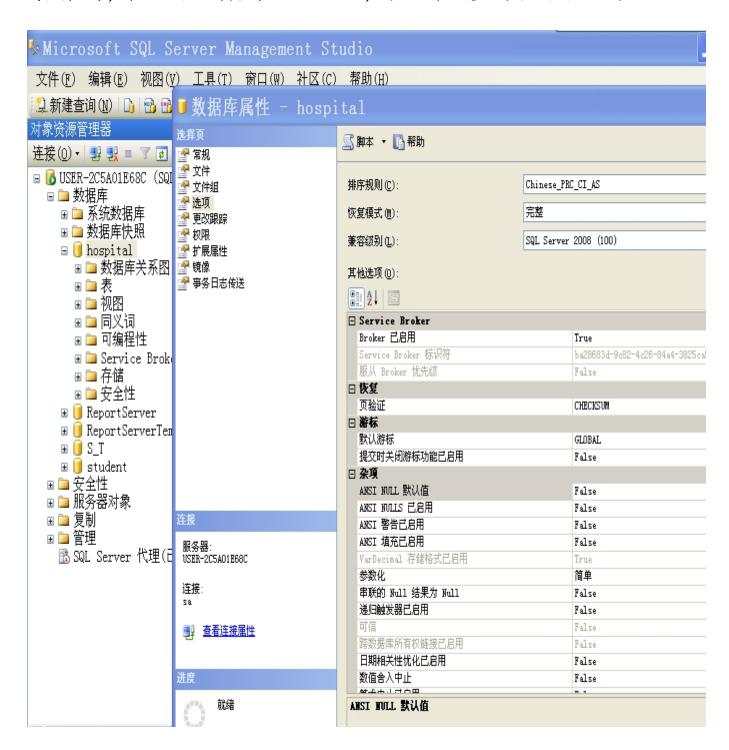
数据库备份与恢复操作界面及示例

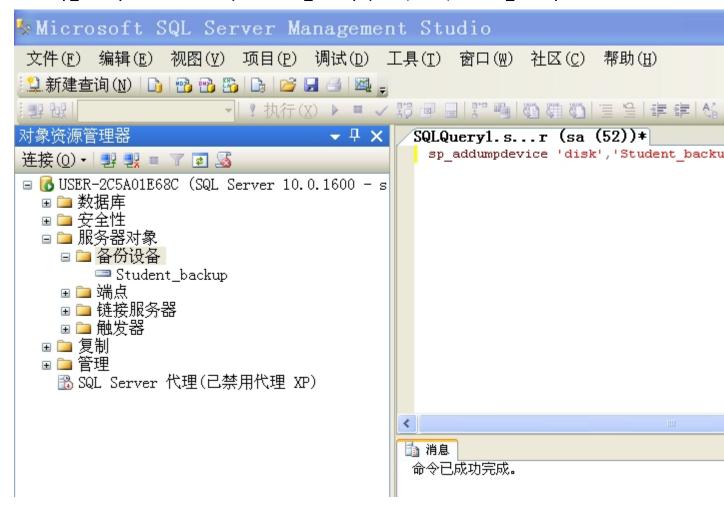
一、 设置恢复模式

在要设置恢复模式的数据库名上右击鼠标,在弹出的菜单中选择"属性"命令,在弹出的属性窗口中,单击左边"选择页"中的"选项"选项,将数据库恢复模式设置为完全模式。



二、 创建备份设备

EXEC sp_addumpdevice 'disk', 'Student_backup', 'd:\data\student_backup. bak'

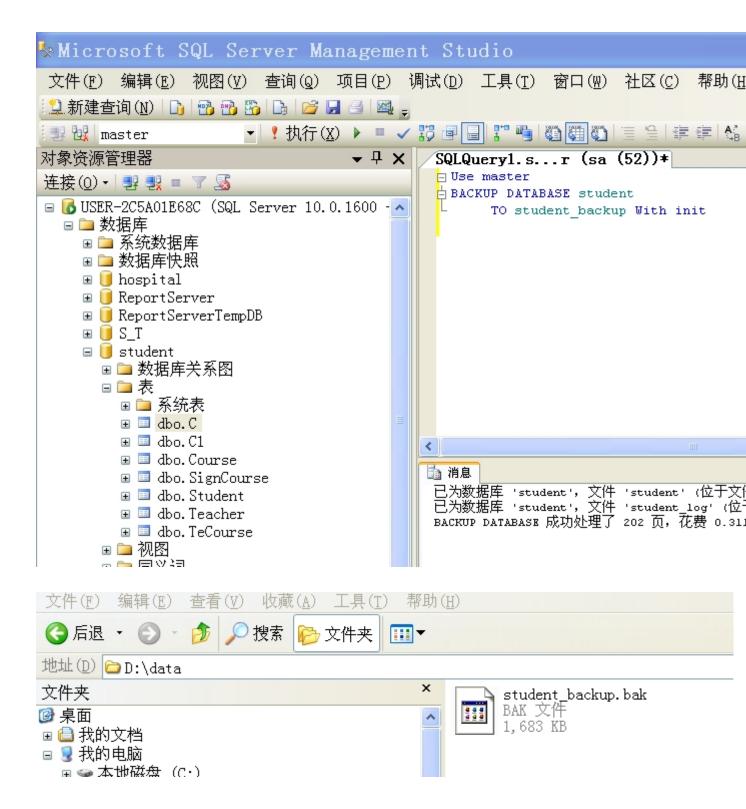


三、 数据库备份操作

1) 完整备份与恢复(状态 A,, 完全备份点)

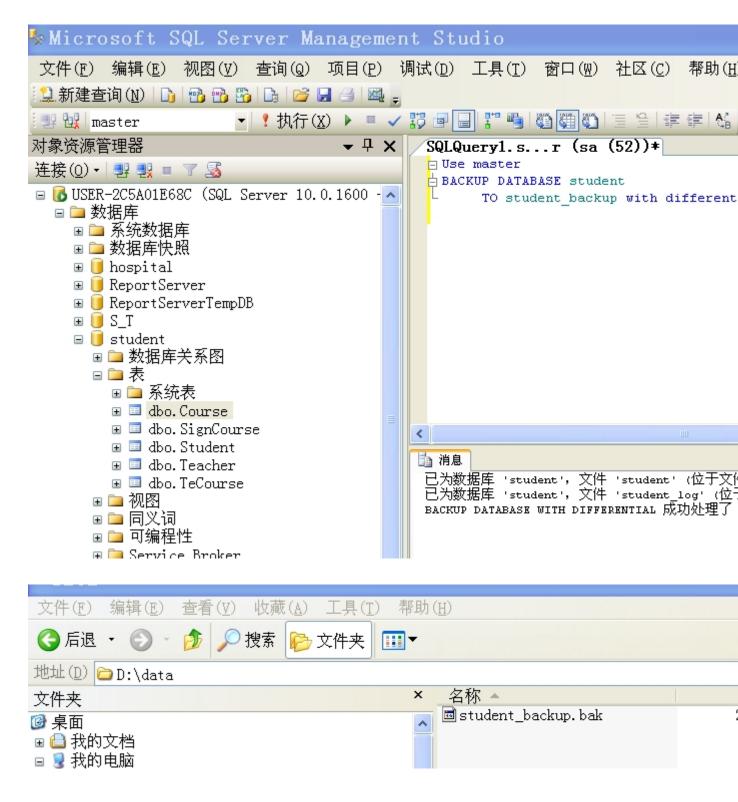
为 student 数据库创建一个完全数据库备份,将备份保存到 tudent_backup 备份设备上。 Use master

BACKUP DATABASE student TO student_backup With init

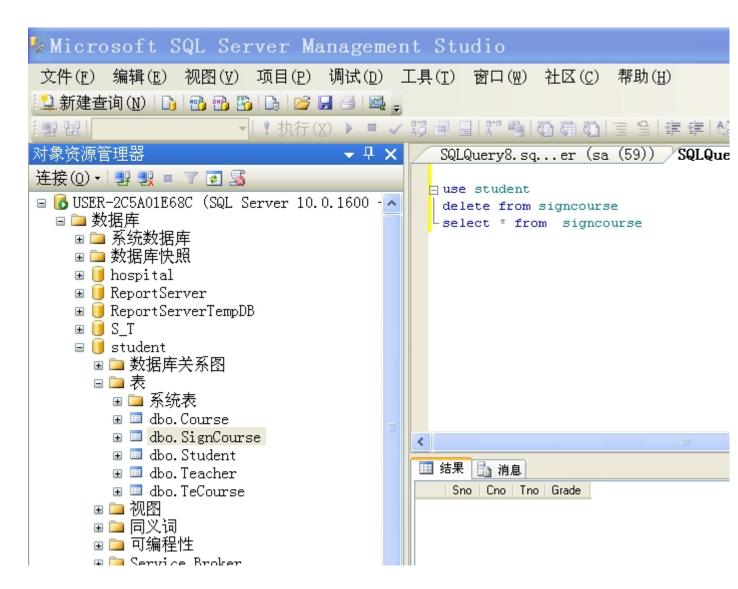


- 2) 差异备份(状态 B, 差异备份点)
- 1. 删除 student 数据库下的 C 与 C1 两张表
- 2. 为 student 数据库创建一个差异数据库备份,将备份保存到 tudent_backup 备份设备上。
 Use master

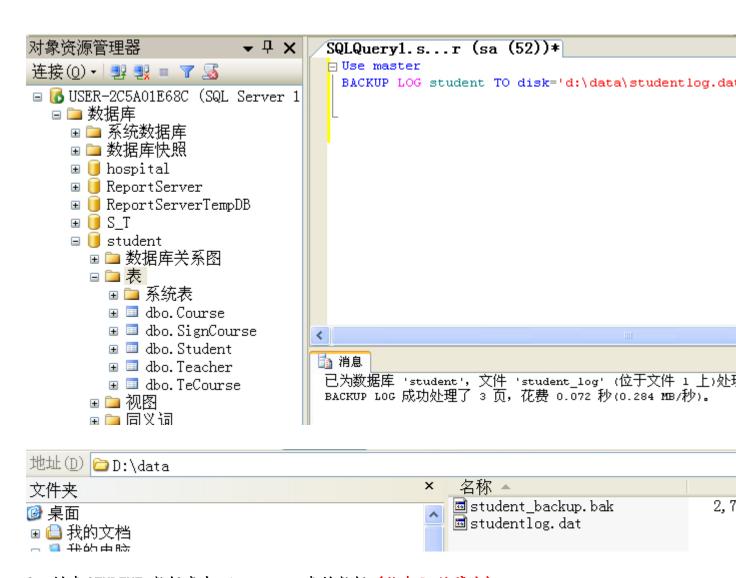
BACKUP DATABASE student TO student_backup with differential



- 3) 日志备份(状态C, D日志备份点)
- 1. 删除 STUDENT 数据库中 signcourse 表的所有记录数据 use student delete from signcourse select * from signcourse



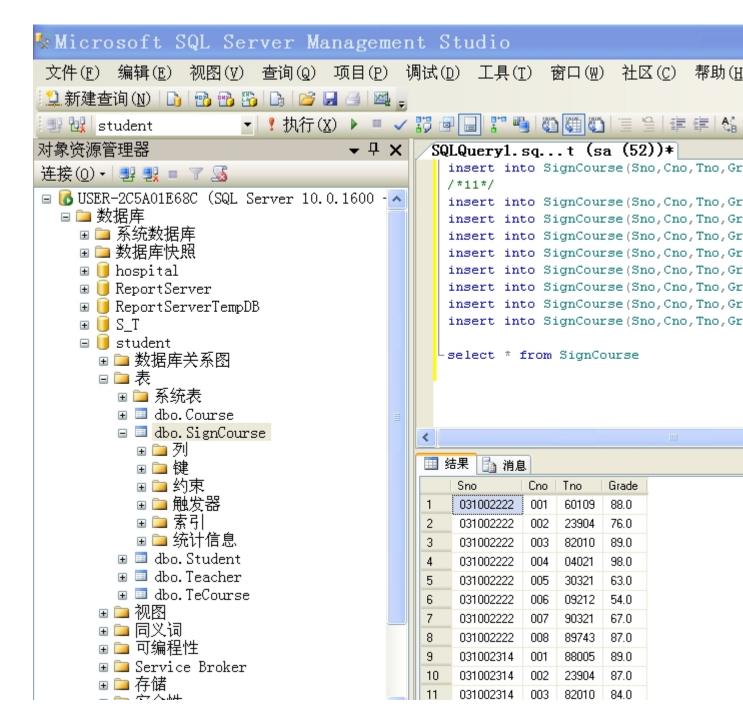
2. 使用 BACKUP LOG 命令进行事务日志备份(状态 C, 日志备份点)
Use master
BACKUP LOG student TO disk='d:\data\studentlog.dat' WITH INIT



3. 创建 STUDENT 数据库中 signcourse 表的数据(状态 D,故障点)

Use student

```
insert into SignCourse (Sno, Cno, Tno, Grade) values ('031002222', '001', '60109', 88) insert into SignCourse (Sno, Cno, Tno, Grade) values ('031002222', '002', '23904', 76) insert into SignCourse (Sno, Cno, Tno, Grade) values ('031002222', '003', '82010', 89) insert into SignCourse (Sno, Cno, Tno, Grade) values ('031002222', '004', '04021', 98) insert into SignCourse (Sno, Cno, Tno, Grade) values ('031002222', '005', '30321', 63) insert into SignCourse (Sno, Cno, Tno, Grade) values ('031002222', '006', '09212', 54) insert into SignCourse (Sno, Cno, Tno, Grade) values ('031002222', '007', '90321', 67) insert into SignCourse (Sno, Cno, Tno, Grade) values ('031002222', '008', '89743', 87) insert into SignCourse (Sno, Cno, Tno, Grade) values ('031002314', '001', '88005', 89) insert into SignCourse (Sno, Cno, Tno, Grade) values ('031002314', '002', '23904', 87) insert into SignCourse (Sno, Cno, Tno, Grade) values ('031002314', '002', '23904', 87) insert into SignCourse (Sno, Cno, Tno, Grade) values ('031002314', '003', '82010', 84) select * from SignCourse
```



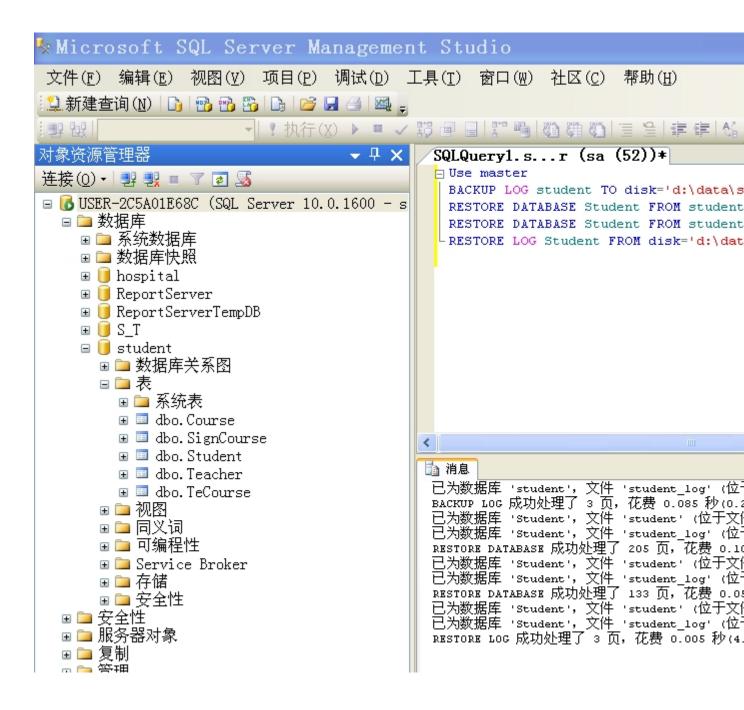
4. 备份并恢复到日志备份点 (状态 C)

先退出管理界面,再次登入平台,之后执行以下恢复操作。(有时需要这样)

首先 BACKUP LOG 命令进行事务日志备份,并截断日志,之后备份完全备份,差异备份与日志备份。

Use master

BACKUP LOG student TO disk='d:\data\studentlog3.dat'WITH INIT, NORECOVERY RESTORE DATABASE Student FROM student_backup WITH FILE=1, NORECOVERY RESTORE DATABASE Student FROM student_backup WITH FILE=2, NORECOVERY RESTORE LOG Student FROM disk='d:\data\studentlog.dat'



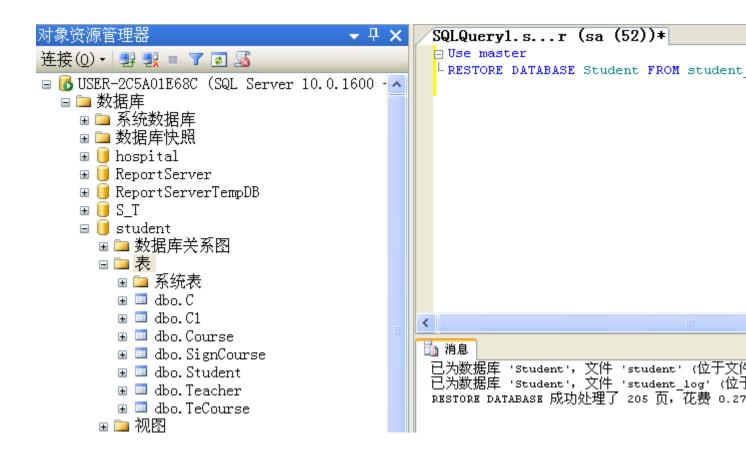
四、 数据库恢复操作

1)恢复到完全备份点(状态 A)

先退出管理界面,再次登入平台,之后执行以下恢复操作。(有时需要这样)

Use master

RESTORE DATABASE Student FROM student backup WITH FILE=1, REPLACE

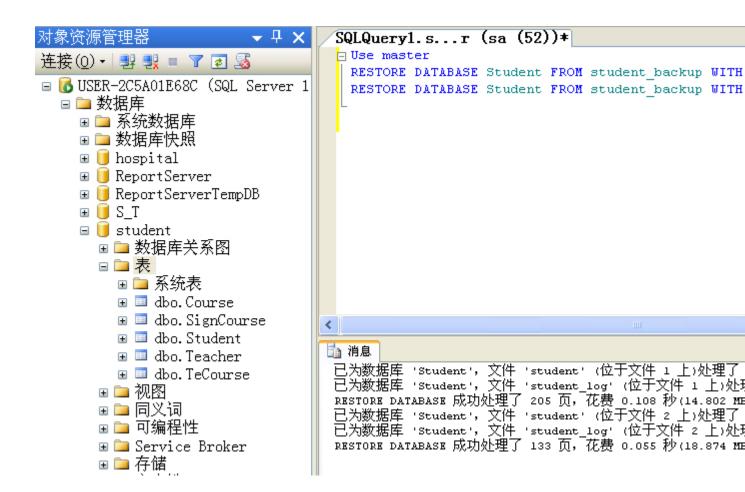


2)恢复到差异备份点(状态B)

先退出管理界面,再次登入平台,之后执行以下恢复操作。(有时需要这样)

Use master

RESTORE DATABASE Student FROM student_backup WITH FILE=1, REPLACE, NORECOVERY
RESTORE DATABASE Student FROM student_backup WITH FILE=2



3)恢复到故障点(状态D)

先退出管理界面,再次登入平台,之后执行以下恢复操作。(有时需要这样)

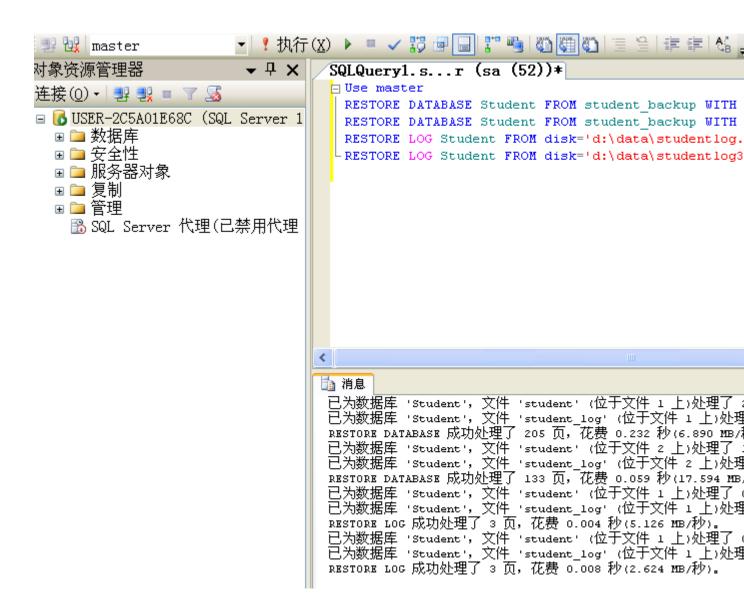
Use master

RESTORE DATABASE Student FROM student_backup WITH FILE=1, REPLACE, NORECOVERY

RESTORE DATABASE Student FROM student backup WITH FILE=2, NORECOVERY

RESTORE LOG Student FROM disk='d:\data\studentlog.dat' WITH NORECOVERY

RESTORE LOG Student FROM disk='d:\data\studentlog3.dat'



五、 删除备份设备

sp_dropdevice 'Student_backup'