

DataMigration

--Step1:CreatetheEmployeeMigrationTable

```
CREATE TABLE EmployeeMigration (  
EmployeeID INT PRIMARY KEY NOT NULL,  
NationalIDNumberNVARCHAR(40)NOTNULLUNIQUE, JobTitle  
NVARCHAR(200),  
DepartmentNVARCHAR(50), Shift  
NVARCHAR(20),  
HireDate DATETIME,  
ModifiedDateDATETIME  
);
```

--Step2:CreateaNon-ClusteredIndexonJobTitle

```
CREATENONCLUSTEREDINDEXIX_EmployeeMigration_JobTitle  
ON EmployeeMigration (JobTitle);
```

--Step3:MigrateDataUsingaTransaction BEGIN
TRANSACTION;

BEGIN TRY

```
INSERTINTOEmployeeMigration(EmployeeID,NationalIDNumber,JobTitle, Department,  
Shift, HireDate, ModifiedDate)
```

SELECT

e.BusinessEntityIDASEmployeeID,

e.NationalIDNumber,

e.JobTitle,

d.NameASDepartment,

s.Name AS Shift, e.HireDate,

e.ModifiedDate

FROMHumanResources.Employeee

JOINHumanResources.EmployeeDepartmentHistoryedhONe.BusinessEntityID=

edh.BusinessEntityID

JOINHumanResources.DepartmentdONedh.DepartmentID=d.DepartmentID JOIN

HumanResources.Shift s ON edh.ShiftID = s.ShiftID

WHEREYEAR(e.HireDate)>=2008

ANDe.BusinessEntityIDNOTIN(224,234,250)

ANDedh.EndDateISNULL;--Ensuringonlycurrentdepartmentrecordsarefetched

COMMITTRANSACTION;

PRINT'Datamigrationsuccessful!'; END

TRY

BEGINCATCH

ROLLBACKTRANSACTION;

PRINT'Erroroccurred.Transactionrolledback!';

END CATCH;