# 城市预报升级default页面数据提取步骤

1. 备份原应用程序：城市预报原有WEB应用
2. 将新的应用拷贝：城市预报提交WEB应用
3. 增加存储过程getSX，sp\_getDataX，sp\_getData

1.%%%%%%%%%%%%%%%%sp\_getData%%%%%%%%%%%%%%%%%%%%%%%%

USE [AllCityData]

GO

/\*\*\*\*\*\* 对象: StoredProcedure [dbo].[sp\_getData] 脚本日期: 12/05/2013 10:25:17 \*\*\*\*\*\*/

SET ANSI\_NULLS ON

GO

SET QUOTED\_IDENTIFIER ON

GO

ALTER PROCEDURE [dbo].[sp\_getData]

(

@cpid INT, -- 栏目编号

@dtid INT, -- 数据类型

@ttid INT, -- 时间类型

@rptime DATETIME, -- 预报时间

@time INT -- 预报时效

)

AS

SET NOCOUNT ON

IF @rptime IS NULL

BEGIN

-- 返回当天的预报数据，若没有返回昨天的

SET @rptime = CONVERT(VARCHAR(10), GETDATE(), 120) -- 当天的日期

IF NOT EXISTS (

SELECT \* FROM weatherdata.dbo.tb\_AllDataRecorde

WHERE ReportTime >= @rptime AND DataType = @dtid AND TimeType = @ttid

)

-- 当天的数据未入库

SET @rptime = CONVERT(VARCHAR(10), GETDATE() - 1, 120) -- 昨天的日期

SET @rptime = DATEADD(HOUR, @ttid, @rptime) -- 加时间（时效）

--PRINT @rptime

END

SELECT b.id, b.stationid, b.name\_cn, a.stationOrder, c.\*

FROM dbo.tb\_StationSetting AS a

INNER JOIN dbo.tb\_StationInfo AS b ON a.selectID = b.id

LEFT OUTER JOIN (

SELECT \* FROM weatherdata.dbo.tb\_AllDataRecorde AS dr

WHERE dr.ReportTime = @rptime AND dr.DataType = @dtid

AND (dr.Time = @time OR @time IS NULL)

) AS c ON b.stationid = c.StationID

WHERE a.CP\_id = @cpid

ORDER BY a.stationOrder, CASE WHEN c.StationID IS NULL THEN 1 ELSE 0 END, c.ReportTime DESC, c.Time

--RETURN @@ROWCOUNT

SET NOCOUNT OFF

2.%%%%%%%%%%%%%%%%sp\_getDataX%%%%%%%%%%%%%%%%%%%%%%%%

USE [AllCityData]

GO

/\*\*\*\*\*\* 对象: StoredProcedure [dbo].[sp\_getDataX] 脚本日期: 12/05/2013 10:26:09 \*\*\*\*\*\*/

SET ANSI\_NULLS ON

GO

SET QUOTED\_IDENTIFIER ON

GO

ALTER PROCEDURE [dbo].[sp\_getDataX]

(

@cpid INT, -- 栏目编号

@dtid INT, -- 数据类型

@ttid INT, -- 时间类型

@rptime DATETIME, -- 预报时间

@times VARCHAR(64) -- 预报时效数组；例：#48#72

)

AS

SET NOCOUNT ON

IF @rptime IS NULL

BEGIN

-- 返回当天的预报数据，若没有返回昨天的

SET @rptime = CONVERT(VARCHAR(10), GETDATE(), 120) -- 当天的日期

IF NOT EXISTS (

SELECT \* FROM weatherdata.dbo.tb\_AllDataRecorde

WHERE ReportTime >= @rptime AND DataType = @dtid AND TimeType = @ttid

)

-- 当天的数据未入库

SET @rptime = CONVERT(VARCHAR(10), GETDATE() - 1, 120) -- 昨天的日期

SET @rptime = DATEADD(HOUR, @ttid, @rptime) -- 加时间（时效）

--PRINT @rptime

END

/\* 拆分预报时效数组，拼接SQL

\*

\* 一个时效：

\* WHERE dr.ReportTime = @rptime AND dr.DataType = @dtid AND ( dr.Time = 24 )

\*

\* 多个时效：

\* WHERE dr.ReportTime = @rptime AND dr.DataType = @dtid

\* AND ( dr.Time = 24 OR dr.Time = 72 OR ... ) \*/

DECLARE @sql NVARCHAR(4000)

SET @sql = N''

DECLARE @start INT

DECLARE @end INT

SET @start = 1 -- 第一个字符索引

SET @end = CHARINDEX('#', @times, @start)

IF LEN(@times) > 0 AND @end < @start

BEGIN

-- 只有一个时效

--PRINT 'only one.'

SET @sql = N'dr.Time = ' + @times + N' )'

END

ELSE

BEGIN

-- 多个时效

--PRINT 'multiple.'

WHILE @end > 0 -- 找到一个时效，截取并拼接查询条件

BEGIN

SET @sql = @sql + N'dr.Time = ' + SUBSTRING(@times, @start, @end - @start) + N' OR '

SET @start = @end + 1

SET @end = CHARINDEX('#', @times, @start)

END

-- 最后一个时效

SET @sql = @sql + N'dr.Time = ' + SUBSTRING(@times, @start, LEN(@times) - @start + 1) + N' )'

--PRINT @sql

END

SET @sql = N'SELECT b.id, b.stationid, b.name\_cn, a.stationOrder, c.\*

FROM dbo.tb\_StationSetting AS a

INNER JOIN dbo.tb\_StationInfo AS b ON a.selectID = b.id

LEFT OUTER JOIN (

SELECT \* FROM weatherdata.dbo.tb\_AllDataRecorde AS dr

WHERE dr.ReportTime = @rptime AND dr.DataType = @dtid AND ( '

+ @sql + N' ) AS c ON b.stationid = c.StationID

WHERE a.CP\_id = @cpid

ORDER BY a.stationOrder, CASE WHEN c.StationID IS NULL THEN 1 ELSE 0 END, c.ReportTime DESC, c.Time '

-- sp\_executesql只能执行Unicode字符串的SQL语句

EXEC sp\_executesql @sql, N'@rptime DATETIME, @dtid INT, @cpid INT', @rptime, @dtid, @cpid

SET NOCOUNT OFF

3.%%%%%%%%%%%%%%%% getSX%%%%%%%%%%%%%%%%%%%%%%%%

USE [AllCityData]

GO

/\*\*\*\*\*\* 对象: StoredProcedure [dbo].[getSX] 脚本日期: 12/05/2013 10:27:21 \*\*\*\*\*\*/

SET ANSI\_NULLS ON

GO

SET QUOTED\_IDENTIFIER ON

GO

-- =============================================

-- Author: <Author,,Name>

-- Create date: <Create Date,,>

-- Description: <Description,,>

-- =============================================

ALTER PROCEDURE [dbo].[getSX]

@cpid int,

@dtid int,

@ttid int

AS

SELECT DISTINCT

dbo.v\_DataRecorde.Time

FROM dbo.v\_DataRecorde INNER JOIN

dbo.v\_StationRelation ON dbo.v\_DataRecorde.StationID = dbo.v\_StationRelation.stationid AND

dbo.v\_DataRecorde.DataType = dbo.v\_StationRelation.DT\_id AND dbo.v\_DataRecorde.TimeType = dbo.v\_StationRelation.TT\_id CROSS JOIN

dbo.v\_ElementRelation

WHERE (dbo.v\_StationRelation.CP\_id = @cpid) AND (dbo.v\_DataRecorde.DataType = @dtid) AND (dbo.v\_DataRecorde.TimeType = @ttid)

order by dbo.v\_DataRecorde.Time

1. 测试新应用