



## **Preface**

This enhancement will enable to import into Timekeeper daily absences using the QDD SAP interface and replace the existing absence import interface (currently via Lavie transaction format 012).

**Environment:** TKSQL

## **Detailed description of the requirement:**

1. An option to import daily information should be added to the QDD SAP application. Daily information will be imported only after the Employee information has been imported (this is because daily information can only be imported for existing employees). If for some reason a record can not be imported (e.g. the employee does not exist) this event will appear in the log file as an error.
2. This is the list of fields that will be imported.

### **Full Absence**

#	Field	Element	Attribute
1	Employee	daily	EMPLOYEE
2	Date	daily	DATE
3	Absence Code	Daily	FULL_ABS
4		Commands	GENERATE



Note1: In the scenario that there is no day created, the "generate" command should be set to yes.



Note2: These fields should be added to the TK2XMLMAP table as below.

SQL-SERVER\IN...dbo.TK2XMLMAP Summary									
	INTEGRATIONKEY	S_TABLETYPE	S_ELEMENT	S_ATTRIBUTE	DB_TABLE	DB_COLUMN	DESCRIPTION	DB_VALIDITY_...	IS_WHERE_COL
	TK_XML	20	daily	DATE	IMPORT_DAILY	REC_DATE	DAILY		0
	TK_XML	20	daily	EMPLOYEE	IMPORT_DAILY	EMPLOYEE	DAILY		0
	TK_XML	20	daily	FULL_ABS	IMPORT_DAILY	FULL_ABS	DAILY		0
	TK_XML	20	Commands	GENERATE	IMPORT_DAILY	GENERATE	DAILY		0

### **Partial Absence**

#	Field	Element	Attribute
1	Employee	daily	EMPLOYEE
2	Date	daily	DATE
3	Absence Code	PartialAbsence	ABS_ABS_CODE
4	Start Time	PartialAbsence	ABS_START
5	End Time	PartialAbsence	ABS_END
6		Commands	GENERATE



Note1: In the scenario that there is no day created, the "generate" command should be set to yes.



Note2: These fields should be added to the TK2XMLMAP table as below.

SQL-SERVER\N...dbo.TK2XMLMAP Summary									
	INTEGRATIONKEY	S_TABLETYPE	S_ELEMENT	S_ATTRIBUTE	DB_TABLE	DB_COLUMN	DESCRIPTION	DB_VALIDITY_...	IS_WHERE_COL
	TK_XML	20	daily	DATE	IMPORT_DAILY	REC_DATE	DAILY		0
	TK_XML	20	daily	EMPLOYEE	IMPORT_DAILY	EMPLOYEE	DAILY		0
	TK_XML	20	PartialAbsence	ABS_START	IMPORT_DAILY	ABS_START	DAILY		0
	TK_XML	20	PartialAbsence	ABS_END	IMPORT_DAILY	ABS_END	DAILY		0
	TK_XML	20	PartialAbsence	ABS_ABS_CODE	IMPORT_DAILY	ABS_ABS_CODE	DAILY		0
	TK_XML	20	Commands	GENERATE	IMPORT_DAILY	GENERATE	DAILY		0



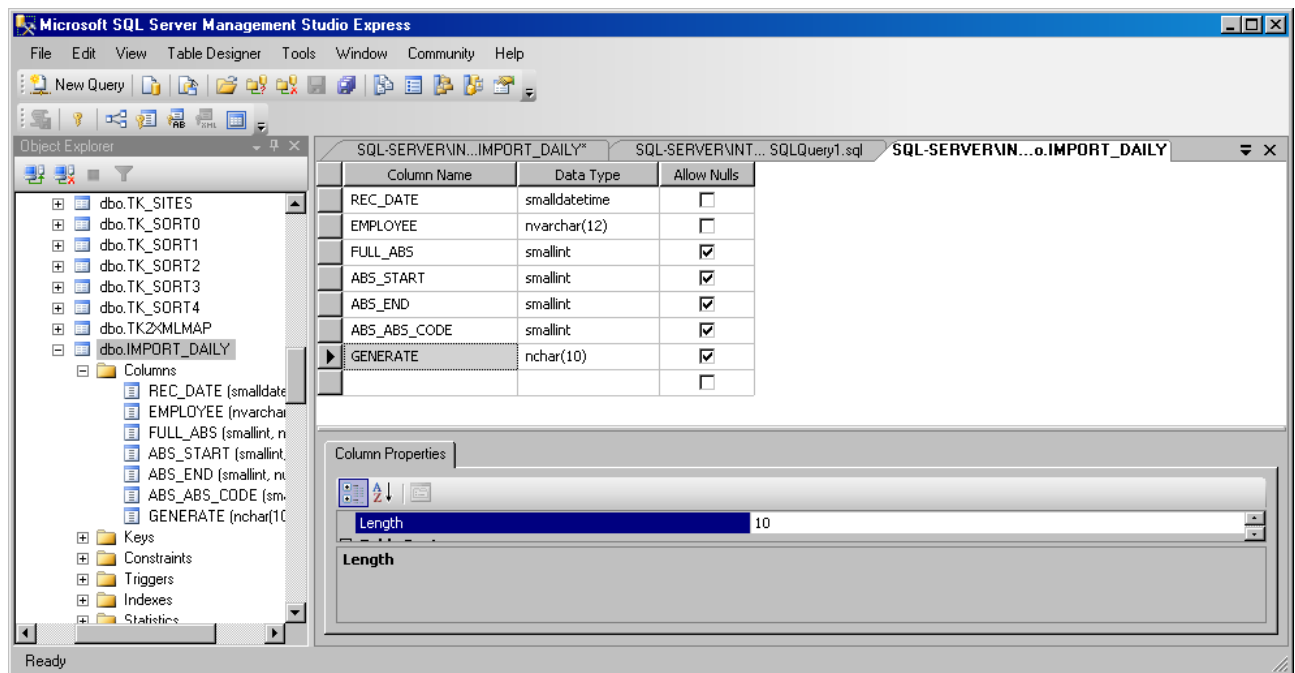
Note3: When a partial absence record is generated it must include all fields (i.e. ABS\_START, ABS\_END, ABS\_ABS\_CODE). Meaning all values can either contain a value or a null. Having a null in one of these fields is impossible.

This is an example of how the daily data should look in the IMPORT\_DAILY table:

SQL-SERVER\N...IMPORT_DAILY*							
REC_DATE	EMPLOYEE	FULL_ABS	ABS_START	ABS_END	ABS_ABS_CODE	GENERATE	
11/11/2007 00:...	123	17	NULL	NULL	NULL	yes	
12/11/2007 00:...	345	NULL	830	1130	17	yes	
14/11/2007 00:...	678	14	NULL	NULL	NULL	yes	
NULL	NULL	NULL	NULL	NULL	NULL	NULL	



The table design is as follows:



This table can be created by the following script.

```
/****** Object: Table [dbo].[IMPORT_DAILY]      Script Date: 12/17/2007 12:02:18
******/
SET ANSI_NULLS ON
GO
SET QUOTED_IDENTIFIER ON
GO
CREATE TABLE [dbo].[IMPORT_DAILY] (
    [REC_DATE] [smalldatetime] NOT NULL,
    [EMPLOYEE] [nvarchar] (12) NOT NULL,
    [FULL_ABS] [smallint] NULL,
    [ABS_START] [smallint] NULL,
    [ABS_END] [smallint] NULL,
    [ABS_ABS_CODE] [smallint] NULL,
    [GENERATE] [nchar] (10) NULL CONSTRAINT [DF_IMPORT_DAILY_GENERATE] DEFAULT
('yes')
) ON [PRIMARY]
```