

## Veco Administration Guides - Veco Database Backup

### Introduction

The “Veco” software does not provide any database backup/restore facilities. These have to be provided by the customer or via Eurolink Technical Support. Ensure the customer is aware whose responsibility it is to ensure that regular backups are carried out. The Sales Department may have a document for the customer to sign to this effect.

SQL Server backups can be performed manually from within SQL Server Management Studio, however it is recommended that a dedicated package is used that can schedule backups. Here are some cheap alternatives:

“SQL Server Backup v7.0.6” from <http://www.databk.com/index.htm> (\$169)

“BackupAssist – with SQL Server Add-on) from <http://www.backupassist.com> (£204)

“Backup Direct – Application Server” from <http://backupdirect.net> (£75 per month)

“Litespeed for SQL Server” from <http://www.quest.com>

“SQL Backup” from <http://www.red-gate.com> (\$295)

As part of the installation we will install and setup a daily scheduled backup using “SQLScheduler” (see later). This will create backup files in the BACKUP\ folder. However, it will be the customer’s responsibility to ensure that “off-site” backups are made.

## SQL Server 2005 Job Scheduler

SQL Server 2005 installation includes a “Job Scheduler” which can be set up to automatically carry out certain SQL tasks (such as backups) on a scheduled basis.

Unfortunately:

- a. It is difficult to set up
- b. SQL Server 2005 Express does not include such a feature

To get around this problem, a free program has been developed to allow the scheduling of tasks.

See <http://www.lazycoding.com/home.aspx> for details.

1. Create a new folder in Program Files called something like “SQLScheduler” on the server running SQL Server.
2. Download the file SQLScheduler\_LatestVersion.zip
3. Unzip all files into the new folder you created
4. Use notepad to edit the file “SQLScheduler.WindowsService.exe.config” in the “Service” folder
5. Change the “Mail Settings” section to reflect the SMTP settings of the system. For example:

```
<mailSettings>
  <smtp deliveryMethod="Network" from="donotreply@eurolinksupport.co.uk">
    <network host="smtp-auth.no-ip.com" port="3325" userName="eurolink.servehttp.com@noip-smtp"
    password="xxxxxxx"/>
  </smtp>
</mailSettings>
```

6. Start the Scheduler Service by double-clicking on “installservice” (You have to double-click “uninstallservice” and then “installservice” if ever the mail settings are changed.)
7. In the “SQLScheduler” folder, double-click “SQLScheduler” to start the program
8. Create a new “Server” (Use the IP address or actual server name eg USERNAME\SQLEXPRESS)
9. Create “Jobs” as required. The SQL code is entered on the “Details” TAB (There is already a “Template” for creating backups).
10. Specifically, create a backup Job to schedule a daily backup. The SQL details should read something like this:

```
DECLARE @BackupName VARCHAR(255)
DECLARE @BackupFileName VARCHAR(255)

SET @BackupName = 'eurolink_' + convert(nvarchar(20), getdate(), 112) + N'.bak'
SET @BackupFileName = N'c:\veco\backup\' + @BackupName

BACKUP DATABASE eurolink TO
DISK = @BackupFileName WITH NOFORMAT, NOINIT,
NAME = @BackupName, SKIP, REWIND, NOUNLOAD, STATS = 10
```

Change the template for the correct database.  
Change the backup location to the Veco BACKUP folder.