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U3M2.LW.Developing Integration Services Solutions

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# 1. Developing Integration Services Solutions

## 1.1. Exercise 1: Creating an Integration Services Project and implementing a package

The Marketing department has requested a list of products from the Adventure Works database. They want the list in the format of a comma-delimited text file. The file must include all columns from the products table. You also want to view the number of rows returned each time you generate the file so the package should have a variable which stores the number of exported rows. The package must send an e-mail message after the Products.txt file is created (using event handler). The body of the message should contain the total number of rows which have been exported.

**Result:** SSIS solution and the output file (Product.txt).

## 1.2. Exercise 2: Creating a package to keep list of files from a directory

You need to create SSIS package that reads all file names from a directory (which is a parameter for the package) and saves them to a table in the database. The table should include at least two columns:

* ID – Unique Id for a file
* FileFullPath – Full path for a file

ID column should be generated in SSIS package (using sequences on DB level is not allowed)

Additionally, you can add column **CreationTime**. This is not obligatory but you will get +1 bonus point if you find how to populate it.

**Result:** SSIS solution and the package.