

# Functional Specification

## Automatic BOM Costing

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## Version History

Version Number	Date	Author(s)	Notes	Quotes
1.0	10 January 2013	Dave Morgan	Initial Draft	

## Background

The Sapphire Automatic BOM Costing utility is designed to automatically cost all BOMs on a system, and also to clear up the history of BOM costs in order to prevent the database size growing unnecessarily.

## Solution Overview

The BOM costing utility is a command line application which is typically run on a schedule using windows scheduler. The utility runs in 3 stages as follows:

- 1) BOM cost history is deleted if the d parameter is supplied. Costs older than the specified number of days are deleted.
- 2) The cost price for all stock items are updated using the last price paid (determined as last non zero price from purchase orders or supplier list price if default supplier is linked to use this)
- 3) New BOM costs are generated. All BOMs are iterated and a cost is generated for each one. Subsequently the standard cost for the related stock item is set to the cost of the BOM as calculated.

## Input Parameters

In order to function certain parameters must be passed into the utility via the command line, as described below:

Parameter	Description	Note
u	Username	Required
p	Password	Required
c	Company name	Required
d	Delete BOM costs older than (days)	Optional. If not supplied no cost history is deleted
r	Reset after... (triggers the system to clean up memory usage to prevent excessive usage)	Optional, defaults to 100
l	Log every... (causes a log entry to be made to the application log in order to show progress)	Optional, defaults to 1000

For example the utility may be run using the following command line action:

```
BomCost.exe u:User p:Password c:Demo l:200 d:365
```