SCOPE 5.1 – Release Details

SCOPE 5.1 is the latest release of our leading IFPUG functional sizing tool. **SCOPE 5.1** reaffirms our commitment to delivering the best possible experience when performing function point analysis.

This document gives an overview of the changes in **SCOPE 5.1** versus **SCOPE 5**. **SCOPE 5.1** was released in April 2016.

Contents

Overview

SCOPE 5.1 is a minor release empassing a variety of component and application upgrades to continue the delivery of high-performance outcomes using **SCOPE**.

Most substantially:

a) **SCOPE 5.1** is out first release offering compatibility for newly released components, in particular SCOPE now supports:
   a. Microsoft Windows 10. **SCOPE** now has Windows 10 user elements.
   b. Microsoft Access Runtime 2016.
   c. SQL Server 2014 (SP1) – **SCOPE** Enterprise only
   d. Microsoft .Net Framework. Compatability has been expanded to include versions 4.5.2, 4.6 and 4.6.1
b) **SCOPE 5.1** improves the handling of multiple reports.
c) **SCOPE 5.1** has faster loading of applications.

Microsoft Access Runtime 2016

SCOPE 5.1's reporting uses the Microsoft Access 2007, 2010, 2013, or 2016 Runtimes.

If the location of the "Access Runtime" has been manually specified in the "User Options", then after upgrading to **SCOPE 5.1** it is possible to upgrade the path to refer to Office 2016 (office16). If none of the 2007, 2010,2013 or 2016 Runtimes (or the full version of Microsoft Access) are already installed, **SCOPE 5.1** installs and uses the 2007 Runtime. **SCOPE 5.1** installs the 2007 Runtime because it is substantially smaller than the other Runtimes. The 2013 Runtime is 175MB versus 57MB for the 2007 Runtime.

Multiple Report Outputs

In previous versions of SCOPE, outputting several reports was cumbersome, it was necessary to wait until each report generated before you could generate the next. **SCOPE 5.1** improves the experience, allowing you to select several reports and have them all output one-after-another with no input. So easy.

.NET Framework

SCOPE 5.1 installs the Microsoft .NET 4 client profile by default. **SCOPE 5.1** works with .NET version: 4.6.1, 4.6, 4.5.2, 4.5.1, 4 full, 4 client profile, 2.0, 3.0, and 3.5. If none of these versions are installed, only then will, the .NET 4 client profile be installed.

This change makes corporate deployment of **SCOPE** more straightforward. Microsoft .NET 2 is already widely deployed. So in general, **SCOPE 5.1** will not require Microsoft .NET to be specially installed.

.SAE Loading

SCOPE can output and input complete applications and their associated counts in .SAE files. If your workflow includes transfering .SAE files between users for example, **SCOPE 5.1** delivers a susbstantial productivity boost for you. With faster loading of .SAE files, loading applications even with hundreds of thousands of function points becomes lighting fast.

Database

SCOPE Enterprise is our flag-ship product and offers unparalled data sharing, stability, reports and usability. **SCOPE 5.1** continues the journey of improvement giving a better experience allowing you to use Microsoft SQL Server 2014 SP1 as the datastore.

SCOPE 5.1 uses the Microsoft JET database engine for data storage. **SCOPE 4.1** stores data in the Microsoft Access file format (Access), and uses Access for two different purposes.

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First, the configuration database stores all the text that is displayed in the **SCOPE** application. No customer data is stored to this database. **SCOPE** can be configured to present in several languages. It's the configuration database that stores all of the translations of the menu items, and alert messages. The configuration database is installed to users' "My Documents\Total Metrics" folder and is called "config.mdb".

Second, the user database (.FPA file) stores three distinct types of objects (1) the function point and benchmarking data tables (data tables) (2) the definitions of the reports, and (3) temporary reporting tables. In **SCOPE 5.1,** each FPA file contains all three types of objects.

SCOPE 5.1 brings more flexibility. Now **SCOPE Enterprise 5.1** users have the option to store the data tables in Microsoft SQL Server 2012 or Microsoft SQL Serve 2014 (SP1). The other two types of object, reporting definitions and temporary tables, still remain in Access. The data tables are read from SQL Server, via Microsoft Access by using "linked tables". The Access database is configured via its "linked table manager" with the location of the SQL Server database. In such a configuration, the SQL Server database contains all of the tables in **SCOPE 5.1**'s FPA file except for temporary reporting tables – those with a name which begins with "TempQ".
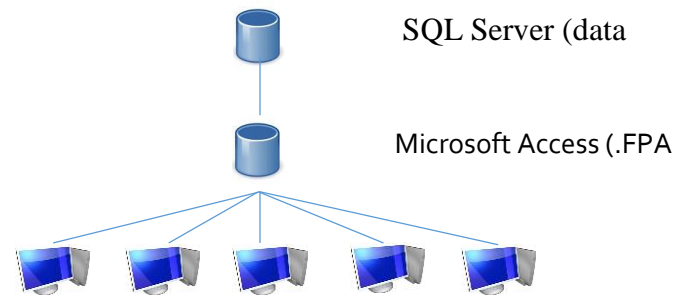
SQL Server (data

Microsoft Access (.FPA

*Figure 1 - **SCOPE 5.1. SCOPE 5.1** desktop users connect to an FPA file stored on a file server. The FPA file does not contain the data tables, which are stored in the Microsoft SQL Server database. Microsoft Access transparently requests data from Microsoft SQL Server as needed.*