

```

*****
**                                                                 **
**                               Software Release Guide              **
**                                                                 **
**                               FUJITSU Software                    **
**                               SIMPLIA MF-STEP-COUNTER V60L14     **
**                                                                 **
**                                                                 **
**                               (60. 14. 0. 0)                      **
**                                                                 **
*****

```

This software release guide provides notes on handling and using the product as well as other useful information. Read this document before installing the product.

This document is organized as follows:

1. Product Overview
2. User's Guide
3. Software Combination Requirements
4. Installation
5. Operation Check Procedure Using Sample Data
6. Uninstallation
7. Enhancement
8. Upgrading from Earlier Versions
9. Security
10. Information on SIMPLIA Products
11. Supplementary Notes

In this document, product names are abbreviated as listed below.

- "Windows (R) 10 Home",
"Windows (R) 10 Pro",
"Windows (R) 10 Enterprise",
"Windows (R) 10 Education", or
"Windows (R) 10 Redstone"
--> "Windows 10"
- "Windows (R) 8.1",
"Windows (R) 8.1 Pro", or
"Windows (R) 8.1 Enterprise"
--> "Windows 8.1"
- "Windows (R) 7 Home Premium",
"Windows (R) 7 Professional",
"Windows (R) 7 Enterprise", or
"Windows (R) 7 Ultimate"
--> "Windows 7"
- "Microsoft (R) Windows Server (R) 2016 Datacenter",
"Microsoft (R) Windows Server (R) 2016 Standard", or
"Microsoft (R) Windows Server (R) 2016 Essentials"
--> "Windows Server 2016"
- "Microsoft (R) Windows Server (R) 2012 R2 Datacenter",
"Microsoft (R) Windows Server (R) 2012 R2 Standard",
"Microsoft (R) Windows Server (R) 2012 R2 Essentials", or
"Microsoft (R) Windows Server (R) 2012 R2 Foundation"
--> "Windows Server 2012" or "Windows Server 2012 R2"
- "Microsoft (R) Windows Server (R) 2012 Datacenter",
"Microsoft (R) Windows Server (R) 2012 Standard",
"Microsoft (R) Windows Server (R) 2012 Essentials", or
"Microsoft (R) Windows Server (R) 2012 Foundation"
--> "Windows Server 2012"
- "Microsoft (R) Windows Server (R) 2008 R2 Datacenter",
"Microsoft (R) Windows Server (R) 2008 R2 Standard",
"Microsoft (R) Windows Server (R) 2008 R2 Enterprise", or

- "Microsoft(R) Windows Server(R) 2008 R2 Foundation"
--> "Windows Server 2008" or "Windows Server 2008 R2"
- The following products are collectively indicated as "Internet Explorer".
Microsoft(R) Internet Explorer 10
Microsoft(R) Internet Explorer 11
- The following products are collectively indicated as "Windows".
Windows 10
Windows 8.1
Windows 7
Windows Server 2016
Windows Server 2012
Windows Server 2008
- "Microsoft(R) Visual C#(R)"
--> "C#"
- "Microsoft(R) Visual Basic(R) Version 6.0"
--> "Visual Basic 6.0" or "VB6.0"
- "Java(TM)2 SDK, Standard Java Edition" or
"Java(TM) 2 Platform Standard Edition Development Kit", "JDK(TM)"
-->"JDK"
- Export Administration Regulation Declaration
Exportation/release of this software may require necessary procedures in accordance with the regulations of your resident country and/or US export control laws.

1. Product Overview

1. 1 What is SIMPLIA?

- SIMPLIA (SIMple development & maintenance support Program Libraries for Application system) is a collective name of a set of tools that support application development and maintenance.
- By introducing SIMPLIA products, benefits such as higher work efficiency and improved productivity and quality can be expected.

SIMPLIA products are categorized into the following series based on their functions.

PF Series: Mainly supports the program design phase.

Program design document auto-output tool

TF Series: Mainly supports the testing phase.

Test data creation support tool, code conversion tool, etc.

VF Series: Supports verification work such as test result checks.

File content comparison tool

DF Series: Outputs various documents.

Cross referencing, file layout, job flow, etc.

MF Series: Mainly supports the maintenance and management phases.

Program step measurement tool

1. 2 What is SIMPLIA MF-STEPCOUNTER?

SIMPLIA MF-STEPCOUNTER is one of the tools that support application development and maintenance, and is used in the maintenance and management phases.

This tool collects the data for managing the following languages and their related files and outputs documents that support asset management.

- C/C++/C Resources
- COBOL/Include Files/COPY Registration Libraries
- Java
- IDL
- HTML/JSP/CSS/JavaScript
- VB.NET/C#/ASP.NET
- Visual Basic 6.0

SIMPLIA MF-STEP COUNTER has the following features.

- Step Measurement

- Measurement results (*1) based on the measurement standards (refer to the topic "4.1 Step Measurement Criteria" in the User's Guide) can be obtained.
- Measurement targets include C/C++, COBOL, Java, IDL, HTML, JSP, CSS, JavaScript, VB.NET, C#, ASP.NET, and Visual Basic 6.0. In addition text files are also targets of measurement.
- Measurement result information can be used as valid materials for maintenance work.
Measurement result information can be also used as shown below:
 - Saving of measurement result information
 - Printing of measurement result information
 - Reuse of measurement result information

*1: Measurement results contain the following information.

(a) Program step information

The number of program steps of C/C++, COBOL, Java, IDL, HTML, JSP, CSS, JavaScript, VB.NET, C#, ASP.NET, Visual Basic 6.0 source, and text files are measured.

For C and COBOL programs, COPY phrases and include expansion steps are counted, divided into manual members and embedded members.

(b) Embedded member step information

Step information for the include files and COPY registration library file used by the measurement target program is displayed. In addition, cross reference information that shows which program is using the embedded member is included.

- Measure Variation

- Variation of steps (insertion/modification/deletion) can be measured by comparing old and new files and folders.
- Measurement targets include COBOL, Java, C/C++, VB.NET, C#, ASP.NET, HTML, CSS, JavaScript, and TEXT files.

- Java (TM) Software Metrics Measurement

- Items used as indexes for quality management and evaluation of classes and methods from Java (TM) source and class files are measured.

1. 3. Product Organization

- This product is provided as a CD-ROM.
- Printed manuals are not provided with this product. For the operation procedures and operation checks, refer to the User's Guide incorporated into this software.
- Format: one CD-ROM disk
 - Product software
 - Sample data

1. 4 Hardware Requirements

Category	Requirements
Operating System	Windows 10, Windows 8.1, Windows 7, Windows Server 2016, Windows Server 2012 R2, Windows Server 2012, Windows Server 2008 R2
Available Memory	1 GB or more
Hard Disk Space	10 MB or larger

* Note that the required hard disk space differs depending on the selected functions and hard disk attributes (such as clusters).

2. User's Guide

The following User's Guide are provided:

- SIMPLIA MF-STEPCOUNTER User's Guide
- SIMPLIA MF-STEPCOUNTER Metrics Measurement User's Guide

* Please refer to the user's guide with latest Internet Explorer.

3. Software Combination Requirements

3. 1. Required Software

Software	Requirement	Remarks
OS	Windows 10 Windows 8.1 Windows 7 Windows Server 2016 Windows Server 2012 R2 Windows Server 2012 Windows Server 2008 R2 SP1	One of the OSs listed in the left column is required.
JDK	JDK 8.0	When using the Java software metrics function, JDK listed in the left column is required.

(Operation in JRE is not possible because the native2ascii command is necessary)

* When using an x64 version OS, this product operates on the WOW 64 environment.

4. Installation

4. 1. Icons and Folders

- When installation is complete, the following icons are created in "MF-STEP-COUNTER V60" in the group "SIMPLIA Series":
 - SIMPLIA MF-STEP-COUNTER
 - SIMPLIA MF-STEP-COUNTER User's Guide
 - SIMPLIA MF-STEP-COUNTER Software Release Guide
 - SIMPLIA MF-STEP-COUNTER Metrics Measurement User's Guide
 - SIMPLIA MF-STEP-COUNTER Metrics Measurement
- When installation is complete, installation information of SIMPLIA MF-STEP-COUNTER is stored in the registry information on the system at the installation destination.
- When installation is complete, the files related to SIMPLIA MF-STEP-COUNTER are stored in the directories as shown below.

MF-STEP-COUNTER: Executable assets such as EXE files are stored here.

```
|
+ Sample: Sample data is stored here.
|   + en      : English version
|   + jp      : Japanese version
|
+ HELP      : HTML User's Guide are stored here.
|   + en      : English version
|     + stj   : SIMPLIA MF-STEP-COUNTER Metrics Measurement User's Guide
|               index.html [Startup file]
|     + stp   : SIMPLIA MF-STEP-COUNTER User's Guide
|               index.html [Startup file]
|   + jp      : Japanese version
|     + stj   : SIMPLIA MF-STEP-COUNTER Metrics Measurement User's Guide
|               index.html [Startup file]
|     + stp   : SIMPLIA MF-STEP-COUNTER User's Guide
|               index.html [Startup file]
+ TEMP      : Work space used by this product
```

4. 2. Advisory Notes for Installation

- Install this product as a user with administrator privileges.
If the installer is started as a user without administrator privileges, installation may not be completed correctly.
- Close all applications that are running before installing this product.
Otherwise, installation may fail.
- The installation destination specified in the window for selecting components must be the full path of the installation destination.
- If you specify an installation destination in the Choose the Destination

Location window, move to the next window, and then press the [Back] button to return to the Choose the Destination Location window and change the installation destination, the folder that was specified and created may remain.

- Even if there is sufficient disk space during installation, disk space may run out during file copying operations, depending on the disk attributes (such as sectors). When this happens, delete the files and folders that were already copied, change the installation drive or secure additional free disk space, and then perform installation again.
- When reinstalling this product, confirm that there is sufficient disk space on the hard disk beforehand.
- Do not specify the drive root or a network drive for the installation destination. There is a chance that the product will not install correctly.
- Even if it is a user who has the manager privileges when "Only present user" is selected on the user information screen at the installation, it is not likely to be able to uninstall it correctly. Therefore, please specify "All users who use this computer" (all users) as long as there is no obstacle.

<Upgrading from Earlier Versions>

- Overwrite installation in an environment where an earlier version or level has been already installed is not possible. Uninstall the existing level first, then perform installation and reconfigure the environment.

4. 3 Installation Procedure

- (1) Close all applications that are running before installing this product.
- (2) Insert the product CD-ROM into the CD-ROM drive.
- (3) The installer will start automatically.

* If the installer does not start automatically, execute "SETUP.exe" on the product CD-ROM.

- (4) Follow the instructions displayed on the window to perform installation.

5. Operation Check Procedure Using Sample Data

For details on the operation check procedure using sample data, refer to "10.1 Sample Usage" in the User's Guide.

6. Uninstallation

6. 1. Advisory Notes for Uninstallation

- When uninstallation is performed, only the copied files and the environment created by the product installer are deleted. The environment and files created using the product are not deleted.
- If the product is linked to other products, the product folders may remain

after uninstallation.

6. 2. Uninstallation Procedure

- (1) Click the [Start] menu.
- (2) Click [Control Panel] to open the Control Panel.
- (3) Select [Uninstall a program] and perform uninstallation from the [Uninstall or change a program] window.
- (4) Follow the instructions displayed on the window to perform uninstallation.

* The above procedure assumes Windows 7 is the OS used.

7. Enhancement

Enhancements from V60L13 are shown below.

The Step Measurement function and Measure Variation function has been enhanced as follows:

- Added "Continue measurement without displaying message" as common option.

The Java (TM) Software Metrics Measurement function has been enhanced as follows:

- There are no additional features.

8. Upgrading from Earlier Versions

When updating from versions between V60L10 and V60L13, all assets can be used as they are.

- Measurement result files used by older version can be handled as they are. However, once a file is used in V60L14, that file will be rebuilt for V60L14 automatically and will no longer be usable in older version.

When updating from V50L50, all assets can be used as they are.

- Measurement result files used by V50 can be handled as they are. However, once a file is used in V60L14, that file will be rebuilt for V60L14 automatically and will no longer be usable in V50L50.
- In the Java Software Metrics Measurement function, the asset file lists saved in V60 cannot be loaded in JDK1.3/1.4. When it is loaded, an error occurs.

When upgrading from versions between V50L10 and V50L42, note the following points:

- As restrictions to internal program measurement have been removed, when loading an old measurement result file containing measurement results of COBOL assets, a message notifying users that measurement for each program ID is possible is displayed.
- As measuring of include files is now possible during measurement of each folder of C/C++ assets, when loading an old measurement result file, a

message notifying users that inclusion of header files in the measurement target is possible is displayed.

When using assets from V30, note the following points:

- Measurement result files used in V30 can be handled as they are. However, once a file is used in V60, that file will be rebuilt for V60 automatically and will no longer be usable in V30.

9. Security

- Be sure to use this product in intranet environments.

10. Information on SIMPLIA Products

- If you need the latest information about SIMPLIA products, please type in a search for "SIMPLIA" within the website as below:

URL : <http://www.fujitsu.com/jp/>

11. Supplementary Notes

11. 1. Notes

- This product does not operate correctly when characters displayed using four-byte codes as specified in JIS 2004 are used.
 - When such characters are entered in the input fields
 - When a folder or file with a name using such characters is selected
 - When data containing such characters is input
- Do not delete the files created during installation using any method other than the uninstallation procedure explained above.
- License when using remote desktop service/Xen App
XenApp (Citrix XenApp) is the successor to MetaFrame and Citrix Presentation Server. In this document, XenApp, MetaFrame, and Citrix Presentation Server are collectively referred to as XenApp.

To use a development package product or a client operation package product using a remote desktop service/XenApp, the same number of licenses as the number of clients that will use the remote desktop service/XenApp at the same time are necessary.

- Advisory notes when installing on a remote desktop service

When using a remote desktop service, change the status of the operating system to Install mode.

- change user /install : Change to Install mode.
- change user /execute : Change to application execution mode.
- change user /query : Displays the mode.

After installing this product, return the mode to application execution mode.

- Do not edit measurement result files (*.stp files) or asset file lists (*.stj file) directly using an editor.
- Some language category may not be compatible with the new rules. Please see FAQ in the site described in "10. Information on SIMPLIA products".

The following are advisory notes for the Step Measurement function:

- Values may differ between Form and List view due to differences in the measurement percentages of average lines and the ETC step calculation method.

The following are advisory notes for the Measure Variation function:

- The value is different from the measurement result obtained using the Step Measurement function as the measurement method differs depending on the measurement options. For details, refer to "4.2 Variation Measurement Criteria" in the User's Guide.

The following are advisory notes for the Java Software Metrics Measurement function:

- The character code used for measurement target assets must be Shift JIS. When any other character code is used, measurement results are not guaranteed.
- The metrics function is started from mfstpjm_en.bat. During startup, addition is performed on the environment variable "classpath". When there is not enough space for the environment variable, starting may fail. In this case, allocate more space for the environment variable.
- JDK must be correctly installed, the Bin folder of JDK must be specified for the environment variable path, and classpath must be correctly specified, in advance. If the Bin folder of JDK is not specified for the environment variable path of the system, it can be added using mfstpjm_en.bat.
- Classes of the utilities used by the assets to be measured (such as GUI Bean) must be also specified for the environment variable path or specified in the Specify Class Path window of the metrics function. When the classes are not specified in either of these, a measurement error occurs.
- If the asset file list is being used exclusively by another application during measurement using the metrics function, that asset file list cannot be loaded. In this case no error messages are displayed.

For other advisory notes for SIMPLIA MF-STEP-COUNTER, refer to the "8.1 Advisory Notes" pages in the User's Guide.

11. 2 High-Risk Activity

The Customer acknowledges and agrees that the Product is designed, developed and manufactured as contemplated for general use, including without limitation, general office use, personal use, household use, and ordinary industrial use, but is not designed, developed and manufactured as contemplated for use accompanying fatal risks or dangers that, unless extremely high safety is secured, could lead directly to death, personal injury, severe physical damage or other loss (hereinafter "High Safety Required Use"), including without limitation, nuclear reaction control in nuclear facilities, aircraft flight control, air traffic control, mass

transport control, medical life support systems, missile launch control in weapon systems.

The Customer shall not use the Product without securing the sufficient safety required for the High Safety Required Use. In addition, neither Fujitsu nor affiliated companies shall be liable against the Customer and/or any third party for any claims or damages arising in connection with the High Safety Required Use of the Product.

- End of Document -

-
- Microsoft, Windows, Visual Studio, Visual Basic, and Windows Server are either registered trademarks or trademarks of Microsoft Corporation in the United States and other countries.
 - Oracle and Java are registered trademarks of Oracle and/or its affiliates in the United States and other countries. Company names and product names used in this document are registered trademarks or trademarks of those companies.
 - Citrix, Citrix Presentation Server, and Citrix XenApp are trademarks of Citrix Systems, Inc. in the United States and other countries.
 - All other brand and product names are trademarks or registered trademarks of their respective owners.

The contents of this document are subject to change without notice.
The source code of this product is confidential information of Fujitsu Limited or the developing company.
Releasing the source code to third parties without the express written permission of Fujitsu is prohibited.

Copyright 1994-2018 FUJITSU LIMITED
