MetricStream

MetricStream Universal Installer

INSTALLATION GUIDE (FOR LINUX) RELEASE 6.1 SP1 - PATCH 3 SEPTEMBER 2014

Copyright Notices

Copyright © 2014 MetricStream Inc. All Rights Reserved.

The MetricStream **MetricStream Universal Installer Installation Guide Release 6.1 SP1 - Patch 3**, as well as the software described within it, is furnished under license and may only be used or copied within the terms of that license. The information in this document is provided for informational purposes only, is subject to change without notice, and should not be construed as a commitment by Metric-Stream, Inc. MetricStream, Inc. assumes no responsibility or liability for any errors or inaccuracies that may appear in this document.

Except as permitted by license, no part of this publication may be reproduced, stored in a retrieval system, or transmitted, in any form or by any means – electronic, mechanical, recording, or otherwise – without the prior written permission of MetricStream, Inc.

Written and designed at MetricStream, Inc., 2600 East Bayshore Road, Palo Alto, CA 94303, U.S.A.

Printed in the U.S.A.

CAUTION

This document contains proprietary, confidential information that is the exclusive property of Metric-Stream, Inc. If you do not have a valid contract with MetricStream for the use of this document, or have not signed a non-disclosure agreement with MetricStream, then you received this document in an unauthorized manner and are not legally entitled to possess or read it.

Use, duplication, and disclosure are subject to restrictions stated in your contract with MetricStream, Inc. Use, duplication, and disclosure by the Government are subject to restrictions for commercial software and shall be deemed to be Restricted Rights software under Federal Law.

Table of Contents

About This Guide v
Preface v
Documentation Conventions
Target Audience
Chapter Summaries
Related Documents
Documentation Feedback
Chapter 1. MSUI - Features and Prerequisites 1
Key Features of MSUI
Prerequisites and Assumptions2
Software and Hardware Requirements
Additional Requirements
Chapter 2. Installing MSUI
Installation Overview
Command Line (Silent) Installation
Re-Installing MSUI
Chapter 3. Installing GRC Platform and Applications 9
Chapter 3. Installing GRC Platform and Applications 9 Pointers Before Installing GRC Platform and Applications 10
Chapter 3. Installing GRC Platform and Applications 9 Pointers Before Installing GRC Platform and Applications 10 Using MSUI Command Line Interface 11
Chapter 3. Installing GRC Platform and Applications
Chapter 3. Installing GRC Platform and Applications - 10 Using MSUI Command Line Interface - - - - - 11 11 12 12 12 14 <td< td=""></td<>
Chapter 3. Installing GRC Platform and Applications - 10 Using MSUI Command Line Interface - - - - - - 11 11 12 12 12 12 14 14 Using the MSUI-GUI Interface - - 16 16
Chapter 3. Installing GRC Platform and Applications - - - - - - 9 Pointers Before Installing GRC Platform and Applications - - - 10 Using MSUI Command Line Interface - - - 11 Commands - - - 12 Command Options - - 14 Using the MSUI-GUI Interface - - 16 Database Configuration - 17
Chapter 3. Installing GRC Platform and Applications - - - - - - - 9 Pointers Before Installing GRC Platform and Applications - - - 10 Using MSUI Command Line Interface - - - 11 Commands - - - 12 Command Options - - 14 Using the MSUI-GUI Interface - - 16 Database Configuration - 17 18
Chapter 3. Installing GRC Platform and Applications - - - - - - 9 Pointers Before Installing GRC Platform and Applications - - - 10 Using MSUI Command Line Interface - - - - 11 Commands - - - - 12 Command Options - - - 14 Using the MSUI-GUI Interface - - - 16 Database Configuration - - 17 18 Web Sever Configuration - - 19
Chapter 3. Installing GRC Platform and Applications - - - - - 9 Pointers Before Installing GRC Platform and Applications - - - 10 Using MSUI Command Line Interface - - - 11 Commands - - - 12 Command Options - - 14 Using the MSUI-GUI Interface - - 16 Database Configuration - - 18 Web Sever Configuration - 19 Application Server Configuration - 20
Chapter 3. Installing GRC Platform and Applications - - - - - 9 Pointers Before Installing GRC Platform and Applications - - - 10 Using MSUI Command Line Interface - - - 11 Commands - - - 12 Command Options - - - 14 Using the MSUI-GUI Interface - - - 16 Database Configuration - - - 17 EGRCP Configuration - - - 19 Application Server Configuration - - - 20 Install Modules - - 21
Chapter 3. Installing GRC Platform and Applications - - - - 9 Pointers Before Installing GRC Platform and Applications - - 10 Using MSUI Command Line Interface - - 11 Commands - - 12 Command Options - - 12 Database Configuration - 17 EGRCP Configuration - 18 Web Sever Configuration - 19 Application Server Configuration 20 Install Modules 21 Available Installers Pane 21
Chapter 3. Installing GRC Platform and Applications - - - - 9 Pointers Before Installing GRC Platform and Applications - - 10 Using MSUI Command Line Interface - - 11 Commands - - 12 Command Options - - 14 Using the MSUI-GUI Interface - - 16 Database Configuration - - 17 EGRCP Configuration - - 19 Application Server Configuration - - 20 Install Modules - - 21 Selected Installers Pane 21 22
Chapter 3. Installing GRC Platform and Applications9Pointers Before Installing GRC Platform and Applications10Using MSUI Command Line Interface11Commands12Command Options14Using the MSUI-GUI Interface16Database Configuration17EGRCP Configuration18Web Sever Configuration19Application Server Configuration20Install Modules21Available Installers Pane21Selected Installers Pane22MSUI Interface Buttons22
Chapter 3. Installing GRC Platform and Applications - - - 9 Pointers Before Installing GRC Platform and Applications 10 Using MSUI Command Line Interface 11 Commands 12 Command Options 14 Using the MSUI-GUI Interface 16 Database Configuration 17 EGRCP Configuration 18 Web Sever Configuration 19 Application Server Configuration 20 Install Modules 21 Selected Installers Pane 21 Selected Installers Pane 22 MSUI Interface Buttons 22 Pointers After Installing EGRCP and Other Applications 23

P	uTTY
X	manager
	#ECP Logs
	#Apache Tomcat Service Names
	#Tomcat Parameters
	#APACHE Parameters

About This Guide

Preface

The MetricStream MetricStream Universal Installer Installation Guide Release 6.1 SP1 - Patch 3 provides information on using the MetricStream MetricStream Universal Installer (MSUI) tool. The MetricStream Universal Installer tool is used to install and configure database, web server, EGRCP and other MetricStream applications.

Documentation Conventions

The following conventions are used in this document.

Conventions	Description
Note:	Key pointers, in the form of notes, to help you use this application effectively and efficiently are provided throughout this guide. You can recognize a note when you come across a new paragraph in italics with the word 'Note' in red at the beginning of the para- graph. For example:
	<i>Note:</i> The installer uses the parameters from the property file to
	perform its task, make sure you enter the enter correct values in the
	file before the installation.
Boldface	 All MetricStream application names, software references, and document names appear in boldface. Examples: Application Name: MetricStream Universal Installer Software reference: Selected Installers pane
	References to different topics within this User Guide. For example: For more information on the parameters, refer to the Appendix section.

Target Audience

This guide is intended for users who want to install and use the **MetricStream Universal Installer** tool. This tool is used for installing MetricStream applications such as EGRCP, Audit Management, Risk Management, and so on.

Chapter Summaries

This guide consists of the following chapters.

Chapter Title	Description
MSUI - Features and Prereq- uisites	Provides an overview on the MetricStream Universal Installer application.
Installing MSUI	Provides information on how to install MSUI.
Installing GRC Platform and Applications	Provides information on installing GRC platform and other Metric- Stream applications using MSUI .
Appendix	Provides information on the Parameters.properties file.

Related Documents

You can refer to the following documents:

• MetricStream Universal Installer Guide Windows Release 6.1 SP1 - Patch 3

Documentation Feedback

MetricStream welcomes customers' comments and suggestions on the quality and usefulness of this document.

Your feedback is important. It helps us to best meet your needs as a user of our products. If you have any suggestions for improvement or have your answer as 'No' for any of the following questions, write to us.

- Did you understand the context of the procedures?
- Did you find any errors in the information?
- Does the structure of the information help you to complete your tasks?
- Do you need different information or graphics? If so, where, and in what format?
- Are the examples correct? Do you need more examples?

Send your comments to: Documentation@metricstream.com

If you need training or product support, contact MetricStream Support Services at support@metricstream.com or 800-858-5658.

A list of MetricStream offices is available on our Web site: <u>http://www.metricstream.com/</u>

1

MSUI - Features and Prerequisites

This chapter provides an overview on the **MetricStream Universal Installer** tool, minimum system requirements to install the **MetricStream Universal Installer**.

Sections of this chapter:

- 1. Key Features of MSUI
- 2. Prerequisites and Assumptions
- 3. Software and Hardware Requirements
- 4. Additional Requirements

Key Features of MSUI

Following are the important features of MSUI:

- Easy installation, upgrade, and configuration of Apache and Tomcat serevers
- Installation, upgrade, and configuration of GRC platform and other MetricStream applications
- Configurator interface to modify the client.config.xml values
- Log records of installation for easy debugging of errors
- Database verification of prerequisites
- Automatic backups of files while upgrading the applications
- Automatic update of client.config.xml values after installation of GRC platform and applications
- Dependency check across modules and versions and related alert messages to complete the installations
- Supports silent (command line) and GUI modes of installation

Prerequisites and Assumptions

The following are the prerequisites and assumptions for Installing MSUI:

- An application server is a database server
- Oracle client must be present and installed on the application server (This prerequisite will be deprecated shortly)
- Minimum of 5GB free space on application server and 7GB on database server
- The MSUI supports any combination of operating system on application and database server

Software and Hardware Requirements

The following table provides the hardware and software requirements for installing MSUI.

Туре	Requirement
Operating System	Red Hat Enterprise Linux, CentOS Linux (32-bit and 64-bit)
RAM	4GB
HDD Size	40GB
Application Servers	Oracle 11.2.0.3 (client and Server) with a database schema
MSUI	6.1 SP1

Additional Requirements

- The MSUI supports Apache and Tomcat installations. Any server installation other than Apache and Tomcat is handled manually.
- You need to complete the database, web server installation, and configuration before installing the MetricStream applications.

Installing MSUI

This chapter provides information on how to install **MSUI**.

Sections of this chapter:

- 1. Installation Overview
- 2. Command Line (Silent) Installation
- 3. Re-Installing MSUI

Installation Overview

You can install **MSUI** using the command line on Linux and GUI on windows. The command line installation is also termed as silent installation and you can execute the installer using Putty or Linux terminal.

Command Line (Silent) Installation

To install MSUI for Linux platform using the command line, perform the following steps:

Step 1 Download the installer software MS_Universal_Installer.bin.

Note: Provide execute permission to MS_Universal_Installer.bin (chmod 755

MS_Universal_Installer.bin).

Step 2 Execute the following command in the directory that contains the downloaded installer

./MS_Universal_Installer.bin < MetricStream Installation directory>

The following message appears.



Figure 1: MSUI Installation Message

After installation the following directories are created in the **MSUI** installed folder.

MS_Installers MS_Universal_Installer SYSTEMi Figure 2: Installation Directories

Re-Installing MSUI

To re-install **MUSI**, perform the following step:

• Extract a backup of the MS_Universal_Installer directory and re-install in the same location.

Installing GRC Platform and Applications

This chapter provides information on installing GRC platform and other MetricStream applications us-

ing **MSUI**.

Sections of this chapter:

- 1. Pointers Before Installing GRC Platform and Applications
- 2. Using MSUI Command Line Interface
 - O Commands
 - Command Options
- 3. Using the MSUI-GUI Interface
 - O Database Configuration
 - O EGRCP Configuration
 - Web Sever Configuration
 - O Application Server Configuration
 - o Install Modules
- 4. Pointers After Installing EGRCP and Other Applications

Pointers Before Installing GRC Platform and Applications

The below points are to be considered before you install EGRCP and other applications using the Command Line interface (CLI):

• Edit the property file of the MetricStream Installation directory\MS_Universal_Installer\msui\ parameters.Properties with the relevant values for your installation.



For more information on the parameters, refer to the Appendix section.

Note: The installer uses the parameters from the property file to perform its task, make sure you enter the enter correct values in the file before the installation.

- The default location for the parameters.properties file is MetricStream Installation directory\MS_Universal_Installer\msui\. The entries in the Installer_List.txt must contain the list of modules to be installed. The entries in the Installer_list.txt file must be the name of the installer file including the extension. for example, ISM_6.1.1.jar
- Do not delete or rename the text file Installer_List.txt present in the MS_Installers directory.

Using MSUI Command Line Interface

To install EGRCP using MSUI Command line interface, perform the following steps:

Step 1	Change the working directory to MetricStream Installation directo-	
	ry\MS_Universal_Installer	

Step 2 Run the following command.

```
./MS_Universal_Installer.sh [-f] [-health] [-help] [-p <schemapassword>] [-s <systempassword>]
```

The installer is invoked. To continue the installation use the commands provided in the below table. *Note: If the schema already exists, then MSUI installs the products mentioned in the Installer_list.properties.*

Commands

Command	Use this Command to	Usage
-f	Run in command/shell mode with force installa- tion.	Not applicable
-health	Validate the system health.	This command prompts the user to provide the schema password. If valid password in entered, it performs the validation and generates the report. The reports are available at MetricStream Installation directory\logDir or in the log directory configured in the parameters.properties. The file name is HealthCheck_ (timestamp).html The output for the command is given below: \MS_Universal_Installer>MS_universal_Install er -health
		MetricStream Universal Installer - [
		Version - 6.1.1.0 Alpha]
		Press ENTER to use the property file from
		default location OR provide the fully qualified
		path of the property file: [ENTER]
		Next, system will prompt for the properties file as:
		Input: Enter Oracle Schema Password
		(Invisible)::
-help	View the version num- bers and available options for installation.	<pre>(INVISIBLE) :: usage: ./MS_Universal_Installer.sh [-f] [- health] [-help] [-i] [-p</pre>

The following table provides the commands and its descriptions.

Command	Use this Command to	Usage
-s <system password > -p <schema password > -f</schema </system 	Run the installers in silent mode.	Use this command to install individual applications. If you want to install any application, copy the installers or jars to MetricStream Installation directory\MS_Installers directory. Make an entry (installer name with extension) in the Installer_List.txt file in the order in which the mod- ules need to be installed before initiating the installation process. If the schema password is not entered in the command line, then the system will prompt for the schema pass- word. The output for the command is given below: MS_Universal_Installer>MS_universal_Installe r -p MetricStream Universal Installer - [Version - 6.1.1.0 Alpha] Input: Enter Oracle Schema Password (Invisi-
-p <schem- apass- word>-F and -s</schem- 	Run the GRCG platform and application installers in silent mode.	 -p <schemapassword> -f option is used for force installation of modules. (that is, reinstall even if the application is successfully installed earlier).</schemapassword> -p <schemapassword> -s option perform a silent installation of the modules specified in the Installer_list.txt file. Copy the installers or jars to MetricStream Installation directory\MS_Installers directory. Make an entry (installer name with exten- sion) in the Installer_List.txt file in the order in which the modules need to be installed before initiating the installation process. The system will prompt the user for the schema password.</schemapassword> Next, system will prompt for the properties file as shown below: Press ENTER to use the property file from default location OR provide the fully qualified path of the property file: [ENTER] After choosing -s option the system allows the user to perform the following administrate related activities: If the system prompts the user to enter the system password as shown below: .\MS_Universal_Installer>MS_universal_Install er.bat -s MetricStream Universal Installer - [Version - 6.1.1.0 Alpha] Input: Enter Oracle System Password (Invisi- ble):: O System prompts for the properties file as shown below:

Command	Use this Command to	Usage
		 If -p option and schema password is not available on the command line along with -p, then the system displays the message to the user for providing valid schema password. If valid system password and schema password is entered, and if MSUI cannot find the schema in the database mentioned, then the system will prompt the user as shown below:
		Install Apache and Tomcat? [y/n]: y Configure Apache and Tomcat? [y/n]:
		Configure Database? [y/n]: y
		Install the Applications? [y/n]: y
		CONFIRM : Are you sure ? [Y/N]: y



For more information on command options, refer to the below table.

Command Options

The following table provides information on the command options. These options enables you to install Apache, Tomcat, and configure the database. The entries in the Installer_List.txt contain the list of modules to be installed. The installer performs a validation of the data provided and you can view the results at MetricStream Installation directory\MS_Universal_Installer\HealthCheck_xxx(time-stamp).html.

Option	Description
Install Apache and Tomcat? [y/n]	 Y: To install Apache, select this option N: To skip installation of Apache, select this option.
Configure Apache and Tom- cat? [y/n]	 Y: To install Tomcat, select this option N: To skip installation of Tomcat, select this option.
Configure Database? [y/n]	 Y: If you want the installer to perform the database configuration, select this option. N: If you do not want the installer to perform the database configuration, select this option. Note: You can use the option y where the database configuration is yet to be done.

Option	Description
Install the Applications? [y/ n]	 Y: To install selected applications, select this option. N: To skip installation of selected applications, select this option.
	<i>Note:</i> To install any application, copy the installers or jars to Metric-
	Stream Installation directory\MS_Installers directory. Make an en-
	try (installer name with extension) in the Installer_List.txt file in the
	order in which the modules need to be installed.
CONFIRM: Are you sure? [Y/ N]	 Y: To confirm the choice and continue the installation, select this option. N: To reenter the choice and cancel the installation, select this option.

Using the MSUI-GUI Interface

You can install the EGRCP and other applications using the MSUI interface. To perform tasks using the GUI installation, you need to use Xmanager or any other tool which supports Linux GUI based installation.





Figure 3: MSUI Interface

Option Screen Number	Use this Option to
01	Configure the Database
02	Configure the GRC platform.
03	Install and configure the Tomcat server.
04	Configure the Web server.
05	Install the selected applications.

The **MSUI** interface comprises the following options.

Database Configuration

Use the **Database Configuration** screen to provide the database configuration details. You must provide the valid database details in this screen. The following table provides the fields of this screen.

MSUI		
CONFIGURE INSTALL	CREATE OTHER	
Database	Configuration	
DATABASE	URL	DATABASE DRIVER
jdbcoracle	ethin:@localhost1521.ord	oracle.jdbc.OracleDriver
SYSTEM PA	SSWORD	
SCHEMA U	SER NAME	
6UILD71		
SCHEMA PASSWORD		CONFIRM SCHEMA PASSWORD
DATA TABL	ESPACE NAME	DATA TABLESPACE LOCATION
BUIL071_DATA		E/\app\balmukund.gupta\product\112.0\dbhome_1
INDEX TAB	LESPACE NAME	INDEX TABLESPACE LOCATION
8U8L071_JDX		E:\app\balmukund.gupta\product\112.0\dbhome_1
TEMP TABL	ESPACE NAME	

Figure 4: Database Configuration Screen

Field Name	Type the
Database URL	URL of the target DB. Example: jdbc:oracle:thin:@localhost:1521:orcl
Database Driver	Driver of the database. Example: oracle.jdbc.OracleDriver
System Password	Password for the DB system.
Schema User Name	Name of the DB schema that you want to create.
Schema Password	Password of the DB schema that you want to create.
Confirm Schema Password	Re-enter the same password entered in the Schema Password field.
Data Tablespace Name	Name of the tablespace that you want to create.
Data Tablespace Location	Physical location of the DB tablespace.
Index Tablespace Name	Name of the index tablespace that you want to create.
Index Tablespace Location	Physical location of the index tablespace.
Temp Tablespace Name	Name of the temp tablespace.
Default Locale	Default language that needs to be considered.

EGRCP Configuration

Use the **Configure GRC Platform** screen to configure the GRC platform. The information provided in this screen is used by MSUI to configure EGRCP whenever it is installed or upgraded.

Field Name	Description
Deployment Type	Displays the value "Single Node Deployment".
Use Secure Installation	Yes: If you want to secure the installation, select this option. No: If you do not want to secure the installation, select this option.
Min Heap Size	Type the minimum heat size. Example: 256m
Max Heap Size	Type the maximum heat size. Example: 1024m
Enterprise Name	Type the Enterprise name. Example: MetricStream <i>Note: 'ECP' must not be provided as the Enterprise Name.</i>
Webserver Admin Email	Type the e-mail ID of the admin server. Example: abcd@metricstream.com
Webserver Domain Name	Type the name of the domain web server. Example: msi-I1234.metricstream.com
Work Flow Host Name	Type the workflow host name. Example: msi-I1234.metricstream.com
Agent Port Number(SQL Infolet)	Type the port number for SQL infolet. Example: 8277
Agent Port Number(Non-SQL Infolet)	Type the port number for non-SQL infolet.
Web Service Port Number	Type the port number of the web server. Example: 8279
Log Directory	Type the name of the directory where MSUI needs to record the logs.

Web Sever Configuration

Use the **Web Sever Configuration** screen to configure the Apache web server. The following table provides the fields of this screen.

MSUI	MetricStream Universal Installer Version: 6.1.1.0			×
CONFIGURE INSTALL	CREATE OTHER			
Web Serve	er Configuration			
WEB SER min-0.11 WEB SER 8055	VER HOST NAME REmetricitiesm.com VER PORT NUMBER	WEB SERVER SERVICE NAME MSApache25		
			CANCEL SAVE	CONTIQUE
MetricStream			@ 2014 MetricStream Inc.	All Rights Reserved.

Figure 5: Web Server Configuration

Field Name	Type the
Web Server Host Name	Name of the host server. Example: msi-l1234.metricstream.com
Web Server Service Name	Name of the Apache server that needs to be created. Example: MSApache25
Web Server Port Number	Port number of the Apache server that needs to be created. Example: 8055

Application Server Configuration

Use the **Application Sever Configuration** screen to configure the Tomcat application server. The following table provides the fields of this screen.

MSUI		
CONFIGURE INSTALL (REATE OTHER	
Application	n Server Configuration	
Use load ba	ancing?	
🔘 Yes 🔅) No	
TOMCAT	#1 CONFIGURATION TOMCAT #2 CONFIGURATION TO	MCAT #3 CONFIGURATION
TOP	ACAT CONNECTOR PORT (AJP)	TOMCAT CONNECTOR PORT (HTTP)
82	17	8218
тоя	ACAT CONTROL PORT	APPLICATION SERVER HOST NAME
82	19	msi-II102.metricstream.com
тот	ACAT SERVICE NAME	
M	Apache25	
		CANCEL SAVE CONFIGURE

Figure 6: Application Server Configuration Screen

Field Name	Description
User Load balancing?	 This field has the following option buttons: Yes: If you want to distribute the data load across multiple computing resources, select this option. No: If you do not want to distribute the data load across multiple computing resources, select this option. Note: Load balancing optimizes resource use, maximize throughput, minimize response time, and avoid overload of any one of the resources.
Tomcat Connector Port(AJP)	Type the unique port that is used for connecting Tomcat with Apache server. Example: 8217
Tomcat Connector Port(HTTP)	Type the unique port number for Tomcat to listen to HTTp requests. Example: 8218
Tomcat Control Port	Type the unique control port number for the Tomcat server. Example: 8219

Field Name	Description
Application Server Host Name	Type the host name of the sever where you want to host the Tom- cat server. Example: msi-l1234.metricstream.com <i>Note:</i> This field is made unavailable if you select the value No in the User Load balancing? field.
Tomcat Service Name	Type the name of the Tomcat host service. Example: MSTomcat25 <i>Note: This field is made unavailable if you select the value No in the</i> <i>User Load balancing? field.</i>

Install Modules

Use the **Install Modules** screen to install the GRC platform and other applications. This screen comprises the following panes:

- Available Installers
- Selected Installers

Available Installers Pane

The **Available Installers** pane shows the list of Installers that are available. You need to place the installers in the ms_installer folder of the MSUI. You can use WinScp to copy the required installers.

Click the **Install** >> **Modules** option on the Tool bar to populate the list of available installers in this pane.

The following table provides the list of buttons available in this pane.

Button	Use this Button to
»	Move all the available installers from the Available Installer pane to the Selected Installer pane.
3	Move the selected installers from the Available Installer pane to the Selected Installer pane.
3	Move the selected installers from the Selected Installer to the Available Installer pane to pane.
	Move all the selected installers from the Selected Installer to the Available Installer pane to pane.

Selected Installers Pane

The **Selected Installers** pane shows the list of Installers that you have choosen. You need to use the buttons available in the Available Installers pane to move the required installers that you want to install. You can also define the sequence in which you want to install the applications in this pane. The following table provides the list of buttons available in this pane.

Button	Use this Button to
	Move the selected installer to the top.
	Move the selected installer upwards.
	Move the selected installer downwards.
	Move all the selected installers to the bottom.

MSUI Interface Buttons

The **MSUI** user interface include common buttons. The following table provides the a list of buttons and their descriptions.

Button	Use this Button to
CANCEL	Discard the entered details and close the screen. Note: After clicking this button, the MSUI start screen appears.
SAVE	Save the details entered in the screen. Note: After clicking this button, the MSUI start screen appears.
CONFIGURE	Configure or Install the application or server.

Pointers After Installing EGRCP and Other Applications

The below points are to be considered after you install EGRCP and other applications using the command line interface (CLI):

- After installation you can view all the configuration parameters for the application at MetricStream Installation directory\MS_Universal_Installer\msui\msuiConfig.xml.
- Generate fresh license keys and copy them to MetricStream Installation directory\SYSTEMi\Systemi\keys folder.

Appendix

The following section provides information on the Parameters.properties file.

#DATABASE Parameters

Comment	Description
DatabaseHostName =	Host name of the database server
DbPort =1521	Database port
Sid=	Database name of the INSTANCE.
Oracle_Client=thin	Value as thin/ thick Oracle client [default thin]
SchemaName=	Schema Name for Metricstream Application.
TableSpace_Data=	Data Tablespace name only
TableSpace_IDX=	Index Tablespace name only
TableSpace_Idx_Location=	Complete path to the <i>TableSpace_IDX</i> without tablespace name
TableSpace_Data_Location=	Complete path to the <i>TableSpace_Data</i> without table space name
TableSpace_Temp=TEMP	Use value TEMP tablespace name
EnterpriseName=	Enterprise name for Metricstream Application
Locale=en_US	Default locale
DataBaseDriverName=ora- cle.jdbc.OracleDriver	The driver class for database connection
JdbcExecutionFlag=No	Whether the JDBC connection needs to be used for running Data- base scripts or not

#APACHE Parameters

Comment	Description
Deployment_Type=Single	Single / multi node deployment [default single]
HostName=	Metricstream application host name
WebServer_HostName=	MetricStream Web server Name
Admin_Email=	admin email id to be used
Webserver_Port=8085	Metricstream application host name
WorkFlow_HostName=	Host name
Sql_AgentPort=8274	Metricstream application host name
NonSql_AgentPort=8278	Metricstream application host name
Secure_Option=No	Metricstream application host name
Java_Min_HeapSize=256m	Minimum value for the heap size to be used by JVM

Comment	Description
Java_Max_HeapSize=1024m	maximum value for the heap size to be used by JVM
WebService_Port=8201	web service port number

#Tomcat Parameters

Comment	Description
AjpPort=8202	AJP connector port
HttpPort=8203	Http port to be used by the application
CtrlPort=8204	Control port Number
Tomcat_ApplicationHostNam e=	MetricStream Tomcat Hostname

#Apache Tomcat Service Names

Comment	Description
ApacheServiceName=	Service name for Apache
TomcatServiceName=	Service name for Tomcat

#ECP Logs

Comment	Description
EcpLogsDirectory=	Complete path to the directory where the logs should be gener- ated

Xmanager

The Xmanager is a powerful and easy-to-use PC X server software program that runs on a Windows platform. It allows you to bring remote UNIX/Linux desktops to your Windows PC seamlessly. You can also run remote X applications securely through the SSH (Secure Shell) protocol even when your Windows PC is inside a private network and a firewall is between your PC and the remote server. The Xmanager incorporates a variety of new features such as multiple server profiles, multi-visual, multi-monitor support, multi-user configuration, multiple XDMCP sessions and SSH security enhancement. It offers many advanced options to meet the needs of professional users and also has been designed as simply as possible for beginners. For more information, refer to http://www.netsarang.com/docs/xmanager30_manual.pdf.

PuTTY

PuTTY is a free software application for various operating systems which can be used to make an SSH connection to your server.