

A dark blue vertical bar runs down the left side of the page. A blue arrow points to the right from this bar, containing the date.

28/4/2020

Emergency Response Plan Management Software

User Manual

Several thin, curved lines in dark blue and light grey originate from the bottom left corner and sweep upwards and to the right, creating a sense of movement and design.

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Installation

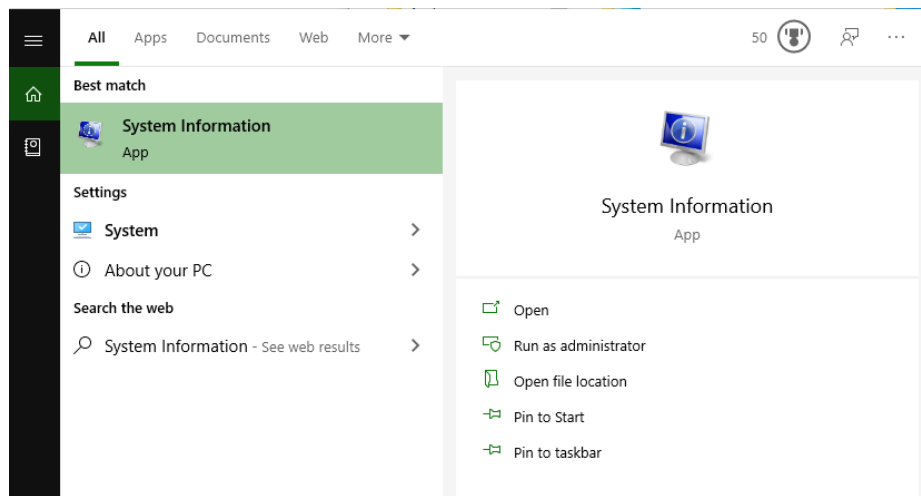
Installing the Java Runtime Environment

These installation instructions apply to Microsoft Windows 10. Other operating systems may vary, including earlier versions of windows.

This application requires a Java Runtime Environment (JRE) at least version 8. To download and install the JRE, follow the steps outlined below.

Checking your system specifications

To check whether your machine requires the 32bit or 64bit¹ installation, use the search bar to find “System Information”.



To determine what version you require, look for the “System Type” item. Next to it you will find either x32 or x64 based PC. You should pick a JRE that matches this number.

Item	Value
OS Name	Microsoft Windows 10 Home
Version	10.0.17763 Build 17763
Other OS Description	Not Available
OS Manufacturer	Microsoft Corporation
System Name	DESKTOP-SG0DHRN
System Manufacturer	To Be Filled By O.E.M.
System Model	To Be Filled By O.E.M.
System Type	x64-based PC
System SKU	To Be Filled By O.E.M.
Processor	AMD Ryzen 5 3600 6-Core Processor, 3600 Mhz, 6 Core(s), 12 Logical Proces...
BIOS Version/Date	American Megatrends Inc. P1.40, 12/08/2019
SMBIOS Version	3.2
Embedded Controller Version	255.255
BIOS Mode	UEFI
BaseBoard Manufacturer	ASRock
BaseBoard Product	X570 Phantom Gaming 4
BaseBoard Version	

¹ All machines will function using the 32bit JRE, but if your machine can use the 64bit it is recommended you do so as this allows for better performance.

Downloading the JRE

The JRE can be downloaded at <https://www.java.com/en/download/manual.jsp>. If you have a 32bit operating system, chose “Windows Online” (or “Windows Offline” if you have an unstable internet connection or no internet”. If you have a 64bit operating system, select the “Windows Offline (64-bit)” download. Specific instructions for installing each of the versions are linked next to the download button, it is recommended you follow them for the quickest installation experience.

Installation the ERP Management Software

To install the application, locate the ERPManager.jar file included with your download. It is recommended to move the ERPManager.jar file into its own folder, as the installation will create new files in the same directory. Run this file, and the application will automatically begin setup. Note that the first launch will take longer than any subsequent launches, as required files and databases are set up.

Setting the Administrator Password

This application includes security to prevent unauthorised changes to emergency response plans. You will be prompted to set the administrator password on the first launch. Ensure you make it memorable and take a note of it, as if it is lost you will be unable to recover it.

Changing the Administrator Password

Changing the administrator password requires advanced technical knowledge, and it is not recommended to attempt to change it unless you know what you are doing. You will require the old password to complete this procedure

1. Run command prompt as administrator
2. Navigate to the directory where your “ERPManager.jar” file is located (`cd C:\Admin\ERPManager\` for example)`
3. Enter `java -jar ERPManager.jar newpass``. This will launch the application and give you a prompt to enter the old password
4. Enter your new password, then confirm it
5. A message should confirm that the password has been changed. The application will automatically close, you should then restart it via the normal launch process (running the ERPManager.jar file)

Using the Application

After completing the above sections, your application is now ready to use. If the application is not open, you can do so by double clicking the “ERPManager.jar” file wherever you have it saved. Once open, the application will default to the highest-level site view. From there you can navigate using the blue buttons overlaid on the map.

Accessing an Emergency Response Plan

After navigating to the area in which an emergency has occurred, you can click on the on-screen buttons to load the plan. The plan will automatically load in the system’s default application (usually Chrome or Adobe Acrobat.

Printing an Emergency Response Plan

The application which the plan loads in will have functionality to print. For most users, using the CTRL+P shortcut will bring up the print menu.

Changing an Emergency Response Plan

To change a plan, first load the ERP you wish to change (if no ERP has been set for that area, you will be prompted straight away to add one). Once you have opened the ERP you wish to change, you can click the “Change ERP” button on the right-hand side of the window to change it. You will require the administrator password to do this.

To double check which ERP, you are changing, you can hover over the “Change ERP” button to check.

Advanced

The sections in this part of the manual are to be used by experienced developers and not intended for use by the end user. This part of the manual contains procedures which may irreversibly break the application if not properly used, which will require a full reinstallation (loss of all ERPs).

Entering Debug Mode

The application has a debug mode which will open the Java console and print out helpful information. To activate it, use the command prompt

1. Run command prompt as administrator
2. Navigate to the directory where your “ERPManager.jar” file is located (`cd C:\Admin\ERPManager\` for example)
3. Enter `java -jar ERPManager.jar debug``. This will launch the application in debug mode.

Backing up the Internal Database

The internal database contains the UI pages, the Emergency Response Plans and the administrator password. It is recommended that you back it up regularly to avoid losing any of this data. To do this, simply navigate to the directory where the ERPManager.jar file is located and find the `erp_manager` folder. Create a copy of this folder in a safe location to back it up. For information on good practices on backing up your data, visit this link:

<https://www.liquidweb.com/blog/top-six-best-practices-for-data-backup/>

Resetting the Internal Database

To reset the database to the original state, launch the program from the command line with the ``resetdb`` launch argument. This will remove all ERPs and the administrator password.

Restoring a Database Backup

To restore a backup of the database, make sure the backup is named ``erp_manager`` exactly, then move it into the same directory as the ERPManager.jar file.

Error Codes

The application uses the following error codes throughout.

Code	Enumeration Name	Description
Generic Codes		
0000	OK	The operation performed without exception
0001	ERROR	An unknown error has occurred
Database Codes		
DB001 ²	CONNECT_FAIL	The application could not connect to the database due to an unknown reason
DB002	CONNECT_TIMEOUT	The connection to the database timed out
DB003	NO_DRIVER	The EmbeddedDatabase driver could not be found
DB004	DUPLICATE_KEY	The statement was aborted as it would have created a duplicate key in a primary key or unique key constraint
42X01	SYNTAX_ERROR	There is an error in your SQL syntax
XJ015	SHUTDOWN_OK	The database shutdown successfully
X0Y32	VAL_EXISTS	The value you are trying to create/insert already exists (i.e. table or column already exists)
Validation and Misc.		
VAL001	BAD_TYPE	The object is of the wrong type
VAL002	NO_PDF	Only PDF objects can be uploaded
VAL003	BYTE_ARRAY_ERROR	A byte array transform failed
VAL004	CORRUPT_ERP	The ERP could not be converted to a PDF format, this probably means it is corrupt.
VAL005	FILESIZE_LIMIT	The selected file is too large (Max size is 2048MB)

² This error may be fixed by ensuring only 1 instance of the application is open at any time