



## SafeGuard LM 6.5 System Requirements

Welcome to SafeGuard LM. SafeGuard LM is a comprehensive software license management system for small to large businesses. Our system supports native API calls for C, C++, C#, Java, Python, Objective C, PHP 7, FORTRAN, MetaTrader 4, Perl, AutoHotKey and VB.NET including example code for these languages.

This document shows the minimum system and software requirements by platform for this release.

## **Windows: (32-bit/64-bit)**

- Windows 7
- Windows 8
- Windows 10

## **Java Developers:**

- JRE 8u271
- JDK 8u271

## **Cython Developers:**

- Cython 0.29.21

## **Python Developers:**

- Python 3.6.8, 3.7.8 or 3.8.6

**Note: You may need to build from Python sources.**

## **C / C++ Developers:**

- Visual Studio Express 2015, 2017, 2018 or 2019

## **FORTRAN Developers:**

- gfortran 6.3.0
- Intel Fortran 18.0 (XE 2018)

## **VB.NET Developers:**

- Visual Studio Express 2015, 2017, 2018 or 2019

## **MetaTrader 4 Developers:**

- Visual Studio Express 2015, 2017, 2018 or 2019

## **AutoHotKey Developers:**

- v1.1.33.02

## **MacOS: (64-bit)**

- MacOS 10.14.6 (Mojave)
- MacOS 10.15.7 (Catalina)

## **Java Developers:**

- JRE 8u144
- JDK 8u144

## **Cython Developers:**

- Cython 0.29.5

## **Python Developers:**

- Python 3.6.8, Python 3.7.8 or Python 3.8.6

**Note: You may need to build from Python sources.**

## **Perl Developers:**

- ActivePerl v5.24.3

## **C / C++ Developers:**

- gcc x86\_64-apple-darwin18.7.0

## **PHP 7 Developers:**

- PHP 7.1.11

## **FORTRAN Developers:**

- gfortran 6.3.0
- Intel Fortran 18.0 (XE 2018)

## **Linux Intel: (32-bit/64-bit)**

**NOTE: GLIBC 2.23 or higher is required.**

To check the version of GLIBC from a Terminal window use the command: `ldd --version` (two dashes)

### **Java Developers:**

- JRE 8u212 (32 bit)
- JDK 8u212 (32 bit)
- JRE 8u222 (64 bit)
- JDK 8u222 (64 bit)

### **Cython Developers:**

- Cython 0.23.4

### **Python Developers:**

- Python 3.6.8, Python 3.7.8 or Python 3.8.6

**Note: You may need to build from Python sources.**

### **Perl Developers:**

- Perl v5.22.1

### **C / C++ Developers:**

- gcc 5.4.0

### **PHP 7 Developers:**

- PHP 7.0.33

### **FORTRAN Developers:**

- gfortran 5.4.0
- Intel Fortran 18.0 (XE 2018)

## **Linux Intel: (64-bit)**

### **Support for older GLIBC 2.11.1**

We have a Linux 64 bit release that supports GLIBC 2.11.1 if you require this.

To check the version of GLIBC from a Terminal window use the command: `ldd --version` (two dashes)

### **Java Developers:**

- JRE 6u27
- JDK 6u27

### **Cython Developers:**

- Cython 0.23.4

### **Python Developers**

- Python 2.7.5

**Note: You may need to build from Python sources.**

### **Perl Developers:**

- Perl v5.10.1

### **C / C++ Developers:**

- gcc 5.4.0

### **PHP 7 Developers:**

- PHP 7.1.11

### **FORTRAN Developers:**

- gfortran 4.4.3

## **Linux ARM: (32-bit)**

Linux ARMv7l (ell) 32 bit version.

**NOTE: GLIBC 2.24 or higher is required.**

To check the version of GLIBC from a Terminal window use the command: `ldd --version` (two dashes)

### **Java Developers:**

- JRE 8u165
- JDK 8u165

### **Cython Developers:**

- Cython 0.23.4

### **Python Developers:**

- Python 3.6.8, Python 3.7.8 or Python 3.8.6

**Note: You may need to build from Python sources.**

### **Perl Developers:**

- Perl v5.24.1

### **C / C++ Developers:**

- gcc 6.3.0

### **PHP 7 Developers:**

- PHP 7.0.33

### **FORTRAN Developers:**

- gfortran 5.4.0

## **Linux ARM: (64-bit)**

Linux ARMv8-A 64 bit version

**NOTE: We build on Ubuntu 19.10 for 64 bit ARM.**

**NOTE: GLIBC 2.30 or higher is required.**

To check the version of GLIBC from a Terminal window use the command: `ldd --version` (two dashes)

### **Java Developers:**

JRE 8u242

JDK 8u242

### **Cython Developers:**

Cython 0.29.10

### **Python Developers:**

Python 3.6.8, Python 3.7.8 or Python 3.8.6

**NOTE: You may need to build from Python sources.**

### **Perl Developers:**

Perl 5.28.1

### **C / C++ Developers:**

gcc 9.2.1

### **PHP 7 Developers:**

PHP 7.3.11

### **FORTTRAN Developers:**

gfortran 9.2.1