

# PGP Encryption Decryption Tool Guidelines

## Introduction

The purpose of developing this tool is to encrypt and decrypt messages using PGP.

## Installation

1. This desktop application runs on Java platform **Java 1.7+**.
2. This tool is developed in Java so we need to have Java JDK and JRE installed in our system.
3. Once JAVA JRE is installed, we need to follow the below steps in order to run this tool.
4. Package required – **jce\_policy\_6.zip** or **jce\_policy\_7.zip**
  - This zip file contains **Java Cryptography Extension (JCE) Unlimited Strength Jurisdiction Policy** files. These files need to be installed in a local system directory where JDK version has been installed.
  - Path to the directory - ...**Jdk\_path/jre/lib/security/**
  - Under **security** folder, the above zip file needs to be extracted in order to run the application smoothly.
5. Place the **bcpg.jar** and **bcprov.jar** files to the path : .../**jdk path/jre/lib/ext**
6. Create executable jar file as **PGPEncryptionDecryption.jar**.
7. Open Run.bat file in a text editor to change the Java JRE Library path as shown below.  

```
start "" "C:\jdk\jre\bin\javaw.exe" -jar "<path_to_application>/PGPEncryptionDecryption.jar"
```
8. Save Run.bat file and then double click on Run.bat to run the application.