**CIS 480 Project – Injection 5**

**Injection**

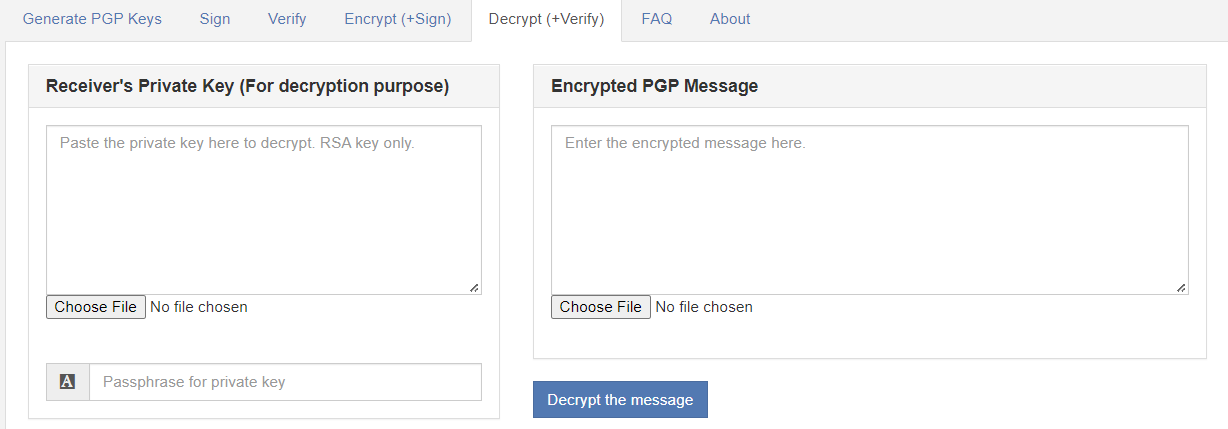
* Well done, team! It has been reported that you discovered mysterious files on the e-commerce server and transferred these to Kali successfully.
* Using the information in the files, find a treasure in the image file.
* Ignore *GoodData-e.txt* file you transferred from the e-commerce server.
* Use the following file for the instruction for Injection 5: *0x8F6568A3-pub.asc.encrypted.txt*. This file is posted on BB Injection 5. You need to download the private key as well from BB Injection 5.

**Tutorials**

* A private and public key pair was created using RSA algorithm on a site that offers generation of PGP keys ([pgptool.org](https://pgptool.org/)). The instruction for Injection 5 is encrypted with the public key and you need to use the private key to decrypt.
* What is Pretty Good Privacy (PGP)?
* <https://en.wikipedia.org/wiki/Pretty_Good_Privacy>

**Steps**

* Go to [pgptool.org](https://pgptool.org/). You will see the webpage shown below.
* Import the privake key.
* Import the encrypted message.
* Enter the passphrase: *louisville*.
* Click on **Decrypt the message**.
* Use the decrypted message for the next steps.



* Provide a screenshot of the decrypted message on [pgptool.org](https://pgptool.org/).
* Explain the process of treasure discovery.
* Provide screenshots of the commands you used along the way.
* Show the treasure in a screenshot.

**Response to Injection 5**

1. Team members: *Addison Phillips, Ryan Spillman, Noah Leon.*
2. Address the above requirements.

After watching the video founded in the decrypted file, we downloaded Steghide and Steghide cracker. We then were able to run steghide through the directories. One of the files that were transferred from the E-Comm server was the dictionary for password cracking. We then were able to crack the balloons image in order to find the treasure, the credit card!

Graphical user interface, text

Description automatically generated

Text

Description automatically generated

Graphical user interface, text, application, email

Description automatically generated

## Logistics

|  |  |  |
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| **Injections** | **Post** | **Due (midnight)** |
| Injection 1 – Introduce the team | Mon, 7th | Tue, 8th |
| Injection 2 – Scan the network | Tue, 8th | Wed, 9th |
| Injection 3 – Break into the target | Wed, 9th | Fri, 11th |
| Injection 4 – File transfer | Wed, 9th | Fri, 11th |
| Injection 5 – Treasure hunt | Thur, 10th | Sat, 12th |