

Group#8

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Ransomware Type Selected: Crypto Ransomware (AES)

File to create: File-encrypting ransomware using AES encryption

AES 128 bit key

As discussed earlier, we are using Python code to implement Crypto Ransomware. We are converting the python code from .py to .exe file as the target machine would be a Windows machine.

To convert the python code to .exe file we have used pyinstaller.

Command to install : pip install pyinstaller

Once the tool is installed, we ran the following command to convert.

pyinstaller --onefile --noconsole aes-2.py

```
PS C:\Users\rashm\Downloads> pyinstaller --onefile --noconsole aes-2.py
185 INFO: PyInstaller: 6.12.0, contrib hooks: 2025.2
185 INFO: Python: 3.11.7
202 INFO: Platform: Windows-10-10.0.26100-SP0
202 INFO: Python environment: C:\msys64\mingw64
203 INFO: wrote C:\Users\rashm\Downloads\aes-2.spec
209 INFO: Module search paths (PYTHONPATH):
['C:\\msys64\\mingw64\\bin\\pyinstaller.exe',
 'C:\\msys64\\mingw64\\lib\\python311.zip',
 'C:\\msys64\\mingw64\\lib\\python3.11',
 'C:\\msys64\\mingw64\\lib\\python3.11\\lib-dynload',
 'C:\\msys64\\mingw64\\lib\\python3.11\\site-packages',
```

This gave us .exe file under dist folder in the downloads.

Downloads > dist				
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This application can be renamed as Budget and can be attached to an email and be sent to the victim so that they can download and run this application which will encrypt their files.

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