ooxml-checker

Console application to perform checks against modern Office documents in XML format (ooxml).

Running

Some malware use a single XML document that holds all of the Office component files. If this is the case then run with the **-n** flag (No unzip)

```
./ooxml-checker -i Untitled-EUG-M51083.doc -o . -n
```

```
./ooxml-checker -i Doc1.docx -o .
```

When processing a standard Office document, a folder is created with the specified output folder. The documents file name (no ext) is used as the new folder name

Processing

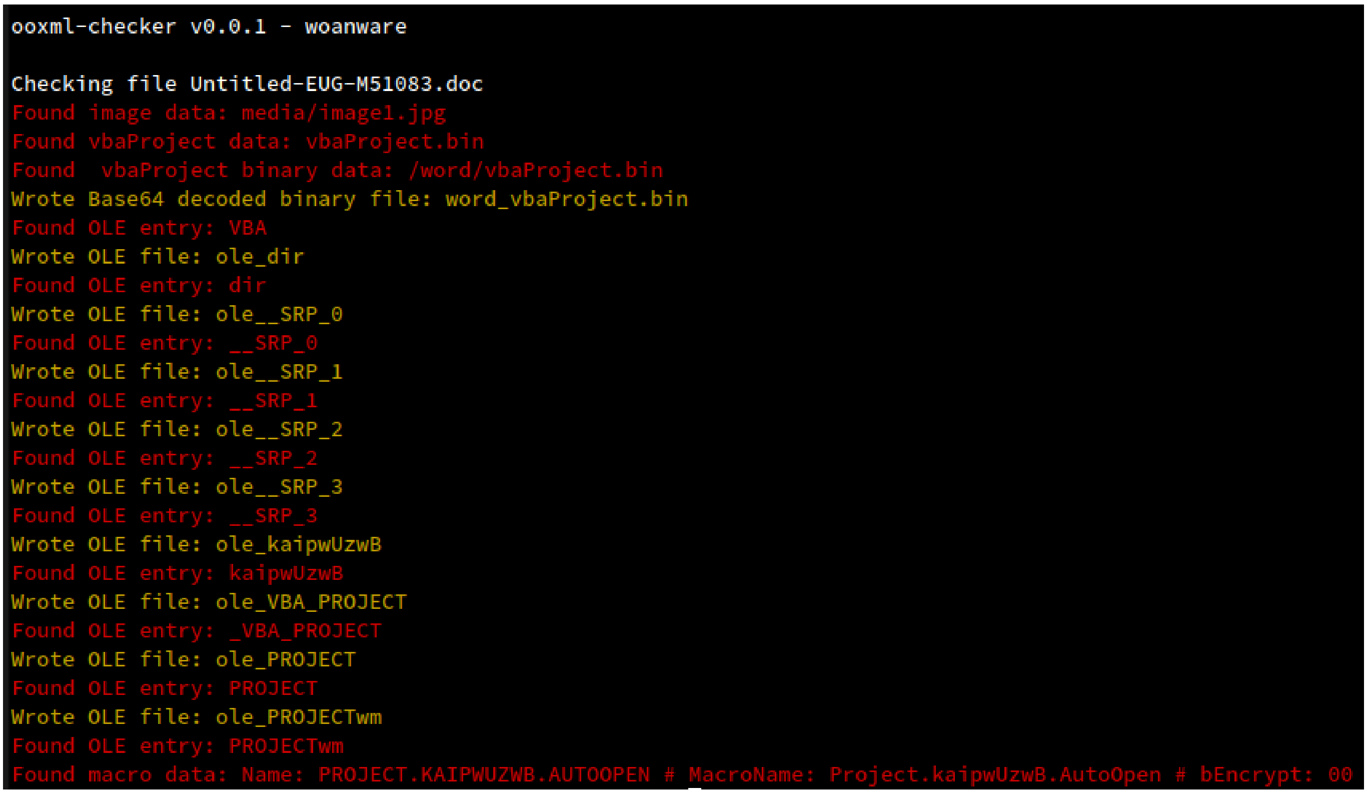
If binary data or VBA projects are encountered, the data is Base64 decoded and written to it's own file if required. Both binary and VBA project data is parsed using an OLE parser and any items identified are written to separate files, using the OLD item name as the file name

Checks

- Images
- Audio
- Hyperlinks
- VBA
- Binary Data
- Macro
- DDE

Screenshot

The screenshot below shows the output when running against an Emotet infected Word document.



```
ooxml-checker v0.0.1 - woanware

Checking file Untitled-EUG-M51083.doc
Found image data: media/image1.jpg
Found vbaProject data: vbaProject.bin
Found  vbaProject binary data: /word/vbaProject.bin
Wrote Base64 decoded binary file: word_vbaProject.bin
Found OLE entry: VBA
Wrote OLE file: ole_dir
Found OLE entry: dir
Wrote OLE file: ole__SRP_0
Found OLE entry: __SRP_0
Wrote OLE file: ole__SRP_1
Found OLE entry: __SRP_1
Wrote OLE file: ole__SRP_2
Found OLE entry: __SRP_2
Wrote OLE file: ole__SRP_3
Found OLE entry: __SRP_3
Wrote OLE file: ole_kaipwUzwB
Found OLE entry: kaipwUzwB
Wrote OLE file: ole_VBA_PROJECT
Found OLE entry: _VBA_PROJECT
Wrote OLE file: ole_PROJECT
Found OLE entry: PROJECT
Wrote OLE file: ole_PROJECTwm
Found OLE entry: PROJECTwm
Found macro data: Name: PROJECT.KAIPWUZWB.AUTOOPEN # MacroName: Project.kaipwUzwB.AutoOpen # bEncrypt: 00
```