
Subject: Re: Protect package - A starting copy protection system

Posted by [Tom1](#) on Thu, 07 Jun 2018 11:16:16 GMT

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Hi Max,

Here's the last stretch of ProtectEncrypt with added automatic 32/64-bit Windows PE machine type detection and respective XED configuration. Works with MSBT17/MSBT17x64 on Windows.

```
Cerr() << "ENCRYPTION KEY : " << HexString(key) << "\n";
```

```
// loads file into buffer
String fName = CommandLine()[0];
if(!FileExists(fName))
{
    Cerr() << "File " << fName << " not found\n";
    return;
}
FileIn f(fName);
dword size = (dword)f.GetSize();
Buffer<byte>buf(size);
f.GetAll(buf, size);
f.Close();
```

```
#ifdef WIN32 // Tom added
int coffindex=*(unsigned int*)&buf[0x3c];
unsigned short machine=*(unsigned short*)&buf[coffindex+4];
switch(machine){
```

```
case 0x14c: //i386
    Cout() << "Processing 32-bit i386 executable\n";
    XED.Set32bitMode();
    break;
```

```
case 0x8664: // AMD64
    Cout() << "Processing 64-bit AMD64 executable\n";
    XED.Set64bitMode();
    break;
```

```
default:
    Cout() << "Unknown executable - Cannot process\n";
    return;
```

```
}
```

```
#endif
```

```
// encrypt the application
CryptBuf(buf, buf + size, key);
```

```
// save the encrypted file
FileOut fOut(fName);
```

```
fOut.Put(buf, size);

// sets up exit code
SetExitCode(0);
```

Please merge, if this looks OK to you.

Best regards,

Tom
