

一个img文件-实验吧

原创

Gunther17 于 2017-08-12 13:14:36 发布 5818 收藏

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一个img文件

请恢复里面内容

解题链接：<http://ctf5.shiyanbar.com/360/data.7z>

解：

PartitionGuru属于DiskGenius的国外版本，从4.8版本开始，

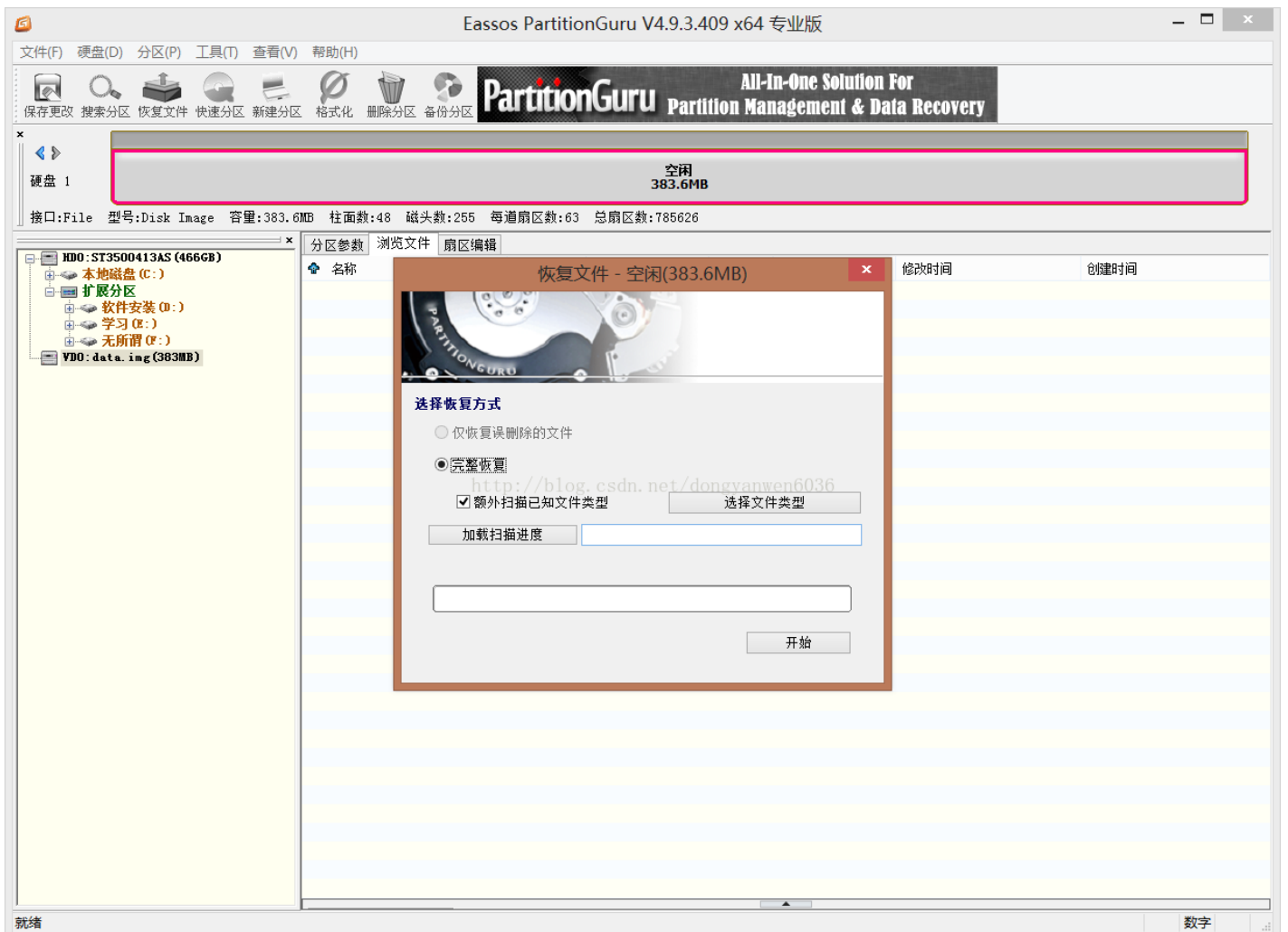
其实PartitionGuru和DiskGenius除了语言文件和主程序不同外，其余文件和功能基本相同。

下载的是一个.img格式文件，img格式是镜像的一种。题目提示恢复数据，搜一下来个工具恢复。

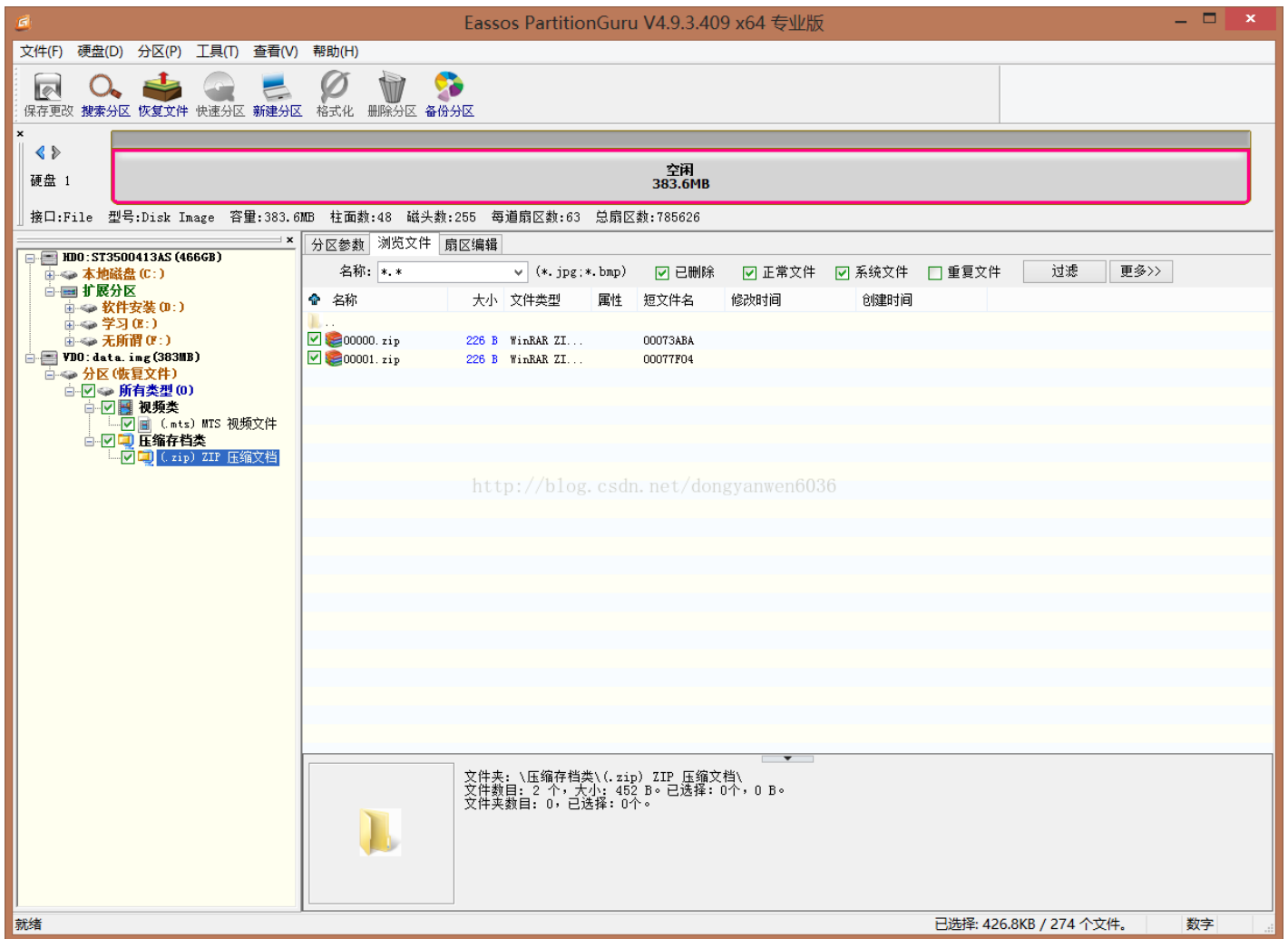
我用partitionGuru:

1.解压得到data.img,打开软件=>硬盘=>打开虚拟硬盘文件=>选择data.img

2.选择data.img(383M)===>恢复文件如图



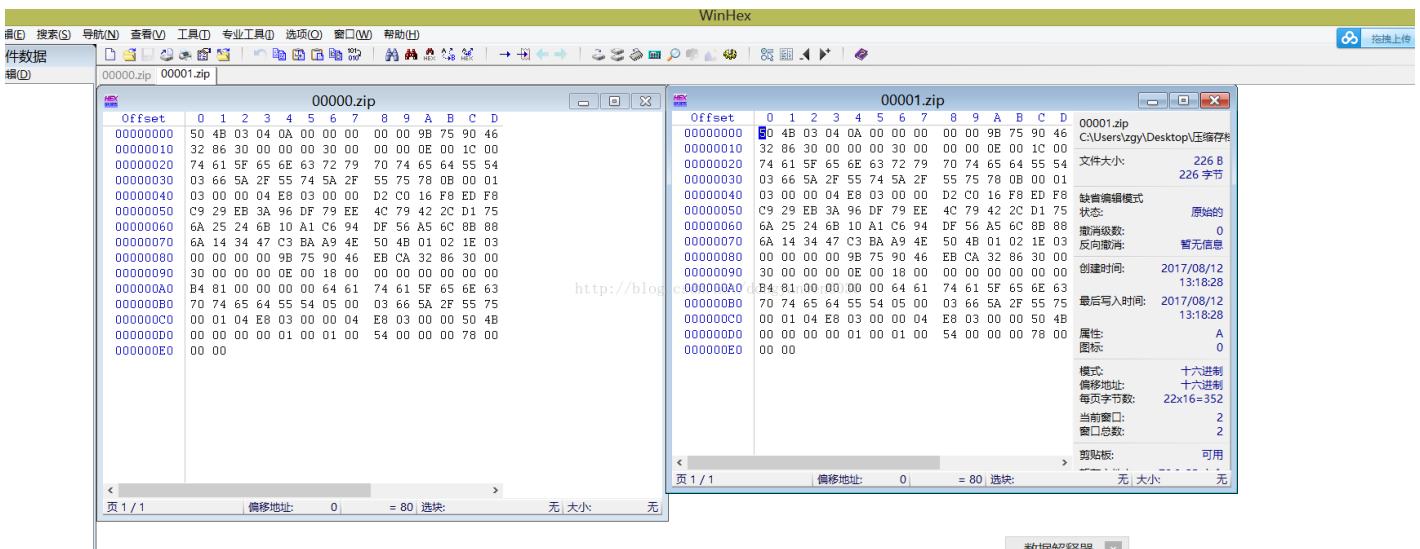
3.结果如图



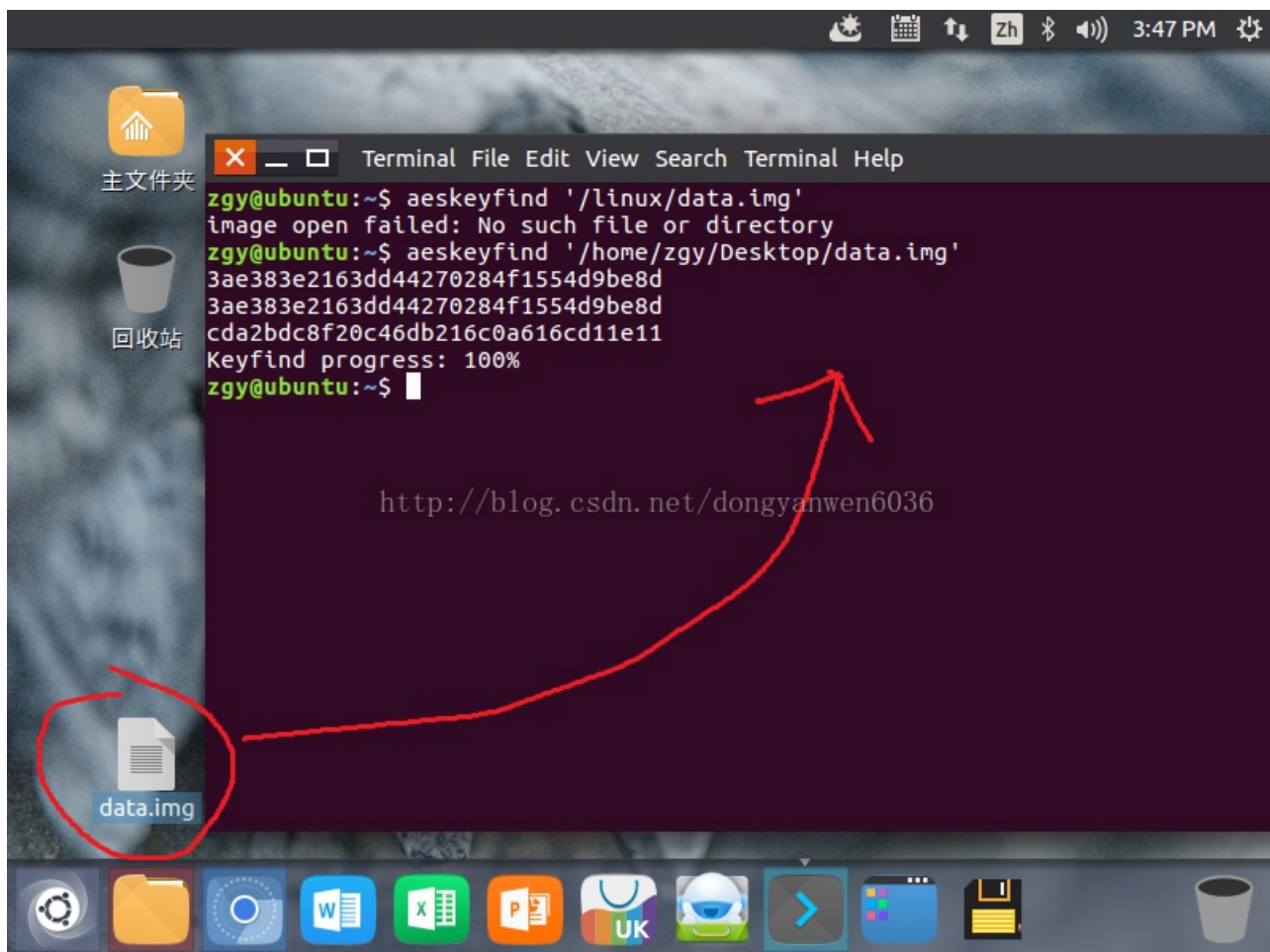
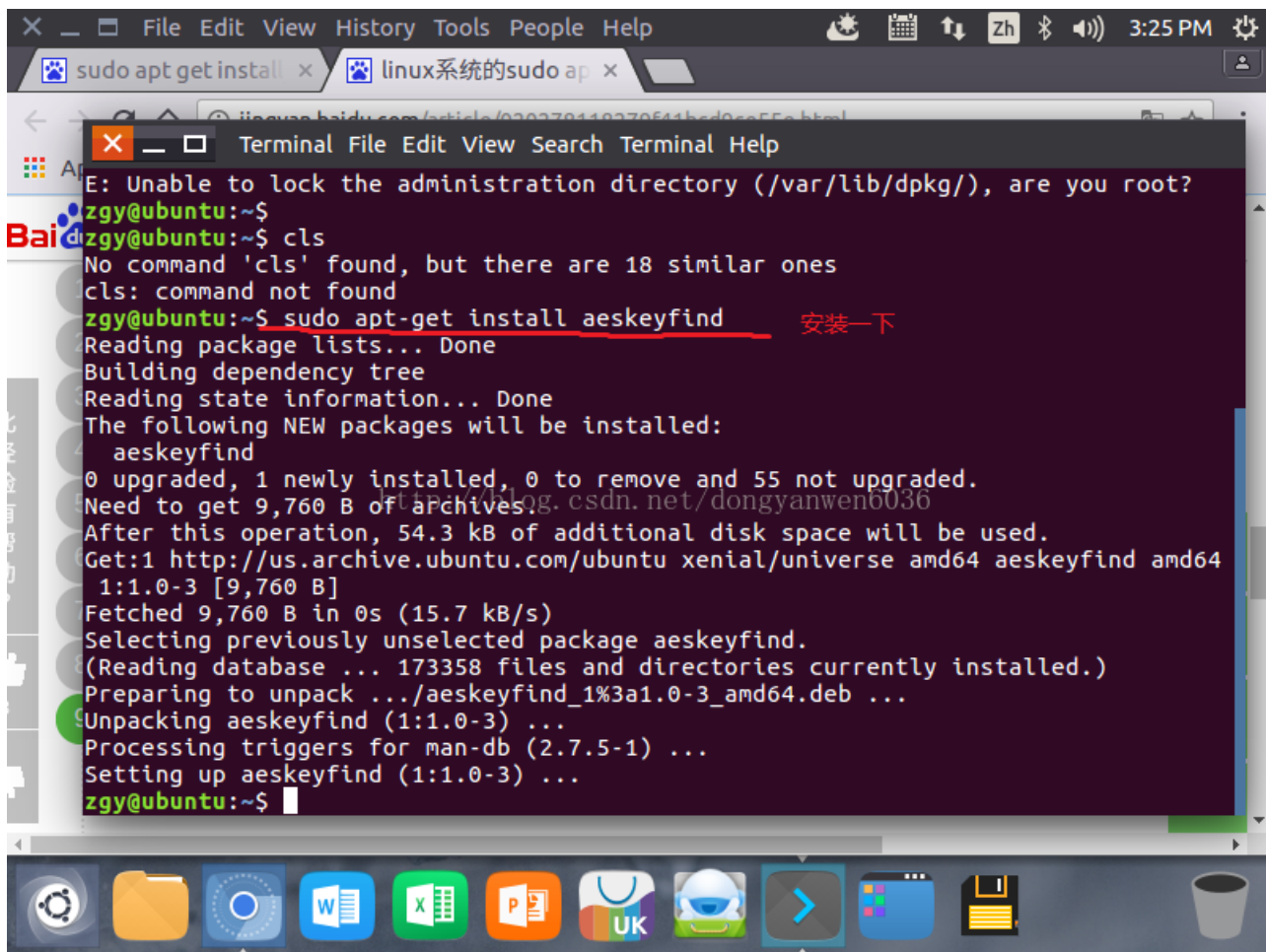
4.把文件复制到桌面上，查看压缩包。

通过winhex等十六进制软件查看或者直接在.zip文件上或者其他任何方式都可以发现两个文件内容完全一样如图。

随便右击保存一个名为Gunther.zip到桌面上待会儿会用到。



5.我是用Linux下的ubuntu安装asekeyfind和利用它如图得到结果:



6.这个上传还比较费劲，如图把之前Gunther解压得到data_encrypted，上这个<http://aes.online-domain-tools.com/>

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AES – Symmetric Ciphers Online

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Input type: File

File: 选什么都这样有问题，，呜呜

Function: AES

Mode: ECB (electronic codebook)

Key: (hex)

Plaintext Hex

100%
File was uploaded but cannot be processed.

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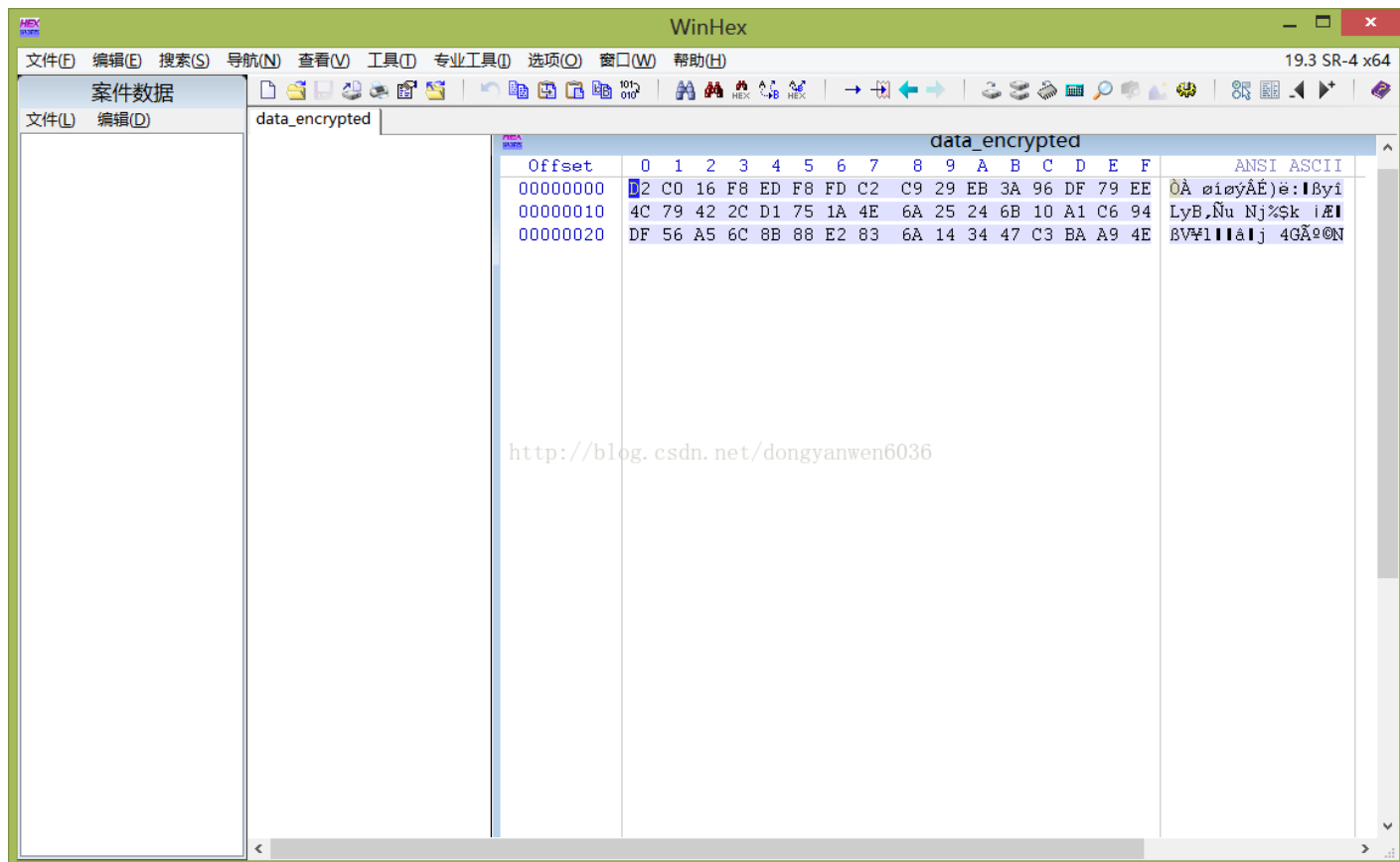
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我只好winhex打开data_encrypted复制十六进制用那个网站的text吧，，得到结果 flag{245d734b559c6b084b7ecb40596055243e8afdd2}



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Check

Input type:

Text

Input text:
(hex)

D2C016F8EDF8FDC2C929EB3A96DF79EE4C79422CD1751A4E6A25246B10A1C694DF56A56C8B88E2836A143447C3BAA94E

Plaintext Hex

Autodetect: ON | OFF

Function:

AES

Mode:

ECB (electronic codebook)

Key:
(hex)

3ae383e2163dd44270284f1554d9be8d

Plaintext Hex

> Encrypt!

> Decrypt!



Decrypted text:

00000000	66	6c	61	67	7b	32	34	35	64	37	33	34	62	35	35	39
00000010	63	36	62	30	38	34	62	37	65	63	62	34	30	35	39	36
00000020	30	35	35	32	34	33	65	38	61	66	64	64	32	7d	00	00

f l a g { 2 4 5 d 7 3 4 b 5 5 9
c 6 b 0 8 4 b 7 e c b 4 0 5 9 6
0 5 5 2 4 3 e 8 a f d d 2 } . .

[Download as a binary file] [?]

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