攻防世界 MISC 新手练习区 writeup 001-006



<u>ChaoYue_miku</u> ① 于 2021-09-03 23:59:07 发布 ^① 186 🏫 收藏 1 分类专栏: CTF # 攻防世界 # Misc 文章标签: 算法 c++ 概率论 版权声明:本文为博主原创文章,遵循<u>CC 4.0 BY-SA</u>版权协议,转载请附上原文出处链接和本声明。 本文链接: https://blog.csdn.net/ChaoYue miku/article/details/120092550 版权



CTF 同时被3个专栏收录

127 篇文章 5 订阅 订阅专栏



<u> 攻防世界</u>

6篇文章0订阅

订阅专栏



2篇文章0订阅 订阅专栏

攻防世界 MISC 新手练习区 题目解答

001 this_is_flag

002 pdf

003 如来十三掌

004 give_you_flag

005 stegano

006 坚持60s

001 this_is_flag



难度系数:

题目来源: 暂无

题目描述: Most flags are in the form flag{xxx}, for example:flag{th1s_!s_a_d4m0_4la9}

0x01题目描述即为flag

0x02 得到flag: flag{th1s_!s_a_d4m0_4la9}

002 pdf



难度系数: 3.0 题目来源: csaw 题目描述: 菜猫给了菜狗一张图,说图下面什么都没有

0x01下载并打开附件,是一个pdf格式文件



CSDN @ChaoYue_miku

题目描述说图下面什么都没有,那就看看图下面到底有没有猫腻

0x02 拖动上层图片,检查图片覆盖的部分

flag{security_through_obscurity}



CSDN @ChaoYue_miku

0x03 得到flag: flag{security_through_obscurity}

003 如来十三掌



难度系数: 3.0

题目来源: 暂无

题目描述: 菜狗为了打败菜猫, 学了一套如来十三掌。

0x01下载并打开附件

夜哆悉諳多苦奢陀奢諦冥神哆盧穆皤三侄三即諸諳即冥迦冥隸數顛耶迦奢若吉怯陀 諳怖奢智侄諸若奢數菩奢集遠俱老竟寫明奢若梵等盧皤豆蒙密離怯婆皤礙他哆提哆 多缽以南哆心曰姪罰蒙**呐**神。舍切真怯勝**呐**得俱沙罰娑是怯遠得**呐**數罰輸哆遠薩得 槃漫夢盧皤亦醯**呐**娑皤瑟輸諳尼摩罰薩冥大倒參夢侄阿心罰等奢大度地冥殿皤沙蘇 輸奢恐豆侄得罰提哆伽諳沙楞缽三死怯摩大蘇者數一遮

CSDN @ChaoYue_miku

熟悉密码的同学可以看出来,这是一种叫做与佛论禅的编码

0x02进行"与佛论禅"解码

打开网页与佛论禅

解码时要注意在开头加上 佛曰: 这是标准格式,任何字符串经过与佛论禅加密后都会在开头带上 佛曰: 两个字

Encode:

佛曰:夜哆悉諳多苦奢陀奢諦冥神哆盧穆皤三侄三即諸諳即冥迦冥隸數顛耶迦奢若吉怯陀諳怖奢智侄諸若奢數菩奢集遠俱老竟寫明奢若梵等盧皤豆 蒙密離怯婆皤礙他哆提哆多缽以南哆心曰姪罰蒙呐神。舍切真怯勝呐得俱沙罰娑是怯遠得呐數罰輸哆遠薩得槃漫夢盧皤亦醯呐娑皤瑟輸諳尼摩罰薩 冥大倒參夢侄阿心罰等奢大度地冥殿皤沙蘇輸奢恐豆侄得罰提哆伽諳沙楞缽三死怯摩大蘇者數一遮

Decode:

MzkuM3gvMUAwnzuvn3cgozM1MTuvqzAenJchMUAeqzWenzEmLJW9

与佛论禅

 $\tt MzkuM3gvMUAwnzuvn3cgozMlMTuvqzAenJchMUAeqzWenzEmLJW9$

听佛说宇宙的真谛 参悟佛所言的真意

普度众生

命由己造,相由心生

佛曰: 夜哆悉諳多苦奢陀奢諦冥神哆盧穆皤三侄三即諸諳即冥迦冥隸數顛耶迦奢若吉怯陀諳怖奢智侄諸 若奢數菩奢集遠俱老竟寫明奢若梵等盧皤豆蒙密離怯婆皤礙他哆提哆多缽以南哆心曰姪罰蒙呐神。舍切 真怯勝呐得俱沙罰娑是怯遠得呐數罰輸哆遠薩得槃漫夢盧皤亦醯呐娑皤瑟輸諳尼摩罰薩冥大倒參夢侄阿 心罰等奢大度地冥殿皤沙蘇輸奢恐豆侄得罰提哆伽諳沙楞缽三死怯摩大蘇者數一遮	
CSDN @ChaoYue	_miku

0x03 进行rot-13解码

上一步与佛论禅解码得到的结果非常像base64加密后的内容,但是尝试base64解码却失败了。

结合题目"如来十三掌",我们联想到ROT-13这种加密方式,这是一种凯撒密码的变体。

🔓 rot13					
ZmxhZ3tiZHNjamhia3ptbmZyZGhidmNraWpuZHNrdmJramRzYWJ9					
Rot13 编码 Rot13 解码 拷贝 剪切 粘贴 清除	CSDN @ChaoYue_miku				

Encode:

MzkuM3gvMUAwnzuvn3cgozM1MTuvqzAenJchMUAeqzWenzEmLJW9

ZmxhZ3tiZHNjamhia3ptbmZyZGhidmNraWpuZHNrdmJramRzYWJ9

0x04 进行base64解码

Encode:

ZmxhZ3tiZHNjamhia3ptbmZyZGhidmNraWpuZHNrdmJramRzYWJ9

Decode:

flag{bdscjhbkzmnfrdhbvckijndskvbkjdsab}

DES,AES等对称加密解密	MD5加密/解密	URL加密	JS加/解密	JS混淆加密	雪压缩	ESCAPE加/解密	BASE64	散列/哈希	迅雷,快车,旋风URLb	旧解密
flag{bdscihbkzmnfrdhbvck	kiindskybkidsab}				ZmxhZ	3tiZHNiamhia3ptbm	nZvZGhidmNraV	VpuZHNrdmJra	nRzYWJ9	
						5	,			
										(- L
							□ 多行	Base64编码	Base64解码 清空 CSDN-@ChaoYue_	结果 _miku

0x05 得到flag: flag{bdscjhbkzmnfrdhbvckijndskvbkjdsab}

004 give_you_flag



难度系数: 4.0 题目来源: 暂无 题目描述: 菜狗找到了文件中的彩蛋很开心,给菜猫发了个表情包

0x01 下载附件,打开后发现是一张GIF图片



可以看到gif动图结尾处闪过一张二维码

0x02 使用Stegsolve中的Frame Browser逐帧提取gif

😹 StegSolve 1.3 by Caesum	_		×
File Analyse Help			
Norma File Format			
Data Extract			
Stereogram Solver			
Frame Browser			
Image Combiner			
< >	CSDN @Cha	oYue_i	miku

<u>ی</u>		—		×
Frame : 50 of 53				
	< > Save	CSDN @(ChaoYue	_miku

该gif图片共有53帧,在第50帧发现了二维码,但是该二维码缺失了三个定位符,所以需要我们手动补充上去。

0x03 使用PS手动补全二维码





最终结果:



0x03 使用CQR扫描二维码

📴 QR Research	– 🗆 X
文件(F) 工具(T) 帮助(H)	
📰 🔝 🔝 🕸 😯	te 💽 🦯
数据	→ H(30%) → Auto Auto Auto Auto
	^
	~
, 已解码数据 1:	^
解码完成	CSDN @ChaoYue_miku_

0x04 得到flag: flag{e7d478cf6b915f50ab1277f78502a2c5}

005 stegano



题目来源: CONFidence-DS-CTF-Teaser

题目描述: 菜狗收到了图后很开心,玩起了pdf提交格式为flag{xxx},解密字符需小写

0x01下载附件,打开后发现是一个pdf文件

Lorem ipsum dolor sit amet, consectetur adipiscing elit. Cras faucibus odio ut metus vulputate, id laoreet magna volutpat. Integer nec enim vel arcu porttitor egestas. Vestibulum suscipit lorem sed sem faucibus rutrum. Nunc diam orci, convallis vitae auctor vehicula, interdum ut mi. Maecenas nec urna at dolor mattis dictum sit amet at orci. Mauris condimentum adipiscing erat nec feugiat. Curabitur scelerisque varius ligula, iaculis adipiscing dui. Duis eget ullamcorper arcu. In facilisis et tortor commodo aliquam. Nulla feugiat, sem eu molestie bibendum, leo nisi porttitor massa, id accumsan sapien libero id tellus. In enim lacus, sollicitudin a felis quis, blandit porta ipsum. Donec sed nibhegestas, tristique mauris eu, rutrum justo. Nulla facilisi. Duis gravida semper dui laoreet vulputate. Aenean quis tempor orci. Cras placerat lectus nulla, eu bibendum metus interdum in.Lorem ipsum dolor sit amet, consectetur adipiscing elit. 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暂时看不出来有关flag的信息

0x02 Ctrl+A全选pdf文件内容,粘贴到文本文档中查看

■ *新建文本文档:txt - 记事本	
文件(F) 编辑(E) 格式(O) 查看(V) 帮助(H)	
(文件() 細細() 信気(の) 転気(の) 転気((0) m) (m) (m) (m) (m) (m) (m) (m) (m) (m)	组成的字符串
sem eu molestie biendum leo nisi portitior massa i di accumana sapien libero i di tellus. In enim acus, solicittarin a felis	
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BABA BBB BA BBA ABA AB B AAB ABAA AB B AA BBB BA AAA BBAABB AABA ABBA ABAA AB BBA BBBAAA ABBBB BA AAAB ABBBB AAAAA ABB	BB BAAA ABAA AAABB BB AAABB
Close - but still not here !	
	×
第55行,第29列	100% Windows (ERLH) @CHRBYue_miku

疑似为培根密码,但是却没有进行分组。 由于AB对应两种字符,所以也有可能是摩斯电码。

0x03 将AB字符串转换为摩斯密码

s = "BABA BBB BA BBA ABA AB B AAB ABAA AB B AA BBB BA AAA BBAABB AABA ABAA AB BBA BBBAAA ABBBB BA AAAB ABBBB AAA AA ABBBB BAAA ABAA AAABB BB AAABB AAAAA AAAAA AAAAB BBA AAABB"

- s = s.replace(" ", "/") s = s.replace("A", ".")
- s = s.replace("B", "-")

print(s)



0x04 摩斯密码解密

CONGRATULATIONSFI	AG1NV151BL3M3554G3
转换为摩斯电码	/////////////////////////////////////
摩斯电码 : (格式要求 ////. -////. -//////////-	: 可用空格或单斜杠/来分隔摩斯电码,但只可用一种,不可混用) //-/////// :.///// :.//////
///	////////
转换为英文字母	CSDN @ChaoYue_miku

解密结果:

CONGRATULATIONSFLAG1NV151BL3M3554G3

0x05 根据题目要求,将解密字符转化为小写形式

string = "1NV151BL3M3554G3"
flag = string.lower()
print(flag)

2

	文件(E)	编辑(E)视图(V)导航(N)代码(C)重构(R)	运行(U) 工具(I) \	CS(<u>\$)</u> 窗口(<u>W</u>) 帮助(<u>H</u>) pythonProject17 - test.py		-	đ	ı x
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	运行: 🧃	🍦 test 🗵						
★ 收職夹 ■ 结构		D:\python.exe C:/Users 1nv151bl3m3554g3 进程已结束,退出代码为 0	:/chaoyue/pytho	nProject17/test.py				
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0x06 得到flag: flag{1nv151bl3m3554g3}

006 坚持60s



难度系数: 4.0

题目来源: 08067CTF

题目描述: 菜狗发现最近菜猫不爱理他,反而迷上了菜鸡

0x01下载附件,是一个jar文件,打开后发现是一个小游戏



当然可以完成游戏任务得到flag,接下来讲解常规做法

0x02 使用Java反编译软件jd-gui(需要jdk1.7) 打开jar文件

按Ctrl+Shift+S进入搜索界面,查找带有flag的字符串

🍅 Search	×
Search string (* = any string, ? = any char	acter):
flag	
Search For ✓ Type ✓ Constructor ✓ String Constant ✓ Field ✓ Method	Limit To Declarations References
1 matching entry:	
☐ ☐ ☐ 9dc125bf1b84478cb14813d9bed6470c. jar ☐ ☐ ☐ cn. bjsxt.plane ☐ ☐ PlaneGameFrame.class	
	Open Cancel CSDN @ChaoYue_miku



flag{RGFqaURhbGlfSmlud2FuQ2hpamk=}

flag显然经过了base64加密,所以需要一次解码

0x03 对flag进行base64解密

Base64编码转换

RGFqaURhbG1fSm1ud2FuQ2hpamk=

清空 加密 解密 □解密为UTF-8字节流

DajiDali_JinwanChiji

复制

CSDN @ChaoYue_miku

0x04 得到flag: flag{DajiDali_JinwanChiji}