



2016中国开源年会

China Open Source Conference 2016



我同开源社区一起成长

杜金房





开源经历、心得、社区运营经验以及展望...



Seven Du



<https://about.me/dujinfang>







《Linux实用大全》

陈向阳 方汉



Redhat
Slackware
Bluepoint
Turbo Linux
Magic Linux
Mandrake Linux
Debian
Ubuntu





AIX、Solaris、Tru64 UNIX

Linux、PostgreSQL、C、PHP





Beijing 2008

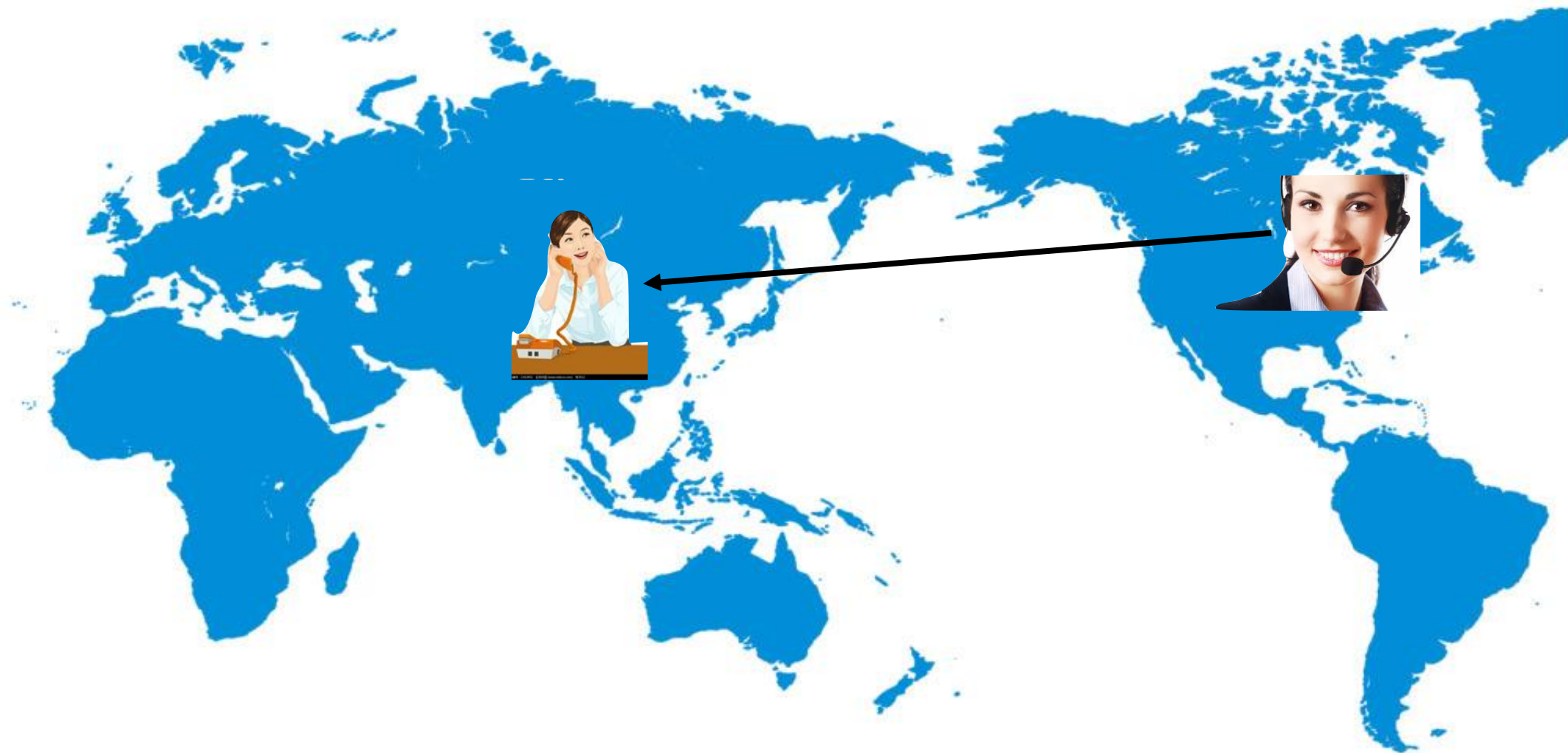


开源社
kaiyuanshe



Idapted









Linux™



NGINX





语音



视频



传真



即时消息



WebRTC

FreeSWITCH®



高达4K分辨率的视频会议



Audio Position: -0.50:0.0:1.00



Audio Position: 0.50:0.0:1.00



Floor Holder | Audio Position: -0.33:0.0:0.67



Audio Position: 0.67:0.0:0.33



Audio Position: 0.67:0.0:1.00



Audio Position: -0.67:0.0:-0.33



Audio Position: 0.00:0.0:-0.33



Audio Position: 0.67:0.0:-0.33





MPL



Estimated Effort

706人年

514人年

6193人年

Estimated Cost

\$ 38,831,253

\$ 28,257,124

\$ 340,599,544



Wiki

邮件列表

IRC



Bug

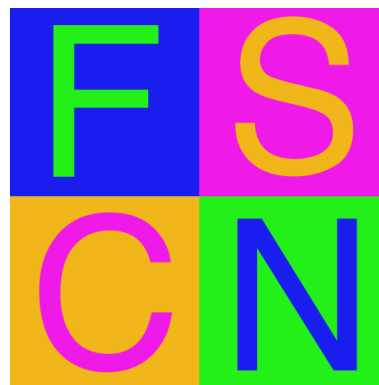


Bug





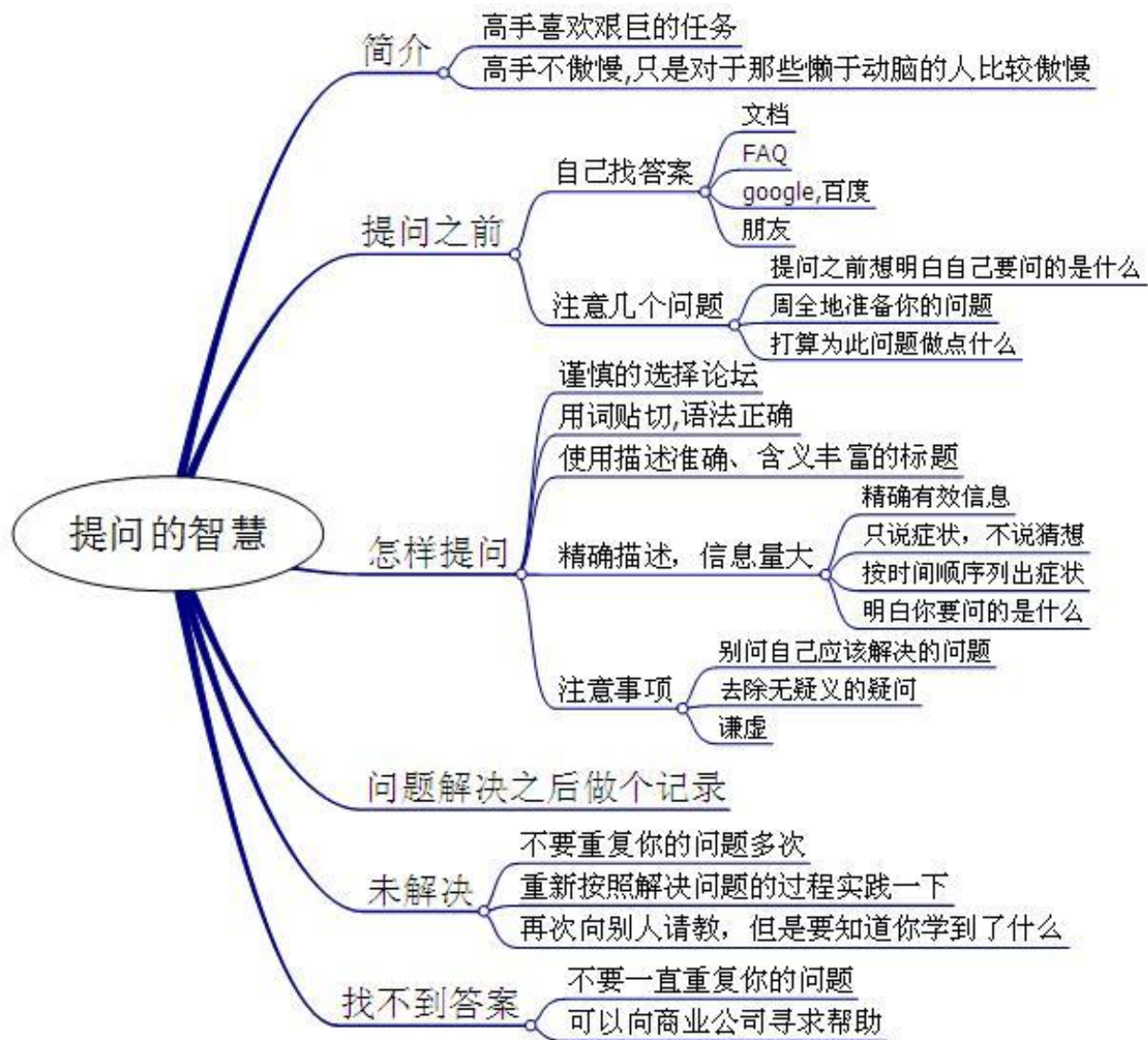
成就感



FreeSWITCH-CN

www.FreeSWITCH.org.cn

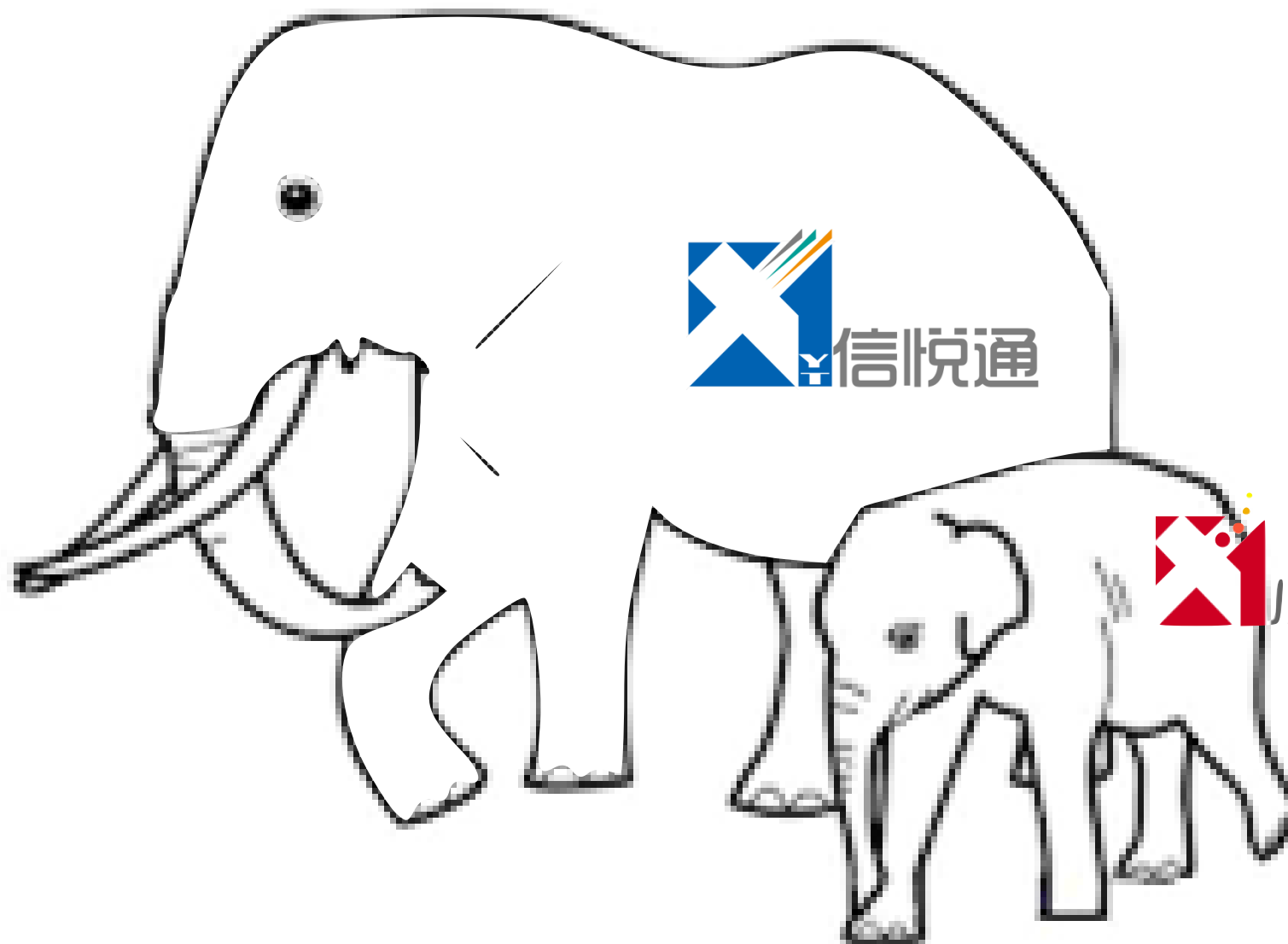






提问前要做功课，先自己尝试搜索答案
有问题在邮件列表、QQ群里问，不要向个人提问
不管向谁提问，礼貌，并把你的问题说清楚
如果你是在做一个商业项目，考虑购买商业支持







收费





ClueCon

FreeSWITCH
高手速成培訓
2013夏季班
(北京站)

FreeSWITCH
實戰培訓
2013夏季班
(北京站)

FreeSWITCH
高手速成培訓
2014春季班
(上海站)

FreeSWITCH
高手速成培訓
2014夏季班
(北京站)

FreeSWITCH
高手速成培訓
2014秋季班
(深圳站)

FreeSWITCH
高級培訓
2014冬季班
(成都站)

FreeSWITCH
高手速成培訓
2015夏季班
上海站

FreeSWITCH
高手速成培訓
2015秋季班
北京站

FreeSWITCH
高端培訓
2015冬季班
烟台站



FreeSWITCH
高手速成培訓
2016春季班
南京站

FreeSWITCH & WebRTC
高手速成培訓
2016秋季班
北京站





FreeSWITCH

培 训

TRAINING



FreeSWITCH-CN开发者沙龙



2012 车库咖啡



2013 车库咖啡



2014 北邮科技酒店



Yealink
选择亿联通讯的理由
高稳定性 高兼容性



2015 鹏润国际酒店



1-CN第四届开发者沙龙



2016 泰富酒店



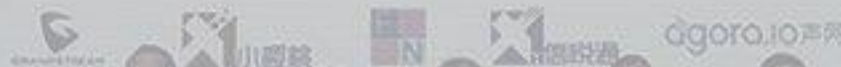
FreeSWITCH-CN开发者沙龙2016



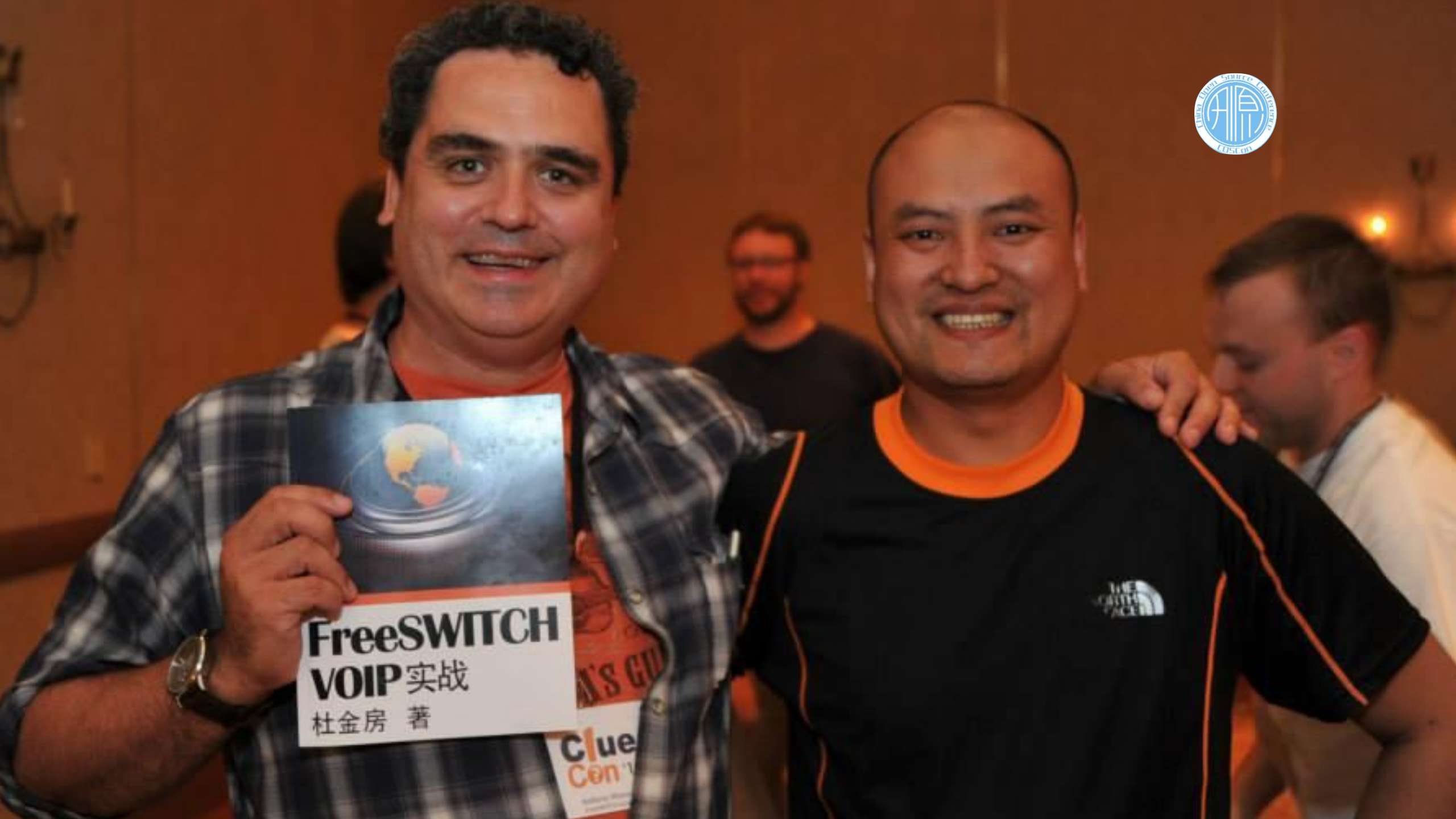


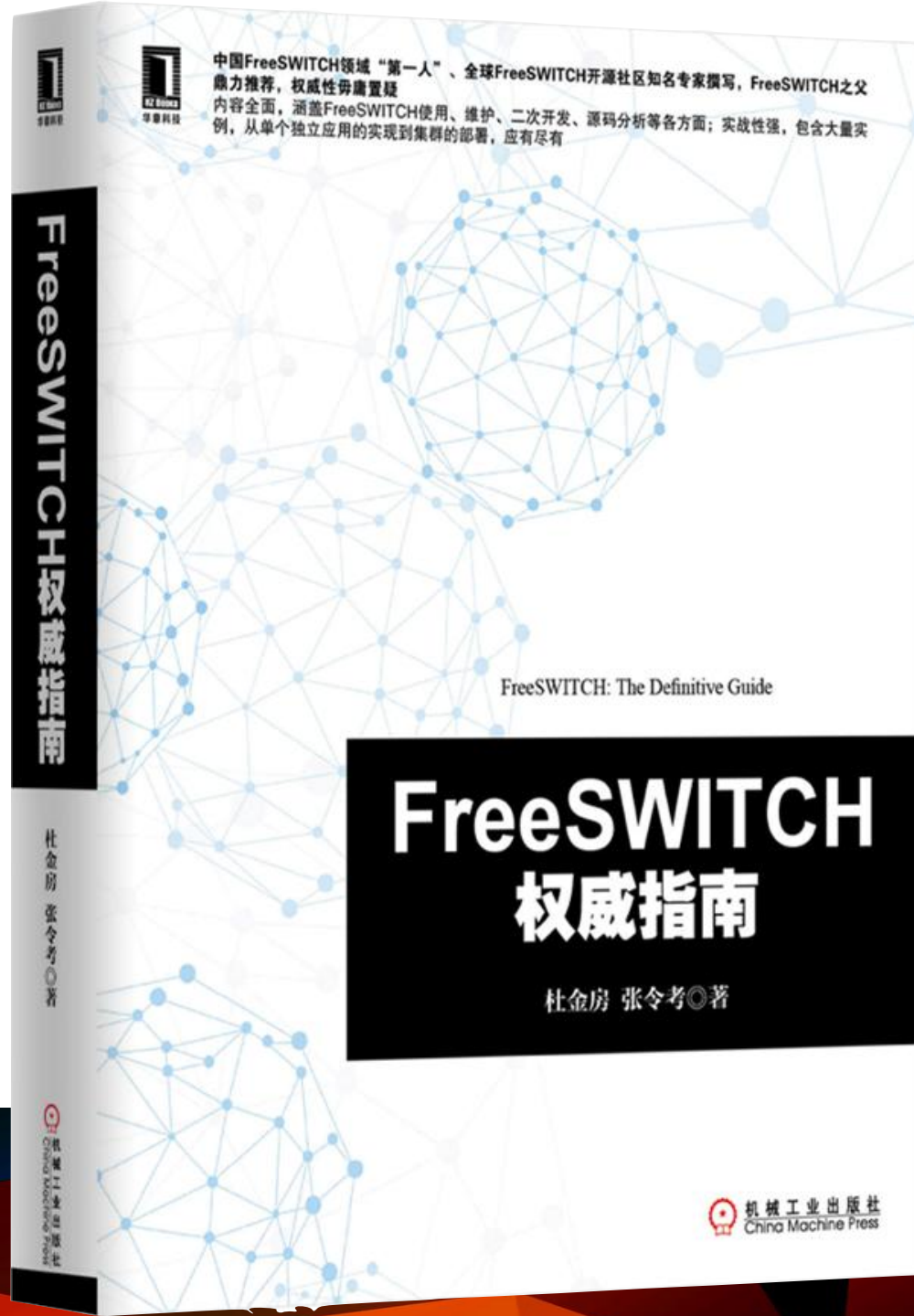
国际化 / 收费

FreeSWITCH-CN开发者沙龙2016









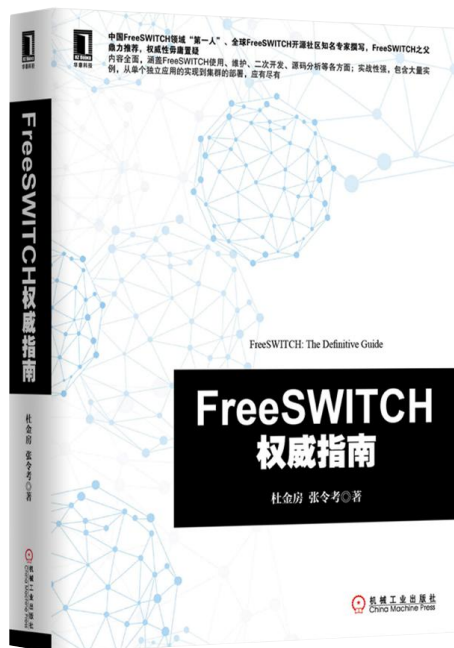


FreeSWITCH

文集

杜金房 著

INVITE sip:+861234567890@example.com SIP/2.0
Via: SIP/2.0/UDP 10.20.30.40:5060;rport;branch=z9hG4bKjj9Nm7v3047Ha
Max-Forwards: 70 FreeSWITCH-CN 出品
From: "Seven Du" <sip:+861234567890@example.com>;tag=B0U9ZQZQ124SK
To: <sip:+861234567890@example.com>
Call-ID: eb9f724e-9fed-1233-88ac-525400272cd0
CSeq: 77777777 INVITE



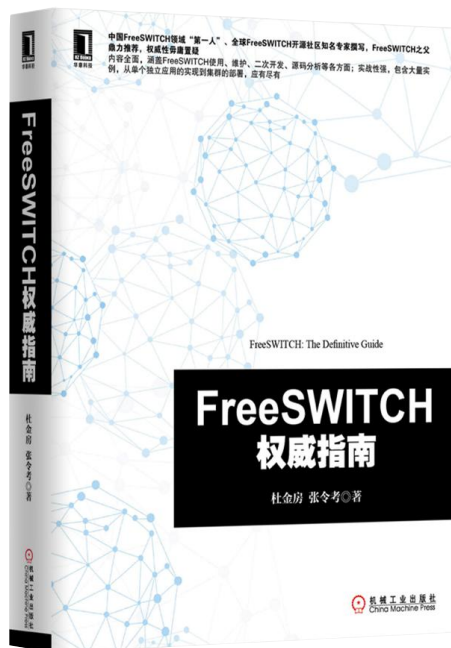
FreeSWITCH

互聯互通

杜金房 著

```
INVITE sip:+861234567890@example.com SIP/2.0
Via: SIP/2.0/UDP 10.20.30.40:5060;portbranch=z9hG4bKj9Nm7v3047Ha
Max-Forwards: 70           FreeSWITCH-CN 出品
From: "Seven Du" <sip:+861234567890@example.com>;tag=B0U9ZQZQ124SK
To: <sip:+861234567890@example.com>
Call-ID: eb9f724e-9fed-1233-88ac-525400272cd0
CSeq: 77777777 INVITE
```

```
INVITE sip:+861234567890@example.com SIP/2.0
Via: SIP/2.0/UDP 10.20.30.40:5060;portbranch=z9hG4bKj9Nm7v3047Ha
Max-Forwards: 70           FreeSWITCH-CN 出品
From: "Seven Du" <sip:+861234567890@example.com>;tag=B0U9ZQZQ124SK
To: <sip:+861234567890@example.com>
Call-ID: eb9f724e-9fed-1233-88ac-525400272cd0
CSeq: 77777777 INVITE
```



FreeSWITCH

實例解析

杜金房 著

```
INVITE sip:+861234567890@example.com SIP/2.0
Via: SIP/2.0/UDP 10.20.30.40:5060;rport;branch=z9hG4bKj9Nm7v3047Ha
Max-Forwards: 70
FreeSWITCH-CN 出品
From: "Seven Du" <sip:+861234567890@example.com>;tag=B0U9ZQZQ124S
To: <sip:+861234567890@example.com>
Call-ID: eb9f724e-9fed-1233-88ac-525400272cd0
CSeq: 77777777 INVITE
```



FreeSWITCH WIRESHARK

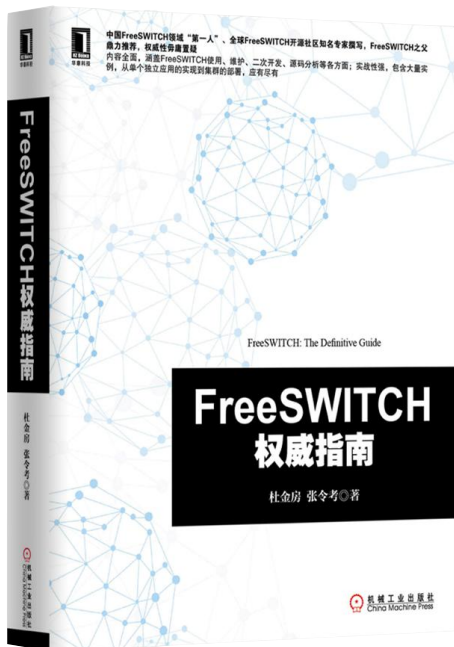
杜金房 著

FreeSWITCH 实例解析

杜金房 著

```
INVITE sip:+861234567890@example.com SIP/2.0
Via: SIP/2.0/UDP 10.20.30.40:5060;rport;branch=z9hG4bKj9Nm7v3047Ha
Max-Forwards: 70 FreeSWITCH-CN 出品
From: "Seven Du" <sip:+861234567890@example.com>;tag=B0U9ZQZQ124SK
To: <sip:+861234567890@example.com>
Call-ID: eb9f724e-9fed-1233-88ac-525400272cd0
CSeq: 77777777 INVITE
```

```
INVITE sip:+861234567890@example.com SIP/2.0
Via: SIP/2.0/UDP 10.20.30.40:5060;rport;branch=z9hG4bKj9Nm7v3047Ha
Max-Forwards: 70 FreeSWITCH-CN 出品
From: "Seven Du" <sip:+861234567890@example.com>;tag=B0U9ZQZQ124SK
To: <sip:+861234567890@example.com>
Call-ID: eb9f724e-9fed-1233-88ac-525400272cd0
CSeq: 77777777 INVITE
```



FreeSWITCH

源代码分析

杜金房 著

```
INVITE sip:+861234567890@example.com SIP/2.0
Via: SIP/2.0/UDP 10.20.30.40:5060;rport;branch=z9hG4bKj9Nm7v3047Ha
Max-Forwards: 70 FreeSWITCH-CN 出品
From: "Seven Du" <sip:+861234567890@example.com>;tag=B0U9ZQZQ124SK
To: <sip:+861234567890@example.com>
Call-ID: eb9f724e-9fed-1233-88ac-525400272cd0
CSeq: 77777777 INVITE
```



```

2016-10-07 10:14 Seven Du      o [master] {origin/master} {origin/HEAD} FS-9622 #resolve f...r size cal
2016-10-06 19:07 Mike Jerris   o FS-9581: add new required source files to core build
2016-10-06 17:37 Mike Jerris   o FS-9582: remove nasm which we don't use and will break libvpx if its attemp
2016-10-06 11:02 Mike Jerris   o FS-9581: [windows] don't define symbols before pch include
2016-10-06 14:02 Mike Jerris   M Merge pull request #991 in FS/freeswitch from ~DINGDING/freeswitch:FS-960
2016-10-06 12:13 Mike Jerris   M Merge pull request #999 in FS/freeswitch from ~PIOTRGREGOR/freeswitch:b
2016-10-06 11:55 Piotr Gregor  o FS-9620 [avmd][windows]: #fix windows build after FS-9605
2016-10-06 09:43 dingding     o FS-9602 [mod_fifo] fix outbound_ringall_thread_run ring_consumer_count
2016-10-05 15:58 Mike Jerris   o FS-9617: fix build error on rpi
2016-10-05 14:41 Mike Jerris   M Merge pull request #993 in FS/freeswitch from ~DRAGOS_OANCEA/freeswitch
2016-10-05 14:39 Mike Jerris   M Merge pull request #994 in FS/freeswitch from ~DRAGOS_OANCEA/freeswit
2016-10-05 14:26 Mike Jerris   M Merge pull request #992 in FS/freeswitch from ~DINGDING/freeswitch:
2016-10-05 11:30 Mike Jerris   M Merge pull request #987 in FS/freeswitch from ~FRANCOIS/freeswitc
2016-10-05 11:08 Mike Jerris   o FS-9581: [windows] DEBUG_ESTIMATORS symbol conflict in windows
2016-10-05 11:05 Mike Jerris   o FS-9581: [windows] CF_TEXT is a reserved constant on windows
2016-10-05 10:08 Anthony Minessale o FS-9612
2016-10-05 09:57 Mike Jerris   o FS-9581: [windows] CF_TEXT is a reserved constant on windows
2016-10-05 08:51 Mike Jerris   M Merge pull request #995 in FS/freeswitch from ~PIOTRGREGOR/free
2016-10-05 11:54 Piotr Gregor  o FS-9605: [avmd] Add number of detection threads setting to conf
2016-10-05 06:31 Dragos Oancea o FS-9614: mod_amrwb: fix AMR-WB mode bitmap ("mode-set" in fmtfp)
2016-10-05 05:36 Dragos Oancea o FS-9613: mod_amr: fix AMR mode bitmap ("mode-set" param in remo
[main] 241bbd1529accb2b25b46227bd6ecf0fd526c513 - commit 1 of 31395

```



<https://freeswitch.org/fisheye/changelog/freeswitch>

Most active committers (90 days)





开源社
kaiyuanshe



FreeSWITCH

商业支持

Business



斯坦门茨



画一条线，1美元；
知道在哪儿画线，9999美元。





挂号单
财政监制
XX市
财政印

编号: P2345-100 号 0011
姓名: 小明 医师: 张三
科别: 内科 诊金: 3元
XXXX年XX月XX日 挂号员: 1015

Air ticket		Air ticket		
Flight _____		NAME _____	SURNAME _____	
Date _____ Time _____		Flight _____	_____	
GATE _____		Date _____ Time _____	GATE _____	_____
SEAT _____		SEAT _____	_____	_____



正确认识开源



开源 \neq 免费



开源社
kaiyuanshe





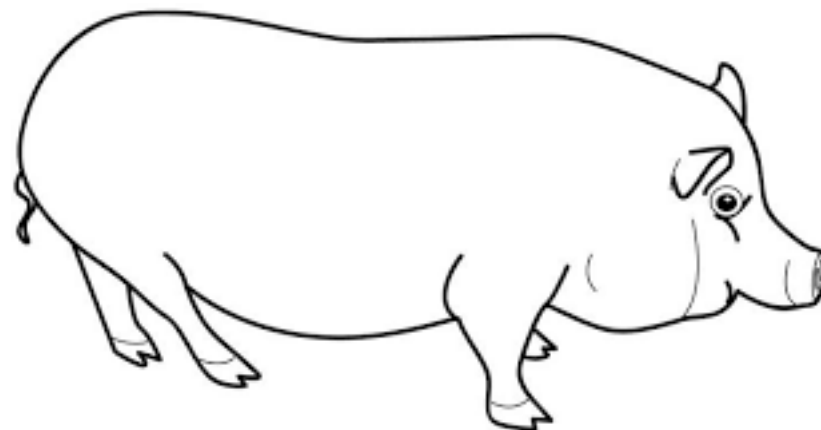
怎么用好开源？



社区 预算



智猪博弈

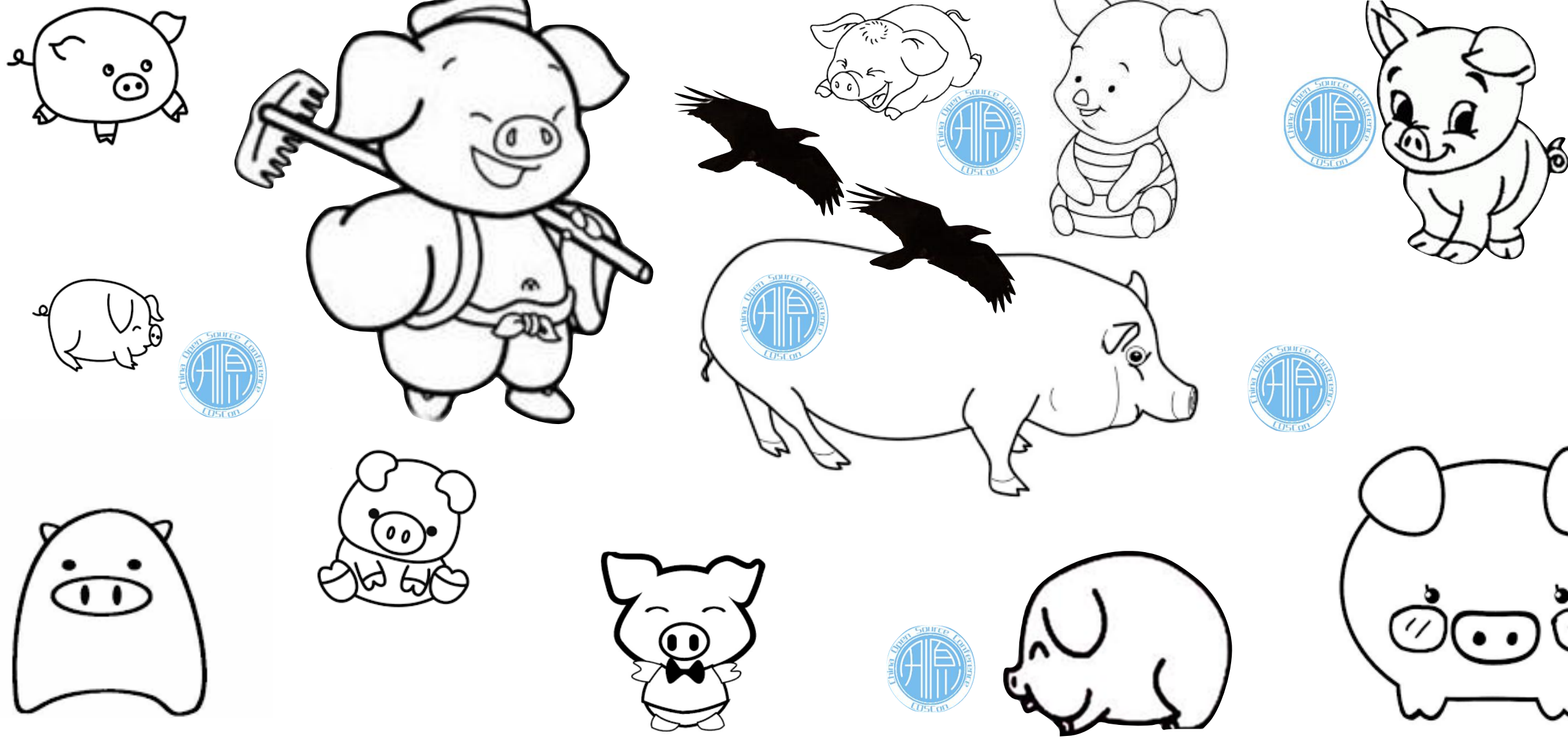






Heart Bleed OpenSSL 1.0.1







总之...



我喜欢开源
做开源不容易
我们一直在努力
希望更多的人一起努力
感谢大家



<https://about.me/dujinfang>



<https://about.me/dujinfang>