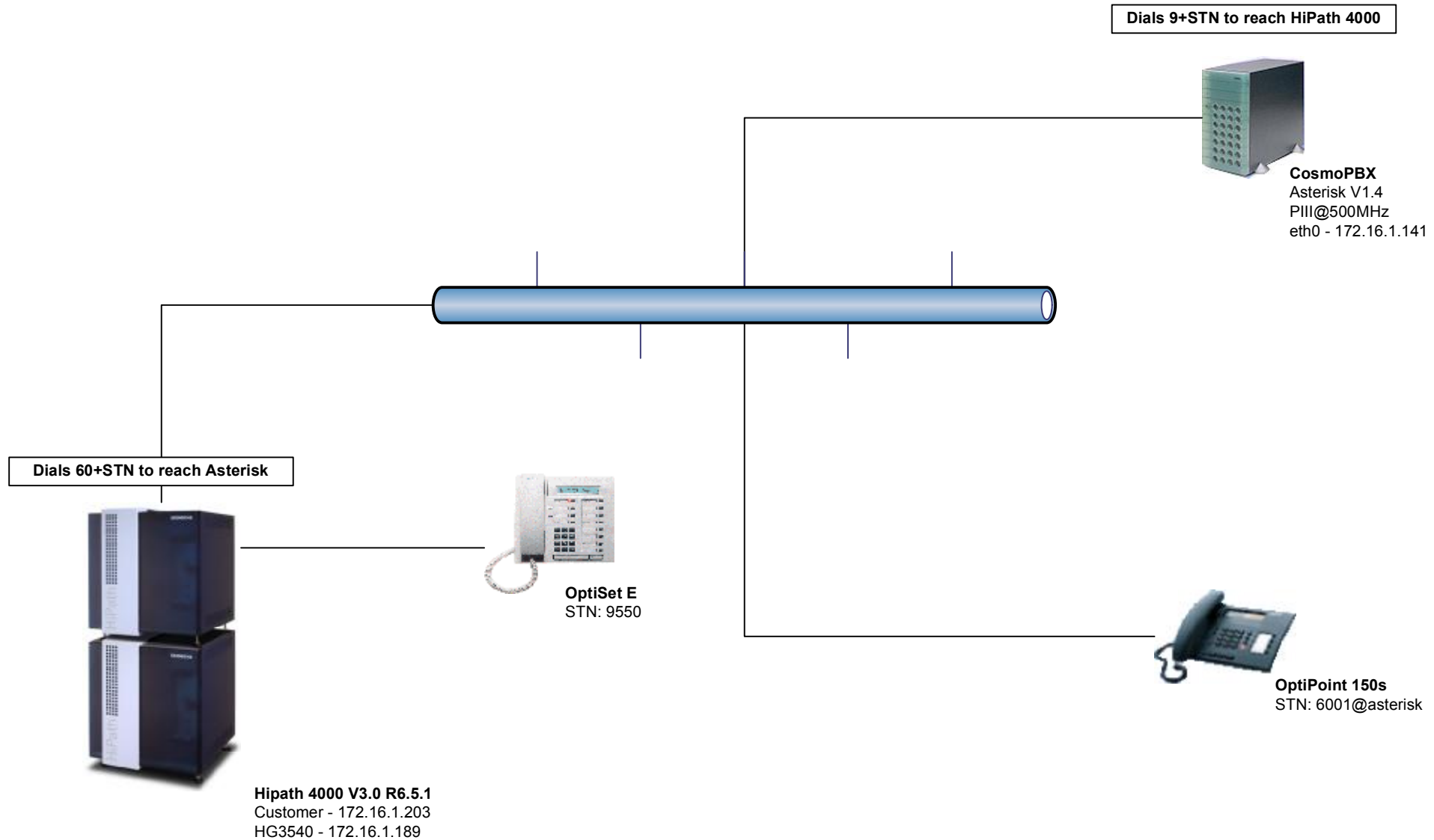


SIEMENS

Communication for the open minded

HiPath 4000 x Asterisk

Basic Call Setup Test



HiPath 4000 Configuration

```
/* BOARD DATA
ADD-BCSU:
    MTYPE=PER,LTG=1,LTU=1,SLOT=109,PARTNO="Q2316-X10 ",FCTID=2,LWVAR="0",HWY

ADD-STMIB:
    MTYPE=STMI2IGW,LTU=1,SLOT=109,CUSIP=172.16.1.189,
    SNETMASK=255.255.255.0;

CHANGE-STMIB:
    MTYPE=STMI2IGW,LTU=1,SLOT=109,TYPE=IFDATA,DGWIP=172.16.1.1,VLAN=NO,VLANID=0;

CHANGE-STMIB:
    MTYPE=STMI2IGW,LTU=1,SLOT=109,TYPE=GLOBAL,PATTERN=213,TRKPROT=SIP;

CHANGE-STMIB:
    MTYPE=STMI2IGW,LTU=1,SLOT=109,TYPE=GKDATA,
    PRIGKPN=1719,PRIGKID1="PRIMARYRASMANAGERID",
    SECCKPN=1719,SECCKID1="SECONDARYRASMANAGERID",
    TIMTLIVE=120;

CHANGE-STMIB:
    MTYPE=STMI2IGW,LTU=1,SLOT=109,TYPE=DMCDATA,DMCCONN=0;

CHANGE-STMIB:
    MTYPE=STMI2IGW,LTU=1,SLOT=109,TYPE=WBMDATA,
    LOGINWBM="HP4K-DEVEL",ROLE=ENGR;

CHANGE-STMIB:
    MTYPE=STMI2IGW,LTU=1,SLOT=109,TYPE=WBMDATA,
    LOGINWBM="HP4K-SU",ROLE=SU;

CHANGE-STMIB:
    MTYPE=STMI2IGW,LTU=1,SLOT=109,TYPE=WBMDATA,
    LOGINWBM="HP4K-ADMIN",ROLE=ADMIN;

CHANGE-STMIB:
    MTYPE=STMI2IGW,LTU=1,SLOT=109,TYPE=WBMDATA,
    LOGINWBM="HP4K-READER",ROLE=READONLY;

CHANGE-STMIB:
    MTYPE=STMI2IGW,LTU=1,SLOT=109,TYPE=GWDATA,GWID1="HIPATH4K";

CHANGE-STMIB:
    MTYPE=STMI2IGW,LTU=1,SLOT=109,TYPE=H235DATA,
    GLOBID1="siemensGateway2003",TIMEWIN=90,
    GLOBPW=242-191-30-119-188-83-173-161-43-0-70-36-218-74-169-221-78-102-174-170,
    H235SEC=NO;

CHANGE-STMIB:
    MTYPE=STMI2IGW,LTU=1,SLOT=109,TYPE=LEGKDATA,GWNO=44,GWDIRNO=4000,
    REGEXTGK=NO;

CHANGE-STMIB:
    MTYPE=STMI2IGW,LTU=1,SLOT=109,TYPE=SIPTREERH,GWAUTREQ=NO;

CHANGE-STMIB:
    MTYPE=STMI2IGW,LTU=1,SLOT=109,TYPE=SIPTRSSA,SIPREG=NO,
    REGIP1=0.0.0.0,REGPORT1=5060,REGTIME=120,REGIP2=0.0.0.0,REGPORT2=5060;

CHANGE-STMIB:
    MTYPE=STMI2IGW,LTU=1,SLOT=109,TYPE=SNMP,CS1="public";

ADD-BUEND:
    TGRP=4,NAME="IP TRUNK V2.0 ",NO=120,TRACENO=0,ACDTHRH=*,PRIONO=2,TD
    DRFLAG=ON,GDTRRULE=0,ACDPMGRP=0,CHARCON=NEUTRAL;

ADD-COT:
    COTNO=40,PAR=PRI&RCL&ANS&KNOR&CEBC&CBBN&CBFN&FWDN&
    FNAN&BSHT&BLOC&ATRS&ROPT&TSCS&TRSC&CFOS&CFVA&PINR&
    AOCC&BCNE&NTON;

ADD-COP:
    COPNO=40,TRK=TA,TOLL=TA;

ADD-COSSU:
    NEWCOS=40;
    CHANGE-COSSU: TYPE=COS,COS=40,AVCE=TA&TNOTCR;
    CHANGE-COSSU: TYPE=COS,COS=40,AFAX=NOCO&NOTIE;
    CHANGE-COSSU: TYPE=COS,COS=40,ADTE=NOCO&NOTIE;

COPY-PRODE:TYPE=PVCD,PVCDNO=1;

ADD-TDCSU:
    OPT=NEW,PEN=1-01-109-0,COTNO=40,COPNO=40,DPLN=0,ITR=0,COS=40,
    LCOSV=10,LCOSD=1,CCT=" ",DESTNO=144,PROTVAR="ECMAV2",
    SEGMENT=8,DEDSVC=NONE,TRTBL=GDTR,SIDANI=N,ATNTYP=TIE,CBMATTR=NONE,
    TCHARG=N,SUPPRESS=0,ISDNIP=1,ISDNNP=11,PNPL2P=5555,TRACOUNT=31,
    SATCOUNT=MANY,NNO=44,ALARMNO=0,FIDX=1,CARRIER=1,ZONE=EMPTY,COTX=40,
    FWDX=1,CHIMAP=N,UUSCCX=16,UUSCCY=8,FNIDX=1,NWMUXTIM=10,
    CLASSMRK=EC&G711&G729OPT,TGRP=4,SRCHMODE=CIR,INS=Y,DEV=HG3550IP,
    BCHAN=1&&30,BCNEG=N,BCGR=1,LWPAR=0,LWPP=0,LWLT=0,LWPS=0,LWR1=0,
    LWR2=0,DMCALLWD=N;

/* TSC CONNECTION
ADD-RICHT:
    MODE=LRTENEW,L RTE=44,LSVC=ALL,NAME="TSC ",TGRP=4,
    DNNO=44,ROUTATT=NO,EMCYRTT=NO,PDNNO=0,CHARCON=NEUTRAL,CONFSTONE=NO,
    RERINGRP=NO,NOPRCFWD=NO,NITO=NO,CLNAMEDL=NO;

ADD-LODR:ODR=44,CMD=ECHO,FIELD=1;
ADD-LODR:ODR=44,CMD=END;
ADD-LDAT:
    LROUTE=44,LSVC=ALL,LVAL=1,TGRP=4,ODR=44,LAUTH=1,CARRIER=1,ZONE=EMPTY,
    LATTR=NONE,VCCYC=4;
```

```
ADD-WABE:CD=4000,DAR=TIE,CHECK=N;
ADD-LDPLN:LCRCONF=LCRPATT,DIPLNUM=0,LDP="4000",LROUTE=44,LAUTH=1,PINDP=N;
ADD-GKREG:GWNO=44,GWATTR=INTGW&REGGW&HG3550V2&SIP,DIPLNUM=0,DPLN=0,LAUTH=1,INFO="SIP TSC";
CHANGE-ZANDE:TYPE=ALLDATA,GATEKPR=YES;

/* ASTERISK CONNECTION
ADD-GKREG:
    GWNO=45,GWATTR=EXTGW&HG3550V2&SIP,GWIPADDR=172.16.1.141,
    GWDIRNO=4001,DIPLNUM=0,DPLN=0,LAUTH=1;

ADD-RICHT:
    MODE=LRTENEW,L RTE=45,LSVC=ALL,NAME="ASTERISK",TGRP=4,DNNO=145,
    DESTNO=45,ROUTATT=NO,EMCYRTT=NO,PDNNO=0,CHARCON=NEUTRAL,CONF TONE=NO,
    RERINGRP=NO,NOPRCFWD=NO,NITO=NO,CLNAMEDL=NO;

ADD-LODR:ODR=45,CMD=NPI,NPI=UNKNOWN,TON=UNKNOWN;
ADD-LODR:ODR=45,CMD=ECHO,FIELD=2;
ADD-LODR:ODR=45,CMD=END;

ADD-LDAT:
    LROUTE=45,LSVC=ALL,LVAL=1,TGRP=4,ODR=45,LAUTH=1,CARRIER=1,ZONE=EMPTY,
    LATTR=NONE,VCCYC=4,GW1=45-0;

ADD-WABE:CD=60,DAR=TIE,CHECK=N;
ADD-LDPLN:LCRCONF=LCRPATT,DIPLNUM=0,LDP="60"- "XXXX",LROUTE=45,LAUTH=1,PINDP=N;
```

```
<DISPLAY-GKREG:GWNO=44;
DISPLAY-GKREG:GWNO=44;
H500:  AMO GKREG STARTED
+-----+
| GWNO      44          GWATTR  INTGW   REGGW   HG3550V2 SIP      |
| GWIPADDR  172.16 .1   .189          GWDIRNO  4000              |
| DIPLNUM   0          DPLN  0                                |
| LAUTH     1                                |
| GATEWAY REGISTERED: YES                                |
| IP GATEWAY IS CONFIGURED   BY   GKREG                    |
| INFO:     SIP LOOP                                |
+-----+

AMO-GKREG-111          GATEKEEPER REGISTRY
DISPLAY COMPLETED;
<
```

HG3540 Configuration

HG 3540/50 V2.0 - Siemens AG Babylon 1.0.58

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Product Support HP4K

SWS Delivery

TAC Advisor Navigator

>>

Front panel

Wizard

Explorers

Maintenance

Help

Logoff

HG 3540/50 V2.0

Wizards

Initial Setup

Gateway Properties

General

System Name: hg3540/50

Gateway Location:

Contact Address:

Gateway IP Address: 172.16.1.189

Gateway Subnet Mask: 255.255.255.0

Additional Features

QoS - Fallback to SCN:

Conference Improvement:

Signaling Protocol for IP Networking: SIP

SIP Protocolvariant for IP Networking: Native SIP

Gatekeeper Type: default

Apply

Undo

OK

SSL on

HP4K-DEVEL

hg3540/50

03/14/2007 17:56:35

1-1-109

HG 3540/50 V2.0

0d 3h 47m

Local intranet

HG 3540/50 V2.0 - Siemens AG Babylon 1.0.58

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HG 3540/50 V2.0

Wizards

[Initial Setup](#)

Codec Parameters

Codec	Priority	Voice Activity Detection	Frame Size
G.711 A-law	Priority 2	VAD: <input type="checkbox"/>	30 msec
G.711 μ -law	Priority 1	VAD: <input type="checkbox"/>	30 msec
G.723	Priority 3	VAD: <input type="checkbox"/>	30 msec
G.729	Priority 4	VAD: <input type="checkbox"/>	20 msec
G.729A	Priority 5	VAD: <input type="checkbox"/>	20 msec
G.729B	Priority 6	VAD: <input checked="" type="checkbox"/>	20 msec
G.729AB	Priority 7	VAD: <input checked="" type="checkbox"/>	20 msec

T.38 Fax

T.38 Fax: ☐

Use FillBitRemoval: ☒

Max. UDP Datagram Size for T.38 Fax (bytes): 1472

Error Correction Used for T.38 Fax (UDP) t38UDPRedundancy

SSL on

HP4K-DEVEL

hg3540/50

03/14/2007 17:57:01

1-1-109

HG 3540/50 V2.0

0d 3h 47m

Done

Local intranet

HG 3540/50 V2.0 - Siemens AG Babylon 1.0.58

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Front panelWizardExplorersMaintenanceHelpLogoff

HG 3540/50 V2.0

Explorers

Basic Settings

Security

Network Interfaces

Routing

Voice Gateway

Payload

Statistics

Voice Gateway

H.323 Parameters

SIP Parameters

Codec Parameters

Destination Codec Parameters

Fallback to SCN Parameters

Clients

SIP Parameters

SIP User Agent

Use SIP Registrar: No

SIP Registrar IP Address: 0.0.0.0

SIP Registrar Port Number: 5060

Alternative SIP Registrar IP Address: 0.0.0.0

Alternative SIP Registrar Port Number: 5060

Period of registration (sec): 120

SIP Server (Registrar / Redirect)

SIP Server IP Address: 172.16.1.189

SIP Server Port Number: 5060

Period of registration (sec): 120

SIP Transport Protocol

SIP via TCP: Yes

SIP via UDP: Yes

SIP Session Timer

RFC 4028 support: Yes

Session-Expires (sec): 1800

Minimal-SE (sec): 90

SSL on

1-1-109

HP4K-DEVEL

HG 3540/50 V2.0

hg3540/50

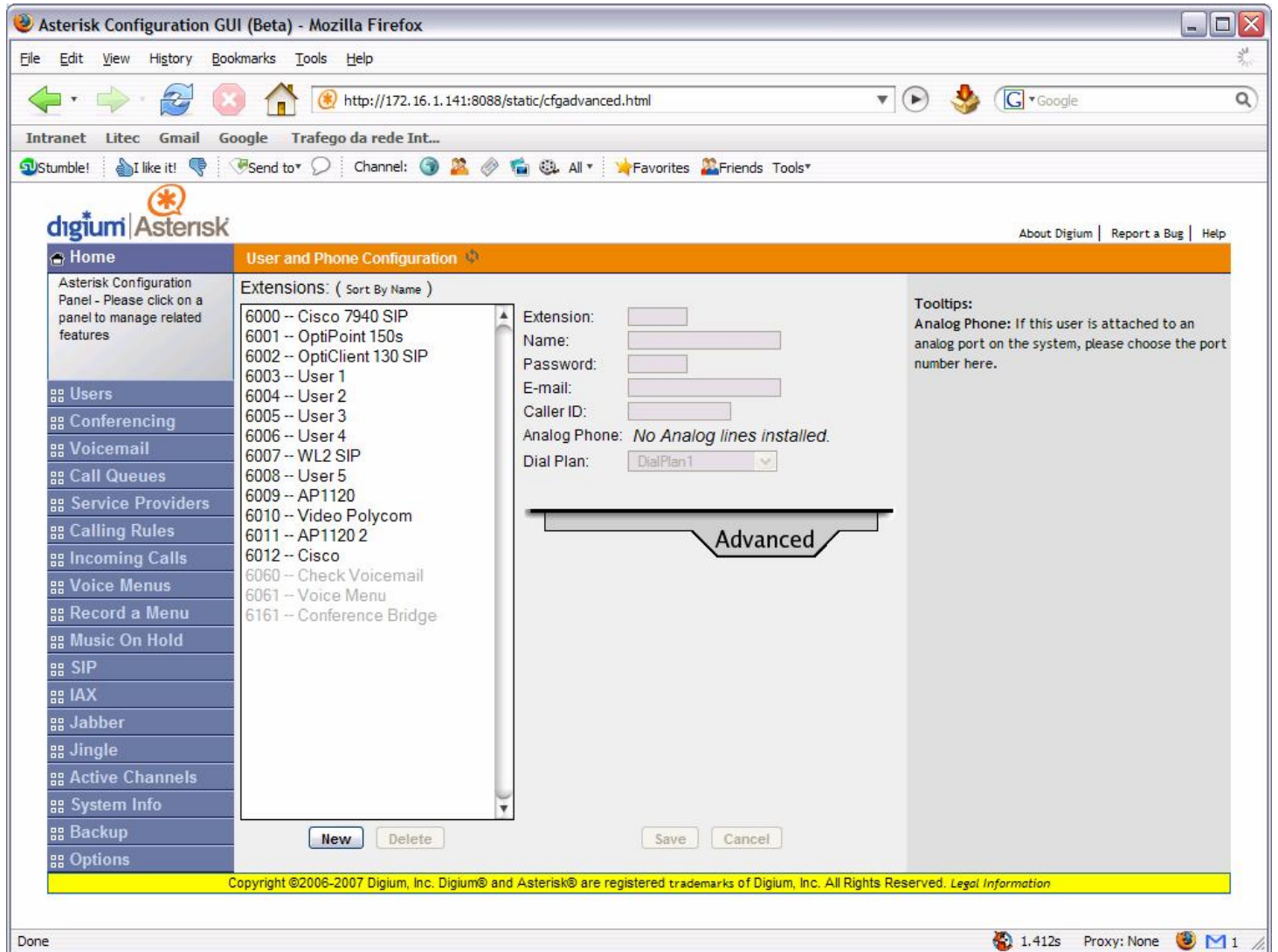
03/14/2007 17:57:26

0d 3h 47m

Applet Gateway Explorer started

Local intranet

Asterisk Configuration



Asterisk Configuration GUI (Beta) - Mozilla Firefox

FileEditViewHistoryBookmarksToolsHelp

←→↺ⓧ🏠

http://172.16.1.141:8088/static/cfgadvanced.html

▶📦🔍Google

IntranetLitecGmailGoogleTrafego da rede Int...

🌐👍👤🗉🗨️Channel:🌐👤📠📠All🌟Favorites👤FriendsTools

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Service Providers

Provider Type:
☐ Analog
☐ VoIP
☒ Custom VoIP

Comment:
Protocol:
Register: ☐
Host:
Username:
Password:

Tooltips:
Move the mouse over to a field to see tooltips

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Done0.571sProxy: None🌐📧1

Asterisk Configuration GUI (Beta) - Mozilla Firefox

File Edit View History Bookmarks Tools Help

← → ↺ × 🏠

http://172.16.1.141:8088/static/cfgadvanced.html

▶ 🔍

Intranet Litec Gmail Google Trafego da rede Int...

🌐 Stumble! 👍 I like it! 🗨 Send to 🗨 Channel: 🌐 🧑 📄 📞 📺 All ⭐ Favorites 👤 Friends 🛠 Tools

Home

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Calling Rules

The Calling Rules define dialing permissions and least cost routing rules.

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Calling Rules

Rule Name:

Place this call through :

Dialing Rules : If the number begins with and followed by digits ☒ or more
(define a custom pattern)

Strip digits from the front before dialing:

Add a Calling Rule

About Digium | Report a Bug | Help

Tooltips:
Move the mouse over to a field to see tooltips

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Done

🌐 0.571s

Proxy: None

📧 1

Asterisk Configuration GUI (Beta) - Mozilla Firefox

FileEditViewHistoryBookmarksToolsHelp



←→↺ⓧ🏠

http://172.16.1.141:8088/static/cfgadvanced.html

▶📦🔍Google

IntranetLitecGmailGoogleTrafego da rede Int...

👉Stumble!👍I like it!💬Send to▼🗨Channel:🌐👤💻🌐🌐All▼⭐Favorites👥FriendsTools▼

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Voicemail

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Incoming Calls

Define how your incoming calls should be handled & configure DID (Direct inward Dialing)

Voice Menus

Record a Menu

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SIP

IAX

Jabber

Jingle

Active Channels

System Info

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Options

Incoming Calls

Incoming Call Rules

An incoming Calling Rule is not defined

Please click on 'Add a Incoming Rule' button to add a new incoming call rule.

Add a Incoming Rule

Tooltips:

Move the mouse over to a field to see tooltips

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http://172.16.1.141:8088/static/incoming.html#

🐉0.551sProxy: None🌐📧1