Asterisk GUI - Digium Inc. ???Web????????????????? Asterisk ??? mini-HTTP server???????? Web Server engine?
??????????,?????????FreePBX????.??????embedded system? ?????????GUI????.

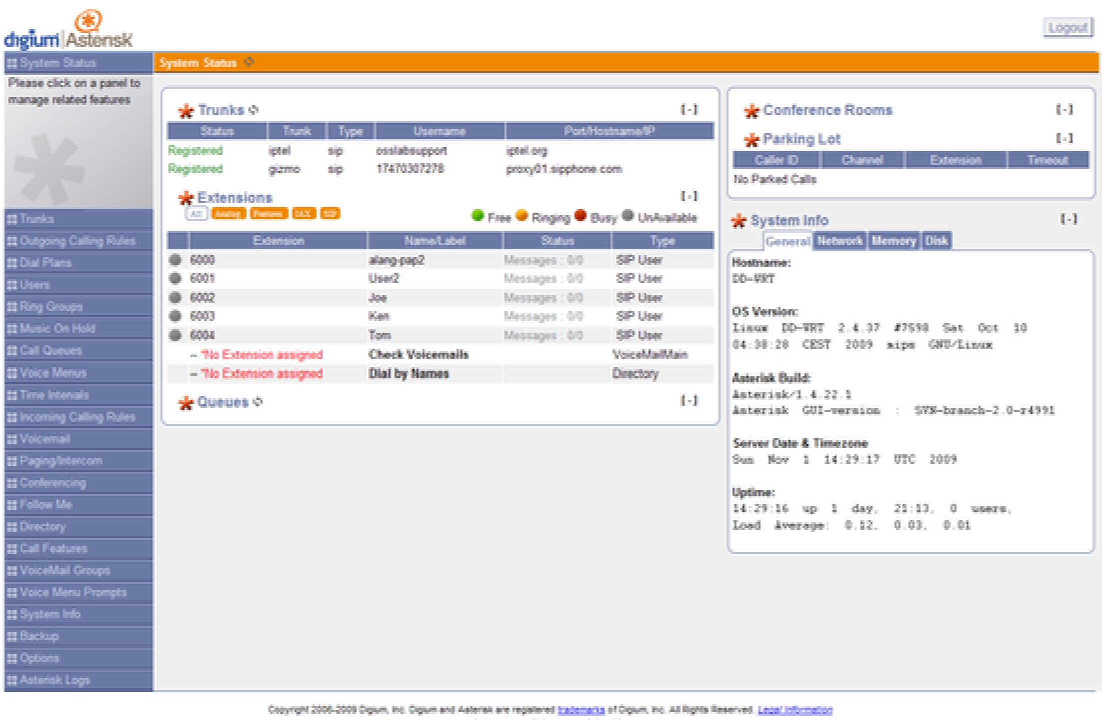
????

- [Asterisk GUI for Asterisk 1.8]

??????????

? DD-WRT ?????????? [?? IP PBX-ASUS WL-520GU ?????]

????



??????

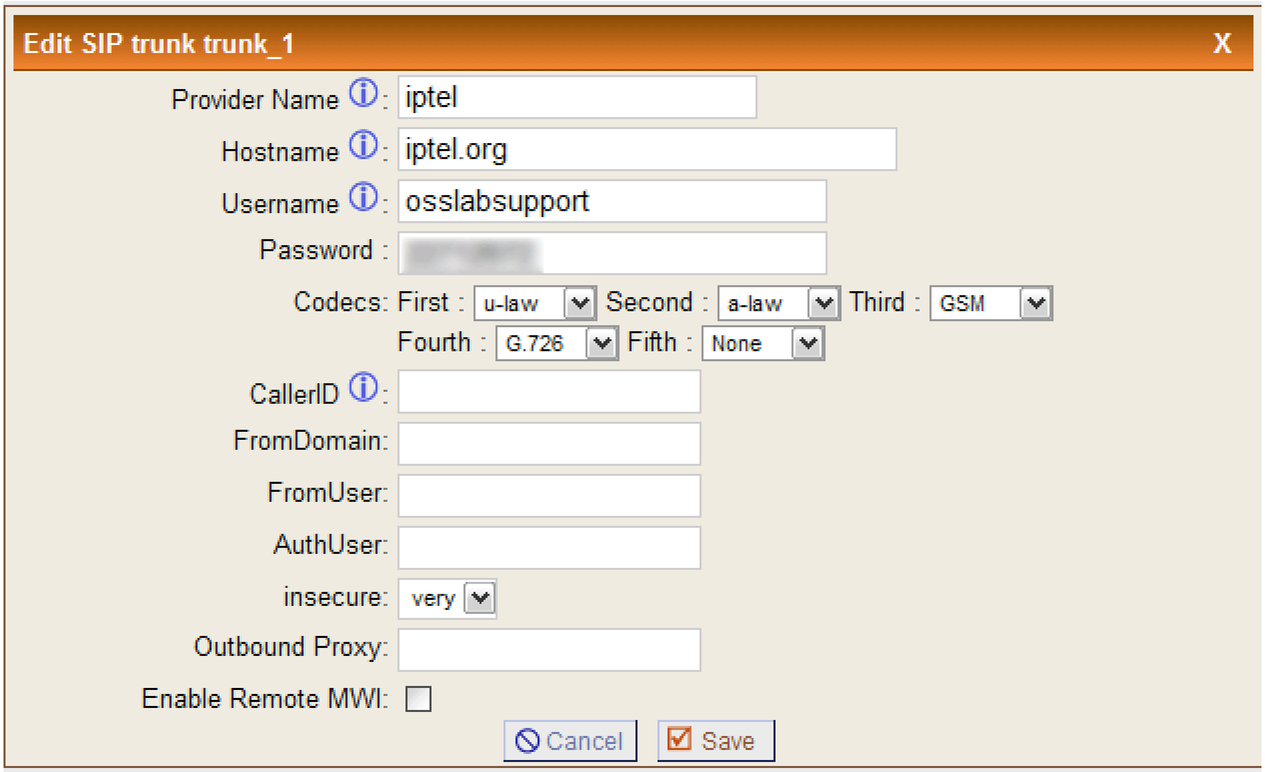
1.?? SIP Trunk

? iptel.org ??
UI > Trunks > VOIP Trunks > New SIP/IAX Trunk

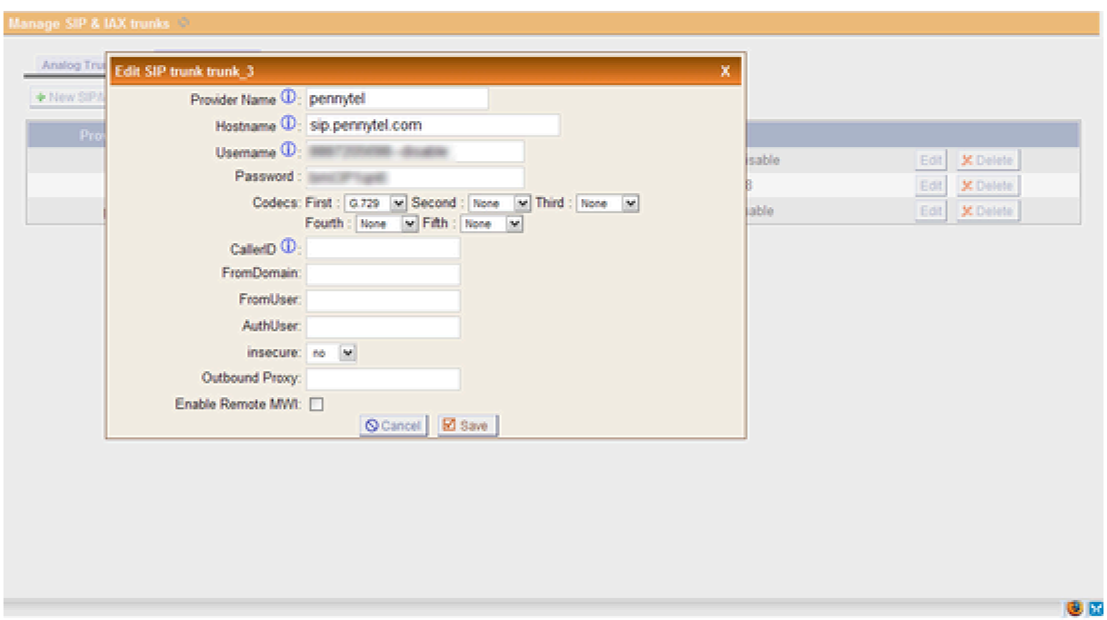
Type: **SIP**
Context Naming: **Assigned by Asterisk GUI**
Provider Name: **iptel**
Hostname: **iptel.org**
Username: **<sip_username>**
Password: **<sip_password>**

??????????????????????????????

insecure: **very**



? Pennytel ??



???

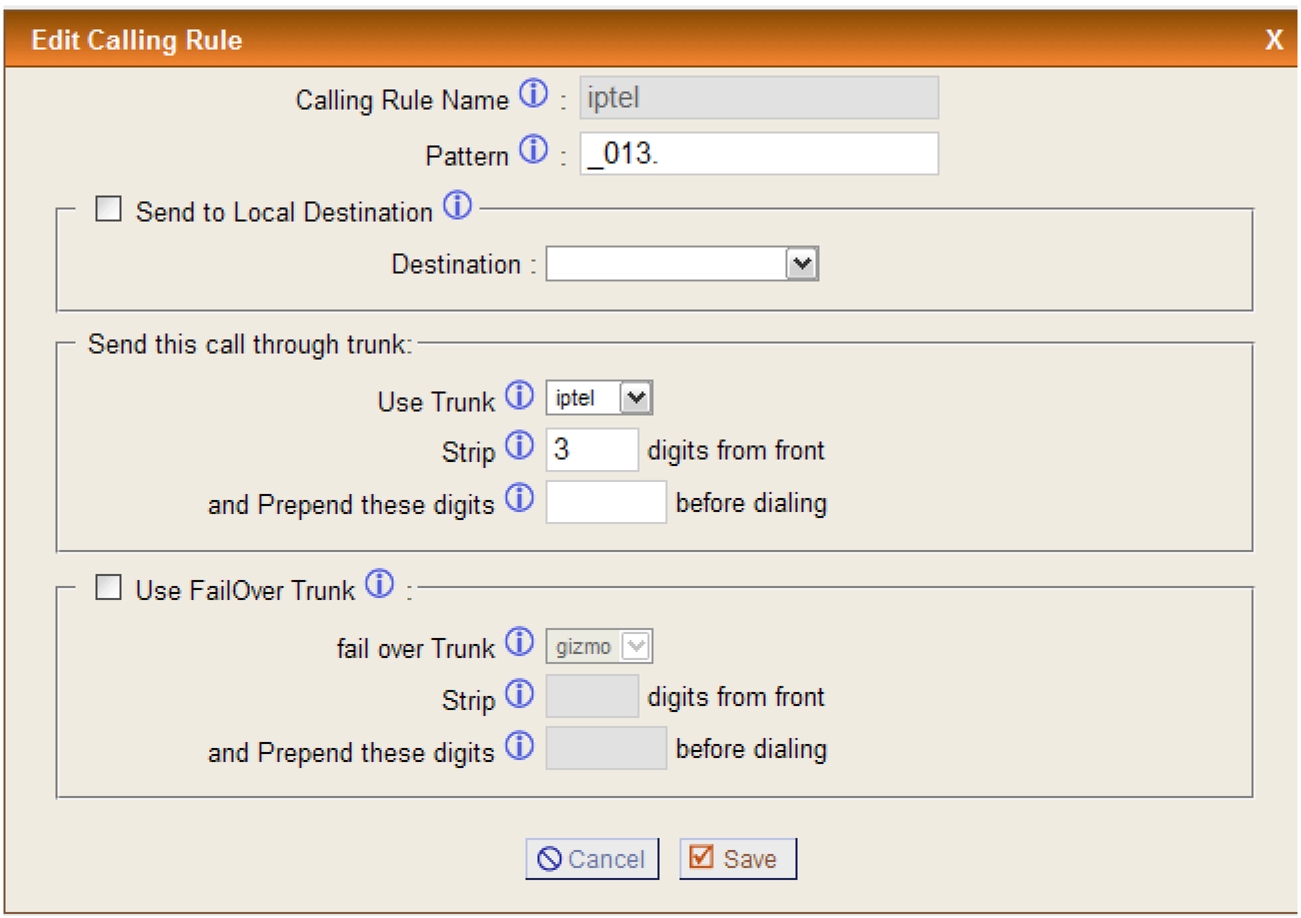
? UI ??????????????? **Apply Changes**??????????

2.?? Outbound Route

????????????? 013 ??

UI > Outgoing Calling Rules > New Calling Rule

Calling Rule Name: **iptel**
Pattern: **_013**
Send this call through trunk:
-> Use Trunk: **iptel**
-> Strip: **3**
-> and Prepend these digits: **??**



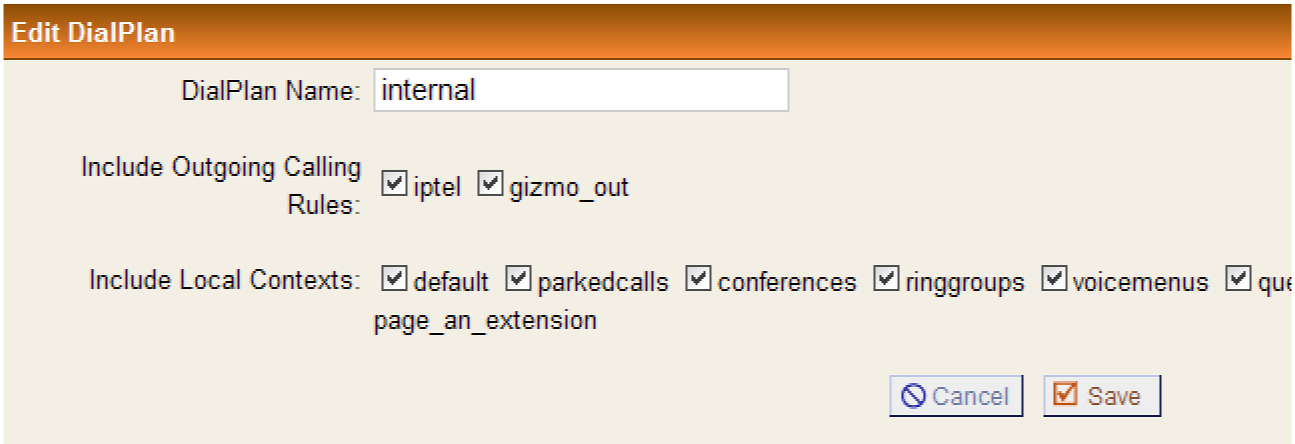
3.?? Dial Plan

??????????? dial plan???? internal?

UI > Dial Plans > New Dialplan

DialPlan Name: **internal**
Include Outgoing Calling: **iptel**
Include Local Contexts: **??**

??
include outgoing calling ???? Trunk?
include local contexts ????????????????

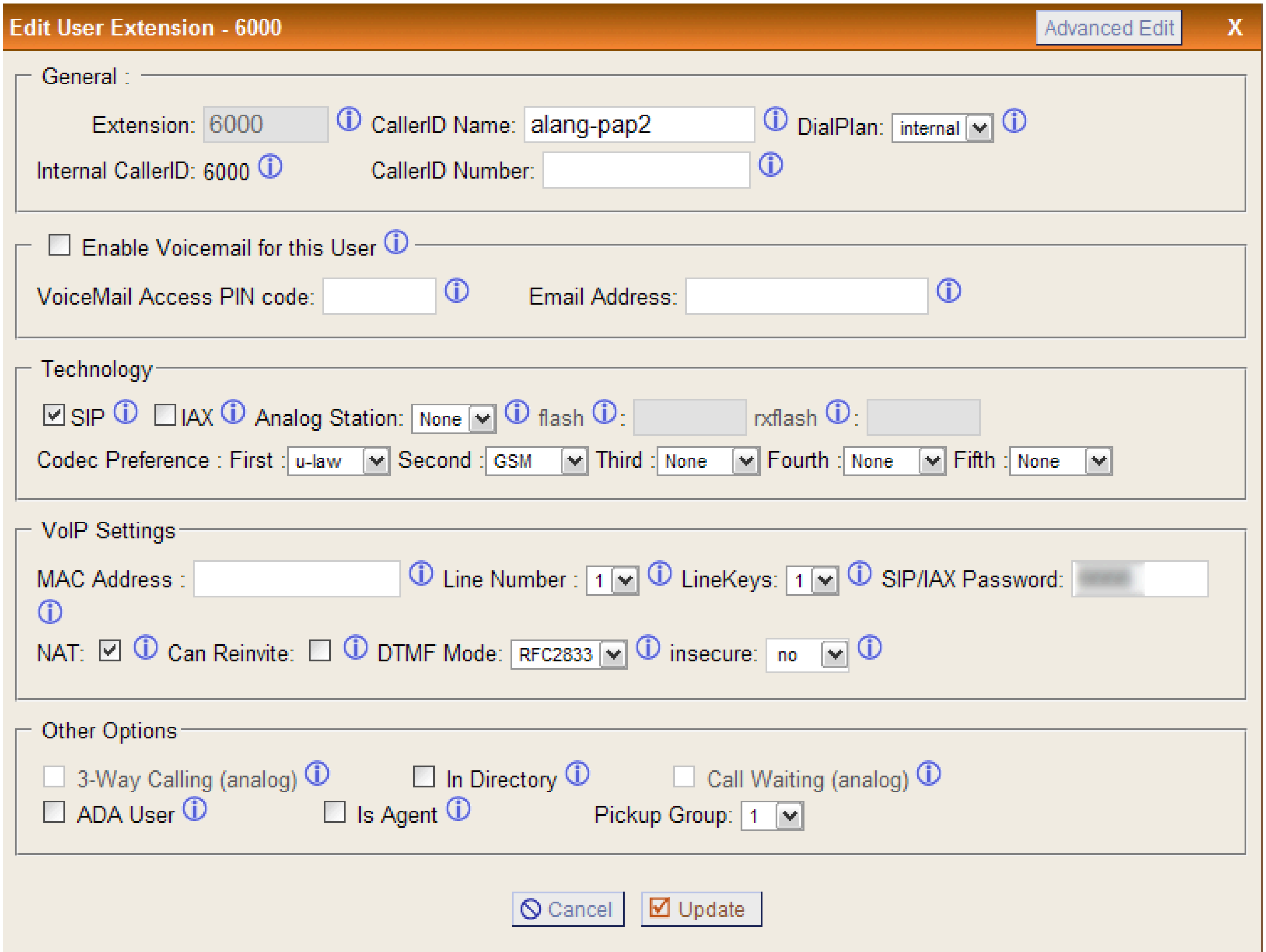


4.????

UI > Users > Create New User

Extension: **6000 ???????**
CallerID Name: **????(??)**
DialPlan: **internal**
Technology:
-> **SIP**
VoIP Settings:
-> **NAT, Password**
?????**????????**

??
???????????? SIP ? IAX2 ???? users.conf??????? sip.conf/iax.conf ???????????????



5.?? Inbound Route

UI > Incoming Calling Rules > New Incoming Rule

Trunk: **iptel**
Time Interval: **None**
Pattern: **s**
Destination: **????**

Tips:

s ?????? CallerID ????
_2NXXXX ?? CallerID ? 2 ??????

??????

?? Linux ??)

```
#>cd /usr/src/
#>svn co http://svn.digium.com/svn/asterisk-gui/branches/2.0 asterisk-gui
```

```
#>cd asterisk-gui
#>sh configure && make && make install
```

?? Embedded System ??)

??? embedded system ????????????????????????????????????

1. ?? DD-WRT ???
2. ????/?????????
   Asterisk ??? - **/opt/etc/asterisk**
   Asterisk GUI - **/opt/var/lib/asterisk**
   Asterisk Sound - **/opt/var/lib/asterisk**

??????????????????? WinSCP ????? DD-WRT ? USB drive????????-IP PBX ASUS WL-520GU ??? ??? /mnt/?

?????? >

```
#>cd /opt/var/lib/asterisk
#>mv scripts scripts_bak
#>mv static-http static-http_bak
```

????? >

```
#>cd /mnt
#>tar -xzf astgui20_build-r4991_ddwrt_by_20091122.tar.gz
#>cd astgui20_build-r4991_ddwrt_by_20091122
#>cp -R scripts static-http /opt/var/lib/asterisk
```

?? Asterisk ??

???? GUI ???????????? /opt/etc/asterisk ????????????????????

??????

???? Asterisk ???

Asterisk#1)
Host IP = 192.168.1.1
Extension = 1XXX
Context Name = default-ast1 ;?? context ????? 1XXX ????????????? context ???

Asterisk#2)
Host IP = 192.168.1.2
Extension = 2XXX
Context Name = default-ast2 ;?? context ????? 2XXX ????????????? context ???

? Asterisk#1

1. ????????
UI > Options > Advanced Options > Show Advanced Options

2. ?? IAX trunk

UI > File Editor > iax.conf > Add Context > ?? ast-2-interconnect????

type=friend
host=192.168.1.2
trunk=yes
disallow=all
allow=ulaw
qualify=yes
context=default-ast1
peercontext=default-ast2

3. ?? Outbound Route
UI > File Editor > extensions.conf > Add Context > ?? trunk_out????

exten=_016.,1,Macro(trunkdial,IAX2/ast-2-interconnect/${EXTEN:3})

????????????? 016 + ????????

? Asterisk#2

1. ????????
UI > Options > Advanced Options > Show Advanced Options

2. ?? IAX trunk
UI > File Editor > iax.conf > Add Context > ?? ast-1-interconnect????

type=friend
host=192.168.1.1
trunk=yes
disallow=all
allow=ulaw
qualify=yes
context=default-ast2
peercontext=default-ast1

3. ?? Outbound Route
UI > File Editor > extensions.conf > Add Context > ?? trunk_out????

exten=_016.,1,Macro(trunkdial,IAX2/ast-1-interconnect/${EXTEN:3})

????????????? 016 + ????????

Q & A

Q: ?? URL ??????????????

A: ?? /etc/http.conf

```
bindaddr = 0.0.0.0
bindport = 80
prefix =
enablestatic = yes
redirect = / /static/config/index.html
```

????

```
>asterisk -rx "http show status"
```

```
HTTP Server Status:
Prefix:
Server Enabled and Bound to 0.0.0.0:80

Enabled URI's:
/httpstatus => Asterisk HTTP General Status
/phoneprov/... => Asterisk HTTP Phone Provisioning Tool
/amanager => HTML Manager Event Interface w/Digest authentication
/arawman => Raw HTTP Manager Event Interface w/Digest authentication
/manager => HTML Manager Event Interface
/rawman => Raw HTTP Manager Event Interface
/static/... => Asterisk HTTP Static Delivery
/amxml => XML Manager Event Interface w/Digest authentication
/mxml => XML Manager Event Interface

Enabled Redirects:
 / => /static/config/index.html
```

Q: ?? Debug ?????????????

A??? config/js/session.js

log: true, /**< boolean toggling logging */

??????

- Developing for the Asterisk GUI