Technical document group 10

Our voice application allows a caller to select his preferred language and nearest city. Based on these options, the caller will receive a weather update for a specific day (or if expanded, days).

Extensions.conf

The conf file only relies on DTMF input and local SLN files.

```
[default]
exten =>_.,1,Goto(menu,s,1)
[menu]
exten => s,1,Playback(beep)
exten => s,n,Playback(beep)
exten => s,n,Playback(/var/lib/asterisk/sounds/custom/lang1/lang1press1)
exten => s,n,Playback(/var/lib/asterisk/sounds/custom/lang2/lang2press2)
exten => s,n,WaitExten
exten => 1,1,Goto(lang1,s,1)
exten => 2,1,Goto(lang2,s,1)


[lang1]
exten => s,1,Playback(/var/lib/asterisk/sounds/custom/lang1/town/selectedlanguage)
exten => s,n,Playback(/var/lib/asterisk/sounds/custom/lang1/town/tamalepress1)
exten => s,n,Playback(/var/lib/asterisk/sounds/custom/lang1/town/wapress2)
exten => s,n,Playback(/var/lib/asterisk/sounds/custom/lang1/town/damongopress3)
exten => s,n,Playback(/var/lib/asterisk/sounds/custom/lang1/town/bolgatangapress4)
exten => s,n,Playback(/var/lib/asterisk/sounds/custom/lang1/town/yendipress5)
exten => s,n,WaitExten
exten => 1,1,Goto(lang1-tamale,s,10)
exten => 2,1,Goto(lang1-wa,s,20)
exten => 3,1,Goto(lang1-damongo,s,30)
exten => 4,1,Goto(lang1-bolgatanga,s,40)
exten => 5,1,Goto(lang1-yendi,s,50)


[lang1-tamale]
exten => s,10,Playback(/var/lib/asterisk/sounds/custom/lang1/day/monday)
```

```
exten => s,n,Playback(/var/lib/asterisk/sounds/custom/lang1/rain/heavyrain)

exten => s,n,Wait(2)


[lang1-wa]

exten => s,20,Playback(/var/lib/asterisk/sounds/custom/lang1/day/sunday)

exten => s,n,Playback(/var/lib/asterisk/sounds/custom/lang1/rain/norain)

exten => s,n,Wait(2)


[lang1-damongo]

exten => s,30,Playback(/var/lib/asterisk/sounds/custom/lang1/day/wednesday)

exten => s,n,Playback(/var/lib/asterisk/sounds/custom/lang1/rain/norain)

exten => s,n,Wait(2)


[lang1-bolgatanga]

exten => s,40,Playback(/var/lib/asterisk/sounds/custom/lang1/day/tuesday)

exten => s,n,Playback(/var/lib/asterisk/sounds/custom/lang1/rain/heavyrain)

exten => s,n,Wait(2)


[lang1-yendi]

exten => s,50,Playback(/var/lib/asterisk/sounds/custom/lang1/day/thursday)

exten => s,n,Playback(/var/lib/asterisk/sounds/custom/lang1/rain/norain)

exten => s,n,Wait(2)


[lang2]

exten => s,1,Playback(/var/lib/asterisk/sounds/custom/lang2/town/selectedlanguage)

exten => s,n,Playback(/var/lib/asterisk/sounds/custom/lang2/town/tamalepress1)

exten => s,n,Playback(/var/lib/asterisk/sounds/custom/lang2/town/wapress2)

exten => s,n,Playback(/var/lib/asterisk/sounds/custom/lang2/town/damongopress3)

exten => s,n,Playback(/var/lib/asterisk/sounds/custom/lang2/town/bolgatangapress4)

exten => s,n,Playback(/var/lib/asterisk/sounds/custom/lang2/town/yendipress5)

exten => s,n,WaitExten

exten => 1,1,Goto(lang2-tamale,s,10)

exten => 2,1,Goto(lang2-wa,s,20)

exten => 3,1,Goto(lang2-damongo,s,30)
```

```
exten => 4,1,Goto(lang2-bolgatanga,s,40)
exten => 5,1,Goto(lang2-yendi,s,50)


[lang2-tamale]
exten => s,10,Playback(/var/lib/asterisk/sounds/custom/lang2/day/monday)
exten => s,n,Playback(/var/lib/asterisk/sounds/custom/lang2/rain/heavyrain)
exten => s,n,Wait(2)


[lang2-wa]
exten => s,20,Playback(/var/lib/asterisk/sounds/custom/lang2/day/sunday)
exten => s,n,Playback(/var/lib/asterisk/sounds/custom/lang2/rain/violentrain)
exten => s,n,Wait(2)


[lang2-damongo]
exten => s,30,Playback(/var/lib/asterisk/sounds/custom/lang2/day/wednesday)
exten => s,n,Playback(/var/lib/asterisk/sounds/custom/lang2/rain/norain)
exten => s,n,Wait(2)


[lang2-bolgatanga]
exten => s,40,Playback(/var/lib/asterisk/sounds/custom/lang2/day/tuesday)
exten => s,n,Playback(/var/lib/asterisk/sounds/custom/lang2/rain/violentrain)
exten => s,n,Wait(2)


[lang2-yendi]
exten => s,50,Playback(/var/lib/asterisk/sounds/custom/lang2/day/thursday)
exten => s,n,Playback(/var/lib/asterisk/sounds/custom/lang2/rain/lightrain)
exten => s,n,Wait(2)
```

Sound samples
The sound samples should be located in the /var/lib/asterisk/sounds/custom folder

Language one (English)

Folder	Description	File
/var/lib/asterisk/sounds/custom/lang1	Press one for English	Lang1press1.sln
/var/lib/asterisk/sounds/custom/lang1/town	You have selected English	selectedlanguage.sln
/var/lib/asterisk/sounds/custom/lang1/town	For Tamale press one	tamalepress1.sln
/var/lib/asterisk/sounds/custom/lang1/town	For Wa press two	wapress2.sln
/var/lib/asterisk/sounds/custom/lang1/town	For Damongo press three	damongopress3.sln
/var/lib/asterisk/sounds/custom/lang1/town	For Bolgatanga press four	bolgatangapress4.sln
/var/lib/asterisk/sounds/custom/lang1/town	For Yendi press five	yendipress5.sln
/var/lib/asterisk/sounds/custom/lang1/day	Monday	monday.sln
/var/lib/asterisk/sounds/custom/lang1/day	Tuesday	tuesday.sln
/var/lib/asterisk/sounds/custom/lang1/day	Wednesday	wednesday.sln
/var/lib/asterisk/sounds/custom/lang1/day	Thursday	thursday.sln
/var/lib/asterisk/sounds/custom/lang1/day	Friday	friday.sln
/var/lib/asterisk/sounds/custom/lang1/day	Saturday	saturday.sln
/var/lib/asterisk/sounds/custom/lang1/day	Sunday	sunday.sln
/var/lib/asterisk/sounds/custom/lang1/rain	No rain	norain.sln
/var/lib/asterisk/sounds/custom/lang1/rain	Light rain	lightrain.sln
/var/lib/asterisk/sounds/custom/lang1/rain	Moderate rain	moderaterain.sln
/var/lib/asterisk/sounds/custom/lang1/rain	Heavy rain	heavyrain.sln
/var/lib/asterisk/sounds/custom/lang1/rain	Violent rain	violentrain.sln

Language two (Twi)

Folder	Description	File
/var/lib/asterisk/sounds/custom/lang2	Press two for Twi	lang2press2.sln
/var/lib/asterisk/sounds/custom/lang2/town	You have selected Twi	selectedlanguage.sln
/var/lib/asterisk/sounds/custom/lang2/town	For Tamale press one	tamalepress1.sln
/var/lib/asterisk/sounds/custom/lang2/town	For Wa press two	wapress2.sln
/var/lib/asterisk/sounds/custom/lang2/town	For Damongo press three	damongopress3.sln
/var/lib/asterisk/sounds/custom/lang2/town	For Bolgatanga press four	bolgatangapress4.sln
/var/lib/asterisk/sounds/custom/lang2/town	For Yendi press five	yendipress5.sln
/var/lib/asterisk/sounds/custom/lang2/day	Monday	monday.sln
/var/lib/asterisk/sounds/custom/lang2/day	Tuesday	tuesday.sln
/var/lib/asterisk/sounds/custom/lang2/day	Wednesday	wednesday.sln
/var/lib/asterisk/sounds/custom/lang2/day	Thursday	thursday.sln
/var/lib/asterisk/sounds/custom/lang2/day	Friday	friday.sln
/var/lib/asterisk/sounds/custom/lang2/day	Saturday	saturday.sln
/var/lib/asterisk/sounds/custom/lang2/day	Sunday	sunday.sln
/var/lib/asterisk/sounds/custom/lang2/rain	No rain	norain.sln
/var/lib/asterisk/sounds/custom/lang2/rain	Light rain	lightrain.sln
/var/lib/asterisk/sounds/custom/lang2/rain	Moderate rain	moderaterain.sln
/var/lib/asterisk/sounds/custom/lang2/rain	Heavy rain	heavyrain.sln
/var/lib/asterisk/sounds/custom/lang2/rain	Violent rain	violentrain.sln

Questions for end-users

1. Are the selectable towns in the menu (Tamale-Yendi) sufficient?
2. Are the days of week in the weather report sufficient, or do you prefer a different method?
3. Is the 5-point grading scale in types of rain sufficient?
4. Is there any specific information you would like to be in the weather report?
5. Do you prefer to listen to the weather report, or would like to receive a text-message instead?
6. Are you willing to pay for this service?