



VerCom Systems is pleased to announce the an Updated Release of IPlex 4.2-15

4.2-15 release addresses the following Items:

- Numerous undocumented features (aka bugs) have been fixed.
- Added OSLEC (Open Source Echo Cancellation) Support
- Updated to asterisk-1.2.27 (Version 1.4 will be addressed in the June timeframe)
- Updated zaptel to 1.2.24 (1.2.25 results in some identified issues related to the hotplug firmware used by some digium tdm cards).
 - Added kernel support for cc-4.2 pre-service pack 1 (kernel 2-2.6.18_8.1.14.3.cc)
 - Added kernel support for cc-4.2+SPK1 (kernel=2.6.18-53.1.13.2)
 - Added 3 Echo cancellation routines allowing the end user to choose the one that best suites their environment { KB1, MG2(VerCom modified version), or OSLEC}
 - It is recommended that you start out with MG2.

NOTE: REGARDING OSLEC!!!!

YOU MUST comment out echotraining in the zapata.conf or you will have no audio. This is accomplished by going to IPlex->(Provisioning)Lines. Place a semicolon ";" in front of the line echotraining.

If you change from OSLEC to MG2 or KB1 you will need to REMOVE the semicolon.

In the upcoming iplex-webconfig release, you will be able to change echo cancellation routines directly from the Webconfig gui. This will eliminate the manual editing of the zapata.conf file. It is expected to be available at the beginning of May.



New installations of IPlex:

- Login to your ClarkConnect server via the console, or a remote SSH connection.
- Go to the /etc/apt/sources.list.d directory:
`cd /etc/apt/sources.list.d`
- Create a new file vercom.list with the appropriate software download information:
`echo "rpm ftp://iplex-lite:rickytic@apt.iplexconnect.com System iplex" > vercom.list`
- Update and install the IPlex software:
`apt-get update`
- Determine your Kernel Version:
`uname -r`

If your Kernel version is 2-2.6.18-8.1.14.3.cc GOTO "**ClarkConnect 4.2 PRE SPK1 NEW Installation:**"

If your Kernel version is 2.6.18-53.1.13.2.cc GOTO "**ClarkConnect 4.2 POST SPK1 NEW Installation:**"

ClarkConnect 4.2 PRE SPK1 NEW Installation:

Decide on your ECHO CANCELATION ROUTINE "kb1", "mg2", "oslec"

It is recommended that you start out with MG2.

```
apt-get install iplex-webconfig iplexzaptel-modules-<ECHO CAN CHOICE>-2-2.6.18_8.1.14.3.cc
NOTICE the "_" in the kernel name.....
```

You are running kernel 2.6.18-8.1.14.3.cc and want to install the mg2 echo canceller.

- Install IPlex:
`apt-get install iplex-webconfig iplexzaptel-modules-mg2-2.6.18_8.1.14.3.cc`
NOTICE the "_" underscore not the - in the kernel name
- Start IPlex:
`ipllexportal kill; service zaptel restart; ipllexportal start`



ClarkConnect 4.2 POST SPK1 NEW Installation:

Decide on your ECHO CANCELATION ROUTINE "kb1", "mg2", "oslec"

It is recommended that you start out with MG2.

apt-get install iplex-webconfig iplexzaptel-modules-<ECHO CAN CHOICE>-2-2.6.18_53.1.13.2.cc

NOTICE the "_" in the kernel name.....

You are running kernel 2.6.18_53.1.13.2.cc and want to install the kb1 echo canceller

- Install IPlex:
apt-get install iplex-webconfig iplexzaptel-modules-kb1-2.6.18_53.1.13.2.cc

NOTICE the "_" underscore not the - in the kernel name

- Start IPlex:
iplexportal kill; service zaptel restart; iplexportal start



UPGRADING IPlex to 4.2-15:

- Login to your ClarkConnect server via the console, or a remote SSH connection.
- Update and install the IPlex software:
`apt-get update`
- Determine your Kernel Version:
`uname -r`

If your Kernel version is 2-2.6.18-8.1.14.3.cc GOTO " **ClarkConnect 4.2 PRE SPK1 UPGRADE:**"

If your Kernel version is 2.6.18-53.1.13.2.cc GOTO "**ClarkConnect 4.2 POST SPK1 UPGRADE:**"

ClarkConnect 4.2 PRE SPK1 UPGRADE:

Decide on your ECHO CANCELATION ROUTINE "kb1", "mg2", "oslec"

It is recommended that you start out with MG2.

```
apt-get install asterisk iplex-webconfig iplexzaptel-modules-<ECHO CAN  
CHOICE>-2-2.6.18_8.1.14.3.cc  
NOTICE the "_" in the kernel name.....
```

You are running kernel 2.6.18-8.1.14.3.cc and want to install the mg2 echo canceller.

MAKE CERTAIN YOU LIST THEM IN THIS ORDER.

- Install IPlex:
`apt-get install asterisk iplex-webconfig iplexzaptel-modules-mg2-2.6.18_8.1.14.3.cc`

MAKE CERTAIN YOU LIST THEM IN THIS ORDER.

NOTICE the "_" underscore not the - in the kernel name

ignore the following warnings that will display during the installation

```
warning: /etc/asterisk/extensions.conf created as /etc/asterisk/extensions.conf.rpmnew  
warning: /etc/asterisk/skinny.conf saved as /etc/asterisk/skinny.conf.rpmsave  
warning: /etc/asterisk/iaxprov.conf saved as /etc/asterisk/iaxprov.conf.rpmsave
```

- ReStart IPlex:
`iplexportal kill; service zaptel restart; iplexportal start`



ClarkConnect 4.2 POST SPK1 UPGRADE:

Decide on your ECHO CANCELATION ROUTINE "kb1", "mg2", "oslec"

It is recommended that you start out with MG2.

```
apt-get install asterisk iplex-webconfig iplexzaptel-modules-<ECHO CAN  
CHOICE>-2.6.18_53.1.13.2.cc  
NOTICE the "_" in the kernel name.....
```

You are running kernel 2.6.18_53.1.13.2.cc and want to install the mg2 echo
canceller

MAKE CERTAIN YOU LIST THEM IN THIS ORDER.

apt-get install asterisk iplex-webconfig iplexzaptel-modules-mg2-2.6.18_53.1.13.2.cc

MAKE CERTAIN YOU LIST THEM IN THIS ORDER.

NOTICE the "_" underscore not the - in the kernel name

ignore the following warnings that will display during the installation

```
warning: /etc/asterisk/extensions.conf created as  
/etc/asterisk/extensions.conf.rpmnew  
warning: /etc/asterisk/skinny.conf saved as /etc/asterisk/skinny.conf.rpmsave  
warning: /etc/asterisk/iaxprov.conf saved as /etc/asterisk/iaxprov.conf.rpmsave
```

- ReStart IPlex:

ipllexportal kill; service zaptel restart; ipllexportal start



Changing Echo Cancellation Routines:

- Login to your ClarkConnect server via the console, or a remote SSH connection.
- Update and install the IPlex software:
`apt-get update`
- Determine your Kernel Version:
`uname -r`

If your Kernel version is 2-2.6.18-8.1.14.3.cc GOTO "**ClarkConnect 4.2 PRE SPK1 Echo Cancellation:**"

If your Kernel version is 2.6.18-53.1.13.2.cc GOTO "**ClarkConnect 4.2 POST SPK1 Echo Cancellation:**"

ClarkConnect 4.2 PRE SPK1 Echo Cancellation:

Decide on your ECHO CANCELATION ROUTINE "kb1", "mg2", "oslec"

`apt-get install iplexzaptel-modules-<ECHO CAN CHOICE>-2-2.6.18_8.1.14.3.cc`
NOTICE the "_" in the kernel name.....

You are running kernel 2.6.18-8.1.14.3.cc and want to install the kb1 echo canceller.

`apt-get install iplexzaptel-modules-kb1-2.6.18_8.1.14.3.cc`
NOTICE the "_" underscore not the - in the kernel name

You are running kernel 2.6.18-8.1.14.3.cc and want to install the oslec echo canceller.

`apt-get install iplexzaptel-modules-oslec-2.6.18_8.1.14.3.cc`
NOTICE the "_" underscore not the - in the kernel name

You are running kernel 2.6.18-8.1.14.3.cc and want to install the mg2 echo canceller.

`apt-get install iplexzaptel-modules-mg2-2.6.18_8.1.14.3.cc`
NOTICE the "_" underscore not the - in the kernel name

- ReStart IPlex:
`iplexportal kill; service zaptel restart; iplexportal start`



ClarkConnect 4.2 POST SPK1 Echo Cancellation:

Decide on your ECHO CANCELATION ROUTINE "kb1", "mg2", "oslec"

```
apt-get install iplexzaptel-modules-<ECHO CAN CHOICE>-  
2.6.18_53.1.13.2.cc  
NOTICE the "_" in the kernel name.....
```

You are running kernel 2.6.18_53.1.13.2.cc and want to install the kb1 echo canceller.

```
apt-get install iplexzaptel-modules-kb1-2.6.18_53.1.13.2.cc  
NOTICE the "_" underscore not the - in the kernel name
```

You are running kernel 2.6.18-8.1.14.3.cc and want to install the oslec echo canceller.

```
apt-get install iplexzaptel-modules-oslec-2.6.18_53.1.13.2.cc  
NOTICE the "_" underscore not the - in the kernel name
```

You are running kernel 2.6.18-8.1.14.3.cc and want to install the mg2 echo canceller.

```
apt-get install iplexzaptel-modules-mg2-2.6.18_53.1.13.2.cc  
NOTICE the "_" underscore not the - in the kernel name
```

- ReStart IPlex:

```
iplexportal kill; service zaptel restart; iplexportal start
```