Ejemplo de configuración de un router en modo setup

El desarrollo corresponde a un router Cisco 2620 con un sistema operativo IOS 12.1

```
--- System Configuration Dialog ---

Would you like to enter the initial configuration dialog? [yes/no]: yes
```

Si se elige responder no, entonces se accederá al prompt de modo usuario sin ninguna configuración.

```
At any point you may enter a question mark '?' for help.
Use ctrl-c to abort configuration dialog at any prompt.
Default settings are in square brackets '[]'.

Basic management setup configures only enough connectivity
for management of the system, extended setup will ask you
to configure each interface on the system

Would you like to enter basic management setup? [yes/no]:no
```

Recuerde que hay dos opciones de modo septup.: básica y extendida. Para este ejemplo hemos elegido la extendida. La opción básica sólo permite seleccionar y configurar una interface.

```
First, would you like to see the current interface summary? [yes]:

Any interface listed with OK? value "NO" does not have a valid
configuration

Interface              IP-Address      OK? Method Status                Prol
FastEthernet0/0        unassigned      NO  unset  up                    dow
Serial0/0              unassigned      NO  unset  down                  dow
Serial0/1              unassigned      NO  unset  down                  dow

Configuring global parameters:

Enter host name [Router]: Lab_A
```

Luego de configurar un nombre para el dispositivo, requiere que se configuren las claves de acceso.

```
  The enable secret is a password used to protect access to
  privileged EXEC and configuration modes. This password, after
  entered, becomes encrypted in the configuration.
  Enter enable secret: class

  The enable password is used when you do not specify an
  enable secret password, with some older software versions, and
  some boot images.
  Enter enable password: cisco
```

Si selecciona la misma clave que para la enable secret, el sistema le advertirá que no es conveniente ya que esta clave no está de suyo encriptada y la ofrecerá nuevamente configurar una clave diferente .

Si insiste el sistema admitirá que ambas claves sean iguales.

```
  The virtual terminal password is used to protect
  access to the router over a network interface.
  Enter virtual terminal password: cisco

  Configure SNMP Network Management? [yes]: no
  Configure IP? [yes]:
    Configure IGRP routing? [yes]: no
    Configure RIP routing? [no]: yes
  Configure bridging? [no]:
```

Si elige configurar IGRP, requerirá un n úmero de sistema autónomo. El sistema asumirá automáticamente como redes a escuchar con el protocolo de enrutamiento las que corresponden a las interfaces que configurará a continuación.

```
Async lines accept incoming modems calls. If you will have
users dialing in via modems, configure these lines.

  Configure Async lines? [yes]: no
```

A continuación requiere que se configuren las interfaces de red. El formato de la máscara de subred depende de la versión de sistema operativo.

```
Configuring interface parameters:

Do you want to configure FastEthernet0/0  interface? [yes]:
  Use the 100 Base-TX (RJ-45) connector? [yes]:
  Operate in full-duplex mode? [no]: yes
  Configure IP on this interface? [yes]:
    IP address for this interface: 172.16.1.1
    Subnet mask for this interface [255.255.0.0] : 255.255.255.0
    Class B network is 172.16.0.0, 24 subnet bits; mask is /24

Do you want to configure Serial0/0  interface? [yes]:

  Some supported encapsulations are
        ppp/hdlc/frame-relay/lapb/x25/atm-dxi/smds
  Choose encapsulation type [hdlc]:

  No serial cable seen.
  Choose mode from (dce/dte)  [dte]:
  Configure IP on this interface? [yes]:
  Configure IP unnumbered on this interface? [no]:
    IP address for this interface: 172.16.2.1
    Subnet mask for this interface [255.255.0.0] : 255.255.255.0
    Class B network is 172.16.0.0, 24 subnet bits; mask is /24

Do you want to configure Serial0/1  interface? [yes]:

  Some supported encapsulations are
        ppp/hdlc/frame-relay/lapb/x25/atm-dxi/smds
  Choose encapsulation type [hdlc]: ppp
```

```
No serial cable seen.
Choose mode from (dce/dte)  [dte]: dce

Serial interface needs clock rate to be set in dce mode.
The following clock rates are supported on the serial interface.
      1200, 2400, 4800, 9600, 14400, 19200
      28800, 32000, 38400, 56000, 57600, 64000
      72000, 115200, 125000, 128000, 148000, 500000
      800000, 1000000, 1300000, 2000000, 4000000, 8000000

choose speed from above : [2000000]: 64000
Configure IP on this interface? [yes]:
  IP address for this interface: 172.16.3.1
  Subnet mask for this interface [255.255.0.0] : 255.255.255.0
```

Aunque no hay ningún cable conectado al puerto serial, como indicamos que se comportará como DCE requiere la configuración de un clock expresado en bps.