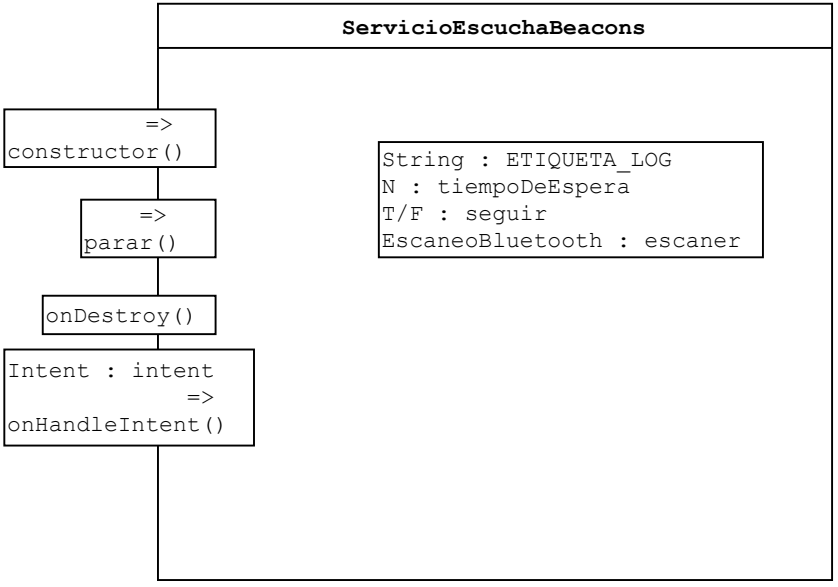
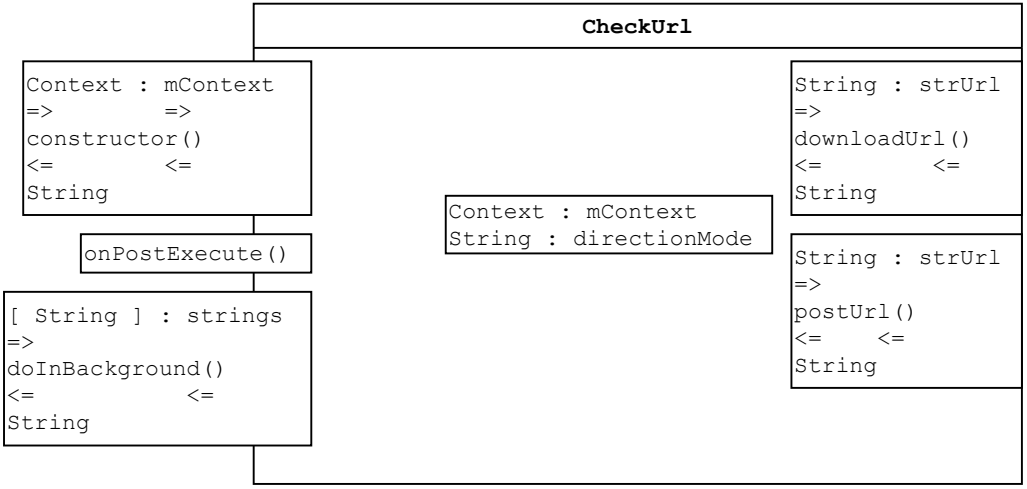
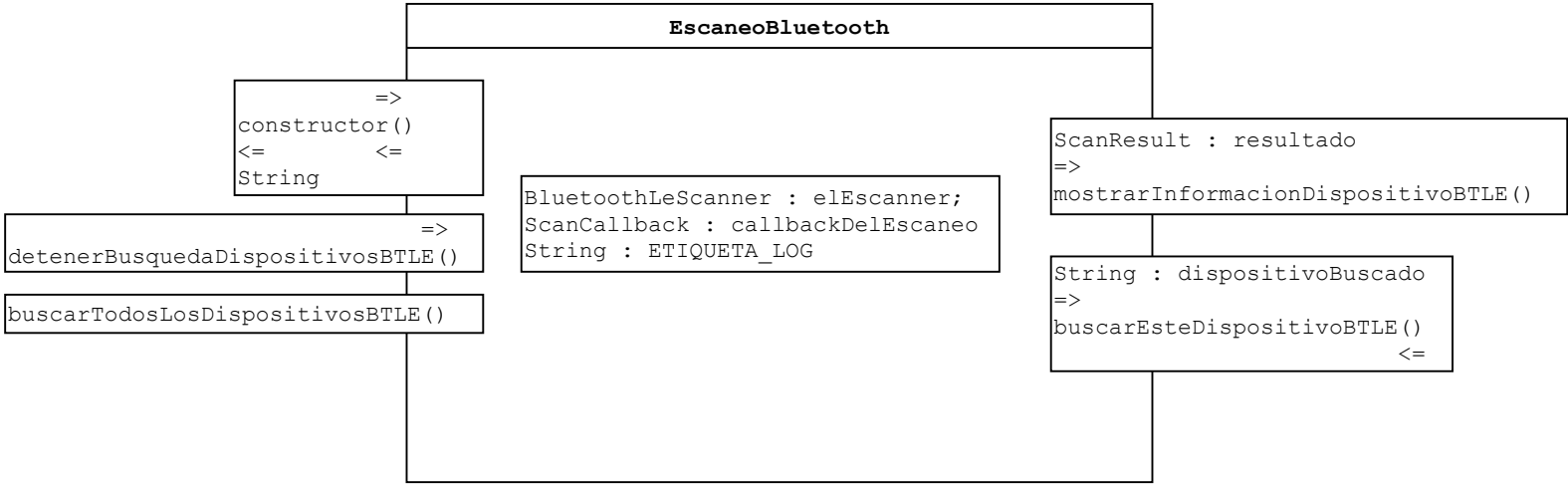
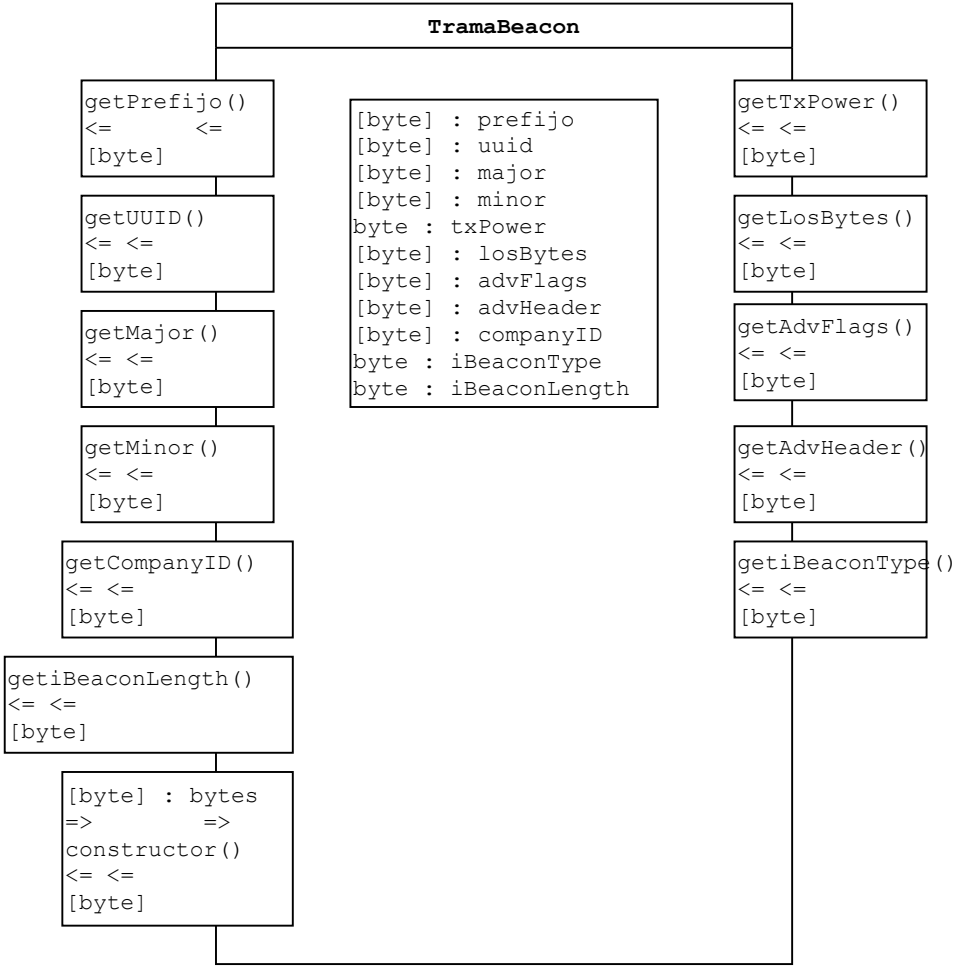
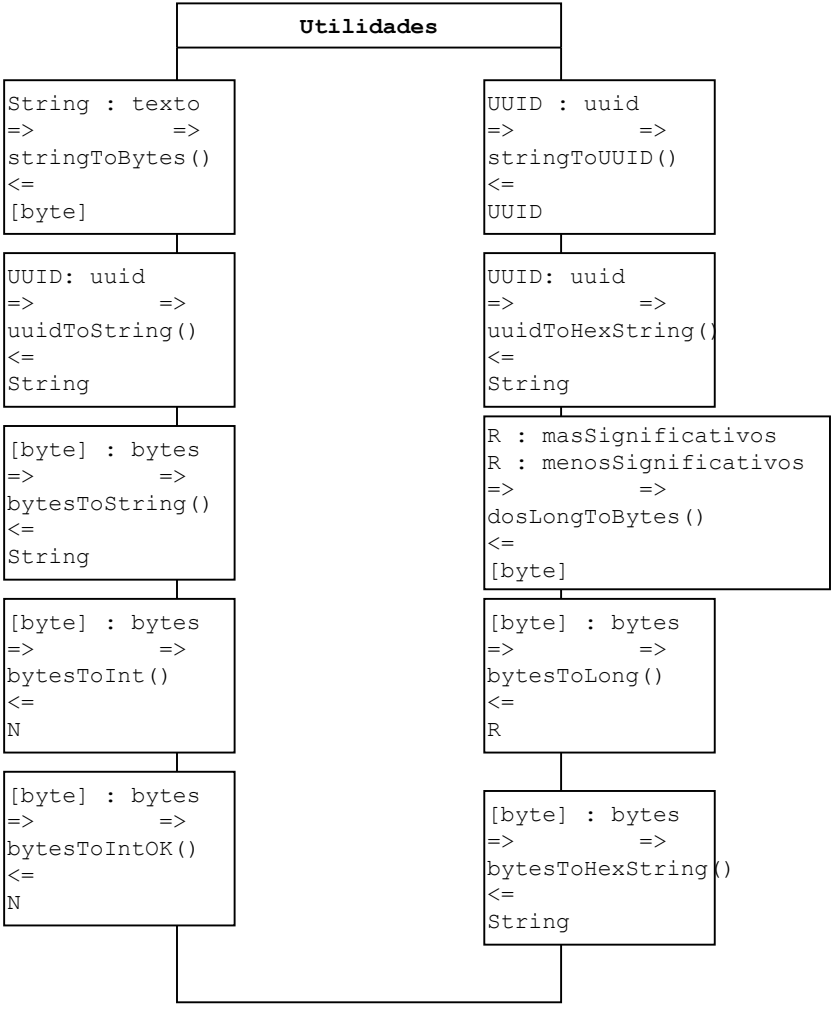

ServicioEscuchaBeacons
=>
constructor()
=>
parar()
onDestroy()
Intent : intent
=>
onHandleIntent()
String : ETIQUETA_LOG
N : tiempoDeEspera
T/F : seguir
EscaneoBluetooth : escaner


CheckUrl
Context : mContext
=> =>
constructor()
<= <=
String
onPostExecute()
[String] : strings
=>
doInBackground()
<= <=
String
Context : mContext
String : directionMode
String : strUrl
=>
downloadUrl()
<= <=
String
String : strUrl
=>
postUrl()
<= <=
String


EscaneoBluetooth
=>
constructor()
<=
<=
String
=>
detenerBusquedaDispositivosBTLE()
buscarTodosLosDispositivosBTLE()
BluetoothLeScanner : elEscanner;
ScanCallback : callbackDelEscaneo
String : ETIQUETA_LOG
ScanResult : resultado
=>
mostrarInformacionDispositivoBTLE()
String : dispositivoBuscado
=>
buscarEsteDispositivoBTLE()
<=


TramaBeacon
getPrefijo()
<= <=
[byte]
getUUID()
<= <=
[byte]
getMajor()
<= <=
[byte]
getMinor()
<= <=
[byte]
getCompanyID()
<= <=
[byte]
getiBeaconLength()
<= <=
[byte]
[byte] : bytes
=> =>
constructor()
<= <=
[byte]
[byte] : prefijo
[byte] : uuid
[byte] : major
[byte] : minor
byte : txPower
[byte] : losBytes
[byte] : advFlags
[byte] : advHeader
[byte] : companyID
byte : iBeaconType
byte : iBeaconLength
getTxPower()
<= <=
[byte]
getLosBytes()
<= <=
[byte]
getAdvFlags()
<= <=
[byte]
getAdvHeader()
<= <=
[byte]
getiBeaconType()
<= <=
[byte]


Utilidades
String : texto
=> =>
stringToBytes()
<=
[byte]
UUID : uuid
=> =>
stringToUUID()
<=
UUID
UUID: uuid
=> =>
uuidToString()
<=
String
UUID: uuid
=> =>
uuidToHexString()
<=
String
[byte] : bytes
=> =>
bytesToString()
<=
String
R : masSignificativos
R : menosSignificativos
=> =>
dosLongToBytes()
<=
[byte]
[byte] : bytes
=> =>
bytesToInt()
<=
N
[byte] : bytes
=> =>
bytesToLong()
<=
R
[byte] : bytes
=> =>
bytesToIntOK()
<=
N
[byte] : bytes
=> =>
bytesToHexString()
<=
String

Vertical Container

```
Bundle : savedInstanceState
=>      =>
onCreate()
        <=
```

```
View : view
=>     =>
recibir()
       <=
```

```
View : view
=>     =>
postear()
       <=
```

```
       =>
recibir()
       <=
```

```
View : v
=>                                          =>
botonDetenerBusquedaDispositivosBTLEPulsado()
                                            <=
```

```
Text : ETIQUETA_LOG
Context : mContext
Intent elIntentDelServicio
int : CODIGO_PETICION_PERMISOS
EscaneoBluetooth : escaneoBlue
Texto : ip
TextView : t
```

```
View : view
=>     =>
encender()
       <=
```

```
View : view
=>     =>
apagar ()
       <=
```

```
Z : requestCode
[Text] : permissions
[Z] : grantResults
=>     =>
recibir()
       <=
```

```
View : v
=>                                  =>
botonBuscarDispositivosBTLEPulsado()
                                    <=
```

```
View : v
=>                                  =>
botonBuscarNuestroDispositivoBTLEPulsado()
                                    <=
```