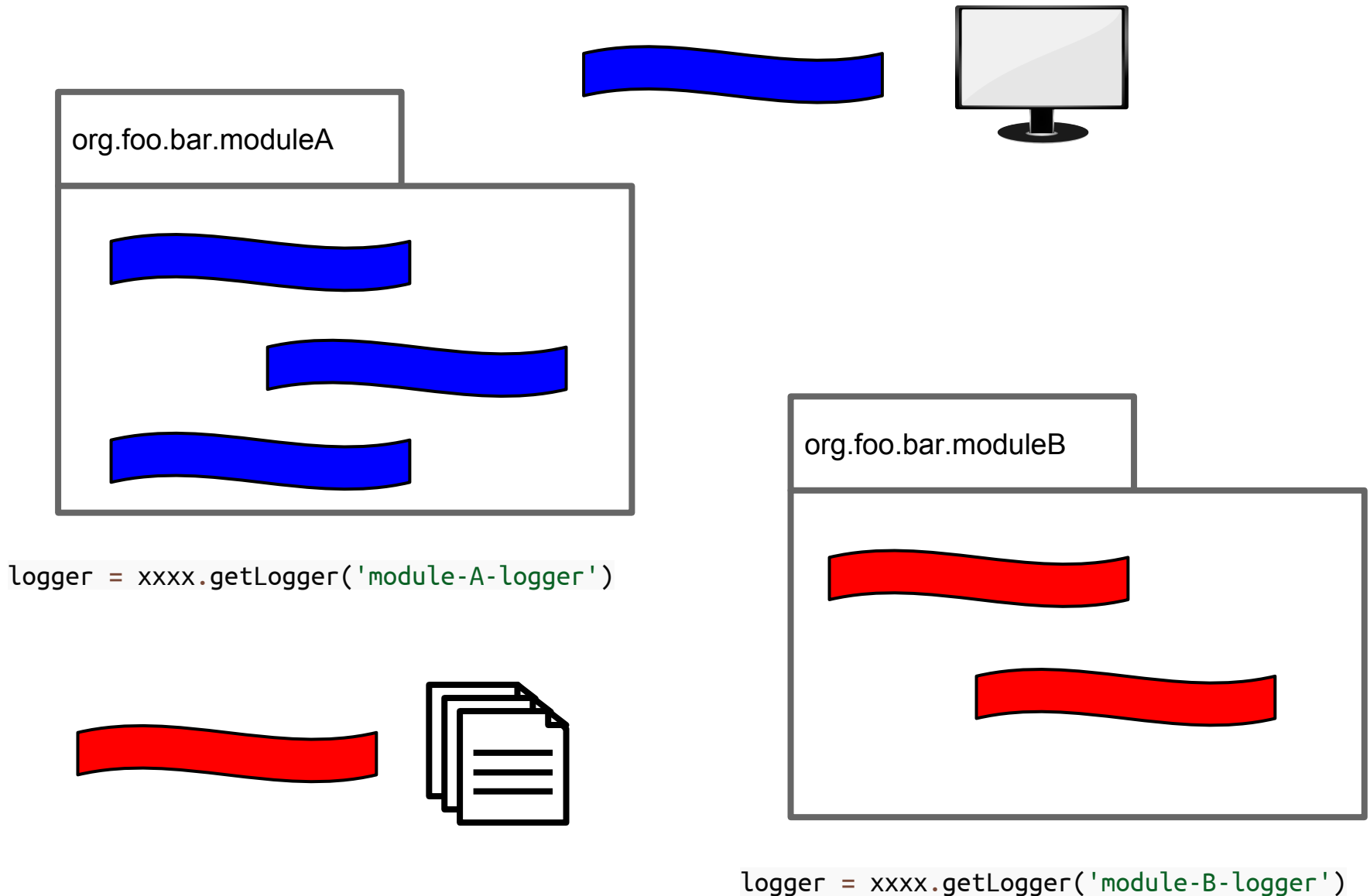# Logging

```
[   12.325681] input: USB Optical Mouse as /devices/pci0000:00/0000:00:14.0/usb3/3-2/3-2:1.0/input/input10
[   12.325848] hid-generic 0003:0461:4D22.0001: input,hidraw0: USB HID v1.11 Mouse [USB Optical Mouse] on usb-0000
[   13.255250] wlan0: authenticate with 34:4b:50:43:70:91
[   13.259111] wlan0: send auth to 34:4b:50:43:70:91 (try 1/3)
[   13.261332] wlan0: authenticated
[   13.261510] iwlwifi 0000:01:00.0 wlan0: disabling HT/VHT due to WEP/TKIP use
[   13.261515] iwlwifi 0000:01:00.0 wlan0: disabling HT as WMM/QoS is not supported by the AP
[   13.261519] iwlwifi 0000:01:00.0 wlan0: disabling VHT as WMM/QoS is not supported by the AP
[   13.262269] wlan0: associate with 34:4b:50:43:70:91 (try 1/3)
[   13.267281] wlan0: RX AssocResp from 34:4b:50:43:70:91 (capab=0x411 status=0 aid=1)
[   13.269549] wlan0: associated
[   13.269584] IPv6: ADDRCONF(NETDEV_CHANGE): wlan0: link becomes ready
[   14.159661] vboxdrv: module verification failed: signature and/or required key missing - tainting kernel
[   14.166053] vboxdrv: fAsync=0 offMin=0xec offMax=0xd50
[   14.166149] vboxdrv: TSC mode is 'synchronous', kernel timer mode is 'normal'.
[   14.384968] vboxpci: IOMMU not found (not registered)
[   14.581988] init: plymouth-stop pre-start process (1985) terminated with status 1
[ 3614.070537] usb 3-2: USB disconnect, device number 2
[ 4661.359353] usb 3-2: new low-speed USB device number 3 using xhci_hcd
[ 4661.379033] usb 3-2: New USB device found, idVendor=0461, idProduct=4d22
[ 4661.379044] usb 3-2: New USB device strings: Mfr=0, Product=2, SerialNumber=0
[ 4661.379050] usb 3-2: Product: USB Optical Mouse
[ 4661.379532] usb 3-2: ep 0x81 - rounding interval to 64 microframes, ep desc says 80 microframes
[ 4661.383039] input: USB Optical Mouse as /devices/pci0000:00/0000:00:14.0/usb3/3-2/3-2:1.0/input/input11
[ 4661.384390] hid-generic 0003:0461:4D22.0002: input,hidraw0: USB HID v1.11 Mouse [USB Optical Mouse] on usb-0000
[ 8316.076161] perf samples too long (2506 > 2500), lowering kernel.perf_event_max_sample_rate to 50000
```

reloaded

Funcionalidades

Multiples Loggers

org.foo.bar.moduleA

```
logger = xxxx.getLogger('module-A-logger')
```

org.foo.bar.moduleB

```
logger = xxxx.getLogger('module-B-logger')
```

Nuevo nivel

TRACE

DEBUG — fine-grained informational events that are most useful to debug an application

INFO — informational messages that highlight the progress of the application at coarse-grained level

WARN — potentially harmful situations

ERROR — error events that might still allow the application to continue running

FATAL — very severe error events that will presumably lead the application to abort

Level

Nuevo Formato (JSON)

{"datetime": "2001-07-04...", "level": "INFO", "logger": "LoggerName" ,"message": "processing 1 ..."}

{"datetime": "2001-07-04...", "level": "INFO", "logger": "LoggerName" ,"message": "processing 2 ..."}

{"datetime": "2001-07-04...", "level": "INFO", "logger": "LoggerName" ,"message": "processing 4 ..."}

{"datetime": "2001-07-04...", "level": "INFO", "logger": "LoggerName" ,"message": "processing 5 ..."}

{"datetime": "2001-07-04...", "level": "INFO", "logger": "LoggerName" ,"message": "processing 6 ..."}

{"datetime": "2001-07-04...", "level": "INFO", "logger": "LoggerName" ,"message": "processing 7 ..."}

{"datetime": "2001-07-04...", "level": "INFO", "logger": "LoggerName" ,"message": "processing 8 ..."}

{"datetime": "2001-07-04...", "level": "INFO", "logger": "LoggerName" ,"message": "processing 9 ..."}

Nueva pseudo-var

%g → logger name

SL4J Binding

```java
import org.slf4j.Logger;
import org.slf4j.LoggerFactory;

public class Wombat {

    final Logger logger = LoggerFactory.getLogger(Wombat.class);
    Integer t;
    Integer oldT;

    public void setTemperature(Integer temperature) {

        oldT = t;
        t = temperature;

        logger.debug("Temperature set to {}. Old temperature was {}.", t, oldT);

        if(temperature.intValue() > 50) {
            logger.info("Temperature has risen above 50 degrees.");
        }
    }
}
```
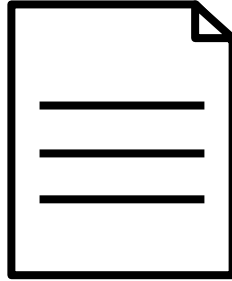
Logger Api: Throwables

```
logger.info("un mensaje", exception);
```
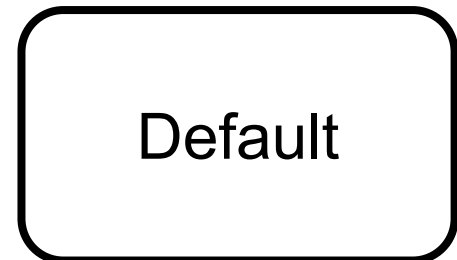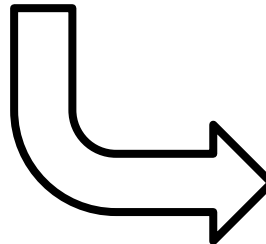
Configuración desde XML

xml

Inicialización Automática
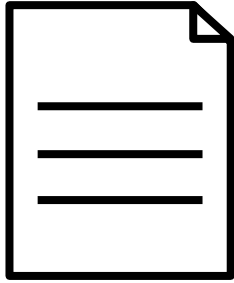
log-config.properties

log-config.xml
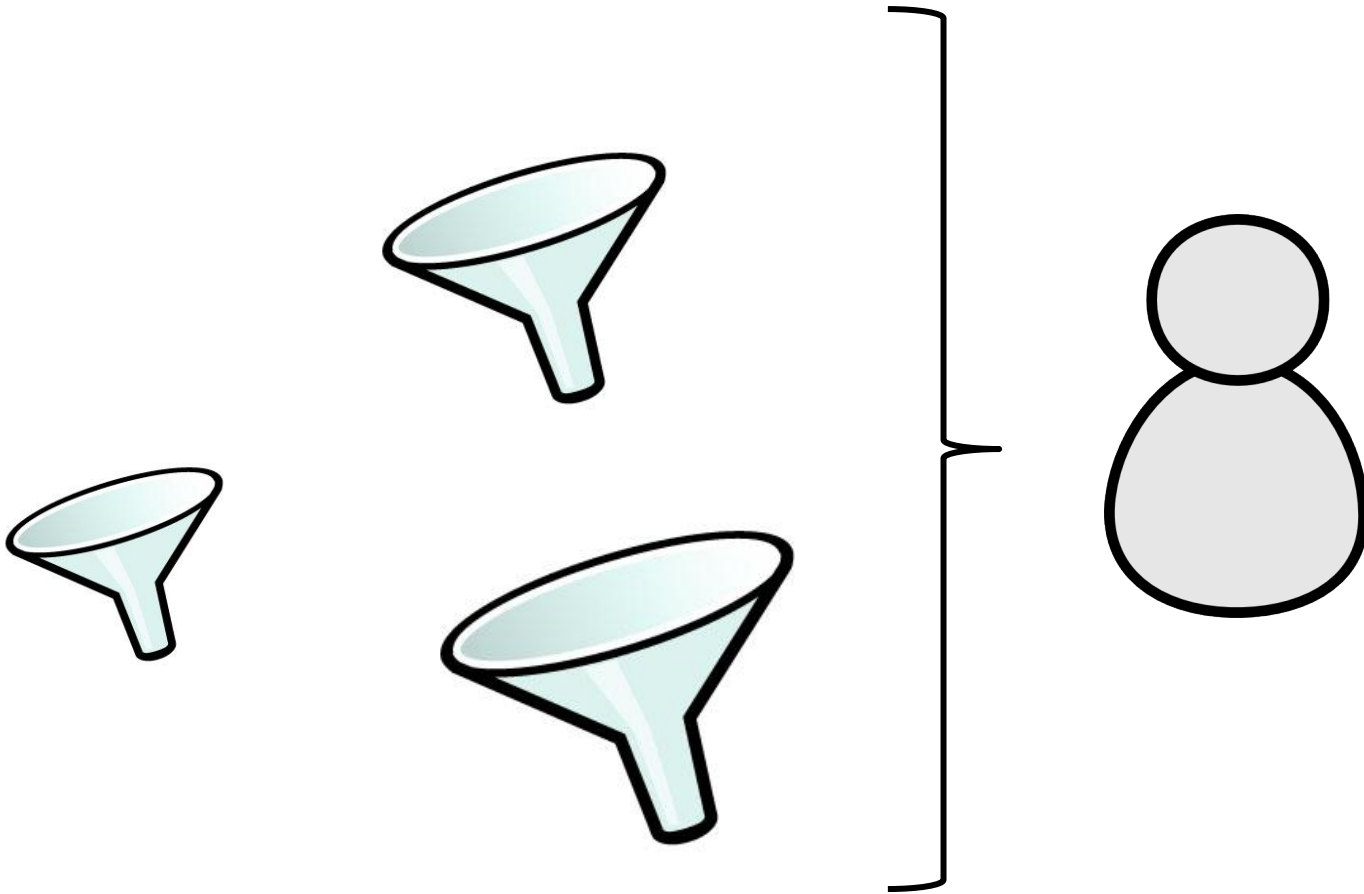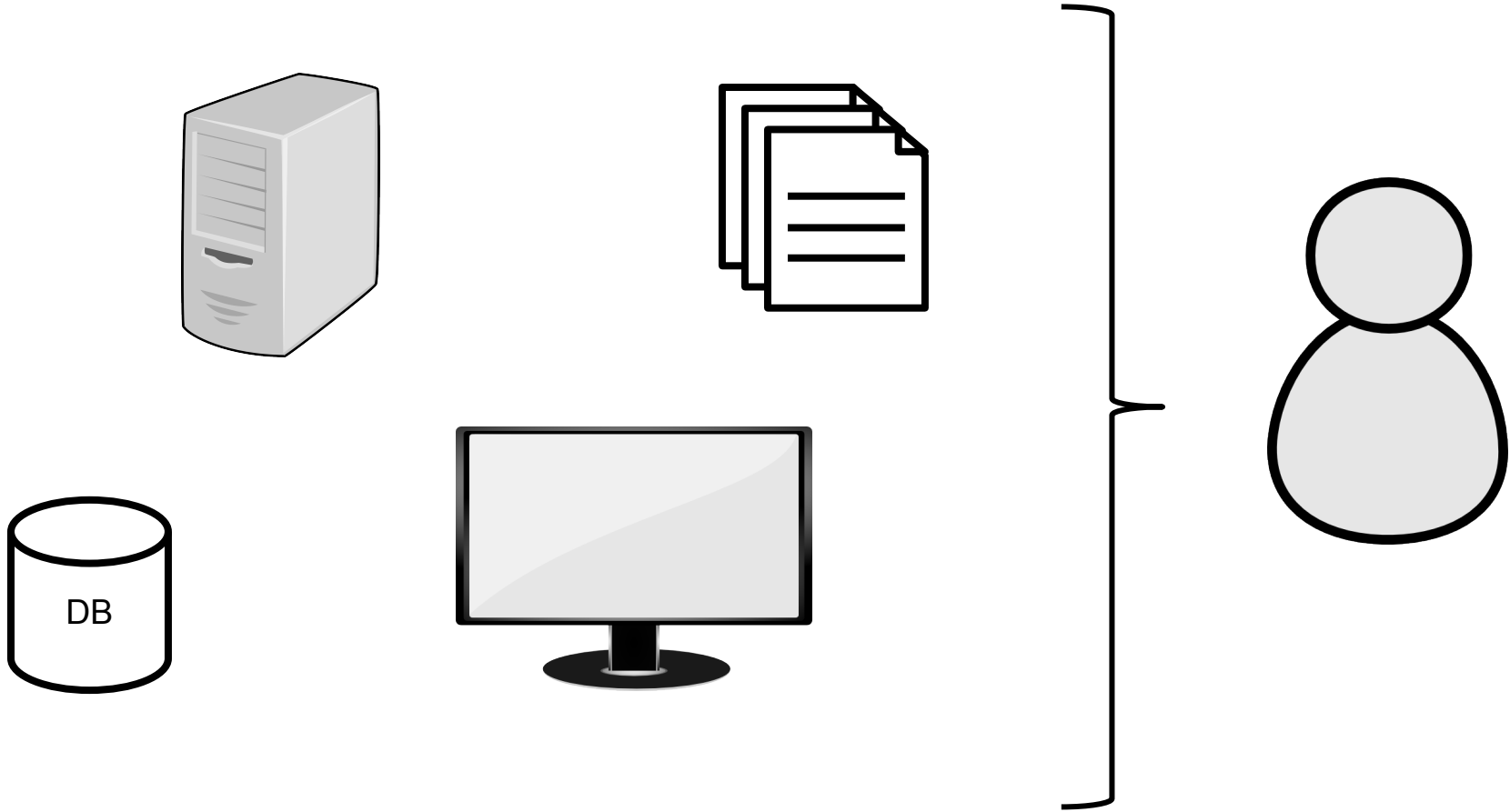
Default
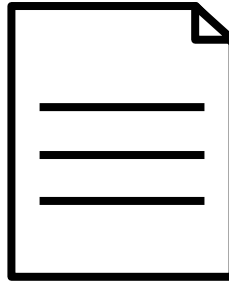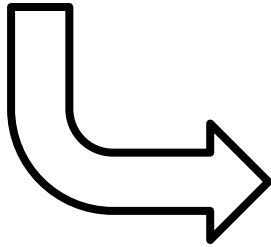
Filtrado

Filtros custom

Destinos custom

¿Preguntas?