3.5 수집 파일럿 실행 3단계 – 플럼 수집 기능

SmartCar 에이전트 생성 (1/2)

그림 3.26 CM을 이용한 플럼의 conf 파일 수정

3.5 수집 파일럿 실행 3단계 – 플럼 수집 기능

SmartCar 에이전트 생성 (2/2)

예제 3.1 스마트카의 상태 정보를 수집하는 SmartCarInfo 설정 추가

```
SmartCar_Agent.sources  = SmartCarInfo_SpoolSource

SmartCar_Agent.channels = SmartCarInfo_Channel                               ❶

SmartCar_Agent.sinks    = SmartCarInfo_LoggerSink
```

```
SmartCar_Agent.sources.SmartCarInfo_SpoolSource.type = spooldir

SmartCar_Agent.sources.SmartCarInfo_SpoolSource.spoolDir = /home/pilot-pjt/working/car-batch-log

SmartCar_Agent.sources.SmartCarInfo_SpoolSource.deletePolicy = immediate      ❷

SmartCar_Agent.sources.SmartCarInfo_SpoolSource.batchSize = 1000
```

```
SmartCar_Agent.channels.SmartCarInfo_Channel.type = memory

SmartCar_Agent.channels.SmartCarInfo_Channel.capacity  = 100000              ❸

SmartCar_Agent.channels.SmartCarInfo_Channel.transactionCapacity  = 10000
```

```
SmartCar_Agent.sinks.SmartCarInfo_LoggerSink.type = logger                   ❹
```

```
SmartCar_Agent.sources.SmartCarInfo_SpoolSource.channels = SmartCarInfo_Channel

SmartCar_Agent.sinks.SmartCarInfo_LoggerSink.channel = SmartCarInfo_Channel   ❺
```

3.5 수집 파일럿 실행 3단계 – 플럼 수집 기능

SmartCar 에이전트에 Interceptor 추가 (1/2)

예제 3.2 SmartCarInfo의 Interceptor 설정 추가

```
SmartCar_Agent.sources  = SmartCarInfo_SpoolSource

SmartCar_Agent.channels = SmartCarInfo_Channel

SmartCar_Agent.sinks    = SmartCarInfo_LoggerSink


SmartCar_Agent.sources.SmartCarInfo_SpoolSource.type = spooldir

SmartCar_Agent.sources.SmartCarInfo_SpoolSource.spoolDir = /home/pilot-pjt/working/car-batch-log

SmartCar_Agent.sources.SmartCarInfo_SpoolSource.deletePolicy = immediate

SmartCar_Agent.sources.SmartCarInfo_SpoolSource.batchSize = 1000
```

```
SmartCar_Agent.sources.SmartCarInfo_SpoolSource.interceptors = filterInterceptor        ❶
```

```
SmartCar_Agent.sources.SmartCarInfo_SpoolSource.interceptors.filterInterceptor.type = regex_
filter                                                                                   ❷
SmartCar_Agent.sources.SmartCarInfo_SpoolSource.interceptors.filterInterceptor.regex = ^\\d{14}
SmartCar_Agent.sources.SmartCarInfo_SpoolSource.interceptors.filterInterceptor.excludeEvents =
false
```
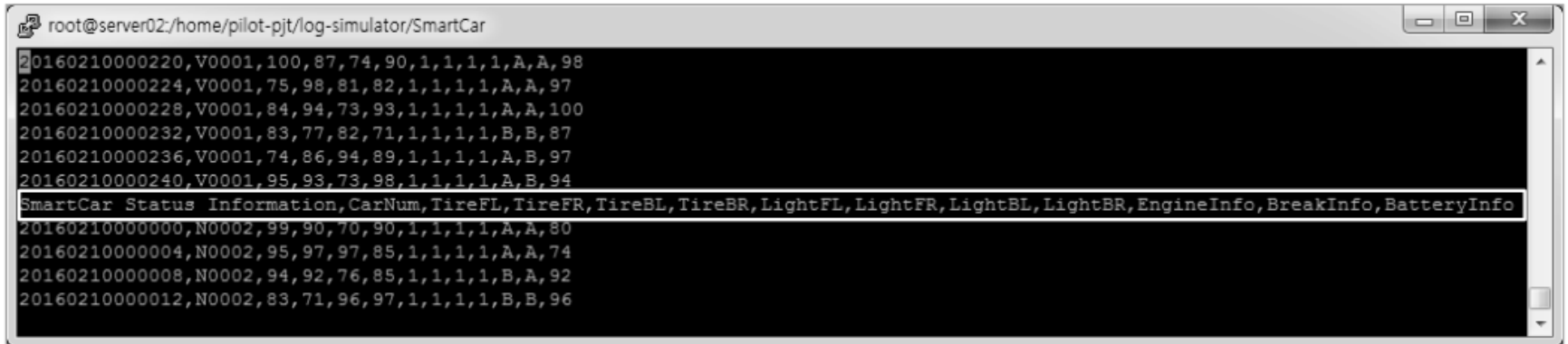
```
SmartCar_Agent.channels.SmartCarInfo_Channel.type = memory

SmartCar_Agent.channels.SmartCarInfo_Channel.capacity  = 100000

SmartCar_Agent.channels.SmartCarInfo_Channel.transactionCapacity  = 10000
```

3.5 수집 파일럿 실행 3단계 – 플럼 수집 기능

SmartCar 에이전트에 Interceptor 추가 (2/2)


```
root@server02:/home/pilot-pjt/log-simulator/SmartCar
20160210000220,V0001,100,87,74,90,1,1,1,1,A,A,98
20160210000224,V0001,75,98,81,82,1,1,1,1,A,A,97
20160210000228,V0001,84,94,73,93,1,1,1,1,A,A,100
20160210000232,V0001,83,77,82,71,1,1,1,1,B,B,87
20160210000236,V0001,74,86,94,89,1,1,1,1,A,B,97
20160210000240,V0001,95,93,73,98,1,1,1,1,A,B,94
SmartCar Status Information,CarNum,TireFL,TireFR,TireBL,TireBR,LightFL,LightFR,LightBL,LightBR,EngineInfo,BreakInfo,BatteryInfo
20160210000000,N0002,99,90,70,90,1,1,1,1,A,A,80
20160210000004,N0002,95,97,97,85,1,1,1,1,A,A,74
20160210000008,N0002,94,92,76,85,1,1,1,1,B,A,92
20160210000012,N0002,83,71,96,97,1,1,1,1,B,B,96
```

그림 3.27 로그 시뮬레이터가 생성한 메타데이터

3.5 수집 파일럿 실행 3단계 – 플럼 수집 기능

DriverCarInfo 에이전트 생성 (1/3)

예제 3.3 운전자의 운행 정보를 수집하기 위한 DriverCarInfo 리소스 변수 추가

```
SmartCar_Agent.sources = SmartCarInfo_SpoolSource    DriverCarInfo_TailSource

SmartCar_Agent.channels = SmartCarInfo_Channel       DriverCarInfo_Channel

SmartCar_Agent.sinks = SmartCarInfo_LoggerSink       DriverCarInfo_KafkaSink


SmartCar_Agent.sources.SmartCarInfo_SpoolSource.type = spooldir

SmartCar_Agent.sources.SmartCarInfo_SpoolSource.spoolDir = /home/pilot-pjt/working/car-batch-log

SmartCar_Agent.sources.SmartCarInfo_SpoolSource.deletePolicy = immediate

SmartCar_Agent.sources.SmartCarInfo_SpoolSource.batchSize = 1000


SmartCar_Agent.sources.SmartCarInfo_SpoolSource.interceptors = filterInterceptor

SmartCar_Agent.sources.SmartCarInfo_SpoolSource.interceptors.filterInterceptor.type = regex_
filter

SmartCar_Agent.sources.SmartCarInfo_SpoolSource.interceptors.filterInterceptor.regex = ^\\d{14}

SmartCar_Agent.sources.SmartCarInfo_SpoolSource.interceptors.filterInterceptor.excludeEvents =
false


….. 〈 중간 생략 〉 …..
```

3.5 수집 파일럿 실행 3단계 – 플럼 수집 기능

DriverCarInfo 에이전트 생성 (2/3)

예제 3.4 운전자의 운행 정보를 수집하기 위한 DriverCarInfo 설정 추가

```
SmartCar_Agent.sources = SmartCarInfo_SpoolSource      DriverCarInfo_TailSource

SmartCar_Agent.channels = SmartCarInfo_Channel         DriverCarInfo_Channel

SmartCar_Agent.sinks = SmartCarInfo_LoggerSink          DriverCarInfo_KafkaSink



…..〈 중간 생략 〉…..



SmartCar_Agent.sources.SmartCarInfo_SpoolSource.channels = SmartCarInfo_Channel

SmartCar_Agent.sinks.SmartCarInfo_LoggerSink.channel = SmartCarInfo_Channel
```

```
SmartCar_Agent.sources.DriverCarInfo_TailSource.type = exec

SmartCar_Agent.sources.DriverCarInfo_TailSource.command = tail -F /home/pilot-pjt/working/

driver-realtime-log/SmartCarDriverInfo.log                                    ❶

SmartCar_Agent.sources.DriverCarInfo_TailSource.restart = true

SmartCar_Agent.sources.DriverCarInfo_TailSource.batchSize = 1000
```

3.5 수집 파일럿 실행 3단계 – 플럼 수집 기능

DriverCarInfo 에이전트 생성 (3/3)

SmartCar_Agent.sources.DriverCarInfo_TailSource.interceptors = filterInterceptor2

```
SmartCar_Agent.sources.DriverCarInfo_TailSource.interceptors.filterInterceptor2.type = regex_filter

SmartCar_Agent.sources.DriverCarInfo_TailSource.interceptors.filterInterceptor2.regex = ^\\d{14}          ❷

SmartCar_Agent.sources.DriverCarInfo_TailSource.interceptors.filterInterceptor2.excludeEvents =
false
```

```
SmartCar_Agent.sinks.DriverCarInfo_KafkaSink.type = org.apache.flume.sink.kafka.KafkaSink

SmartCar_Agent.sinks.DriverCarInfo_KafkaSink.topic = SmartCar-Topic

SmartCar_Agent.sinks.DriverCarInfo_KafkaSink.brokerList = server02.hadoop.com:9092          ❸

SmartCar_Agent.sinks.DriverCarInfo_KafkaSink.requiredAcks = 1

SmartCar_Agent.sinks.DriverCarInfo_KafkaSink.batchSize = 1000
```

```
SmartCar_Agent.channels.DriverCarInfo_Channel.type = memory

SmartCar_Agent.channels.DriverCarInfo_Channel.capacity= 100000          ❹

SmartCar_Agent.channels.DriverCarInfo_Channel.transactionCapacity = 10000
```

```
SmartCar_Agent.sources.DriverCarInfo_TailSource.channels = DriverCarInfo_Channel
          ❺
SmartCar_Agent.sinks.DriverCarInfo_KafkaSink.channel = DriverCarInfo_Channel
```

3.5 수집 파일럿 실행 3단계 – 플럼 수집 기능

실습