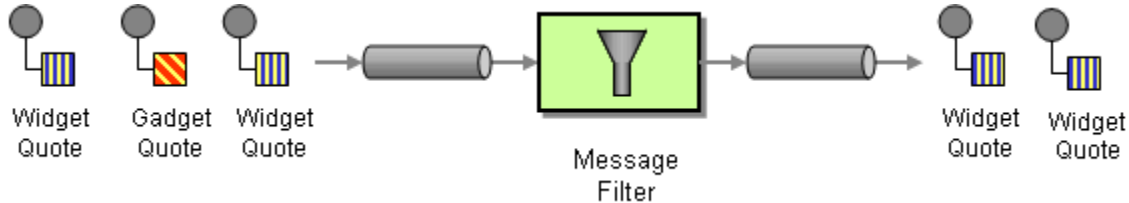# Message Filter

Describes the examples of Message Pattern Filter

The Message Filter EIP is a pattern where **incoming messages only pass through the filter if a certain condition is met**. Messages failing the condition will be dropped.

This way we **elimate undesired messages** according to set of crirteria.

We use **filter** option with **predicate section**. In predicate we put condition to met. Example below:

Example filter syntax with predicate

```
filter(header("myCommand").endsWith("Command"))
```

Example code with MF pattern

```java
public class MessageFilterRouteBuilder extends SpringRouteBuilder{

    @Override
    public void configure() throws Exception {

        from("direct:start").routeId("startRouteId")
            .log("Command name = '${header.myCommand}'")
            .filter(header("myCommand").endsWith("Command"))
            .log("Passed command name = '${header.myCommand}'");
    }
}
```

Full example source code:

- Github resource example

Resources

- Book EIP Patterns: Message Filter
- Message Filter