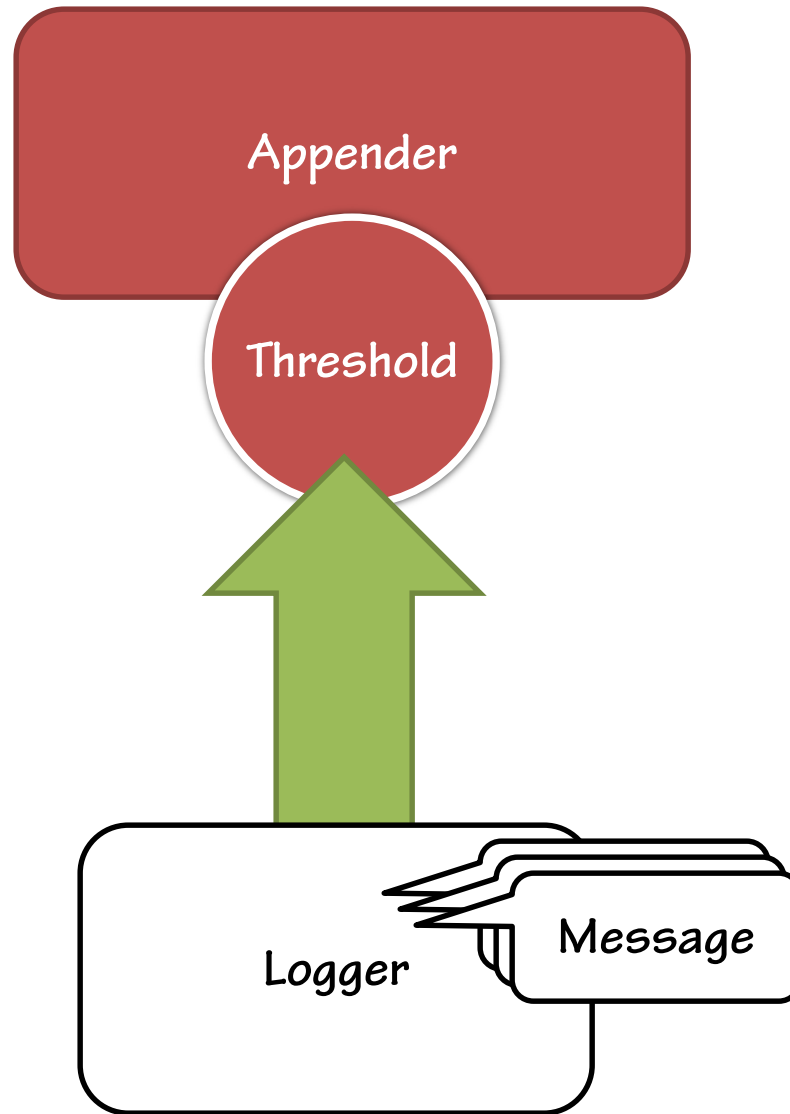
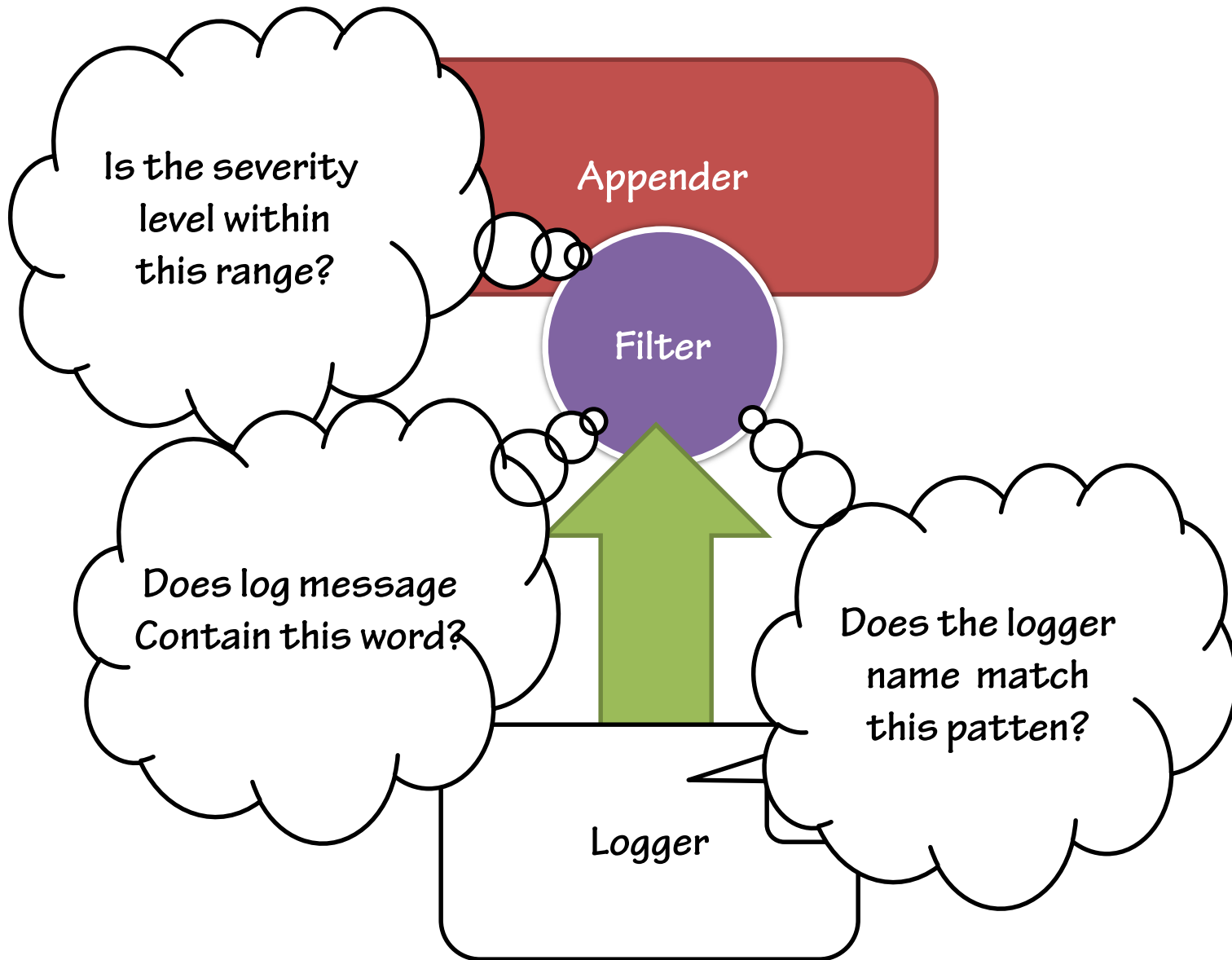


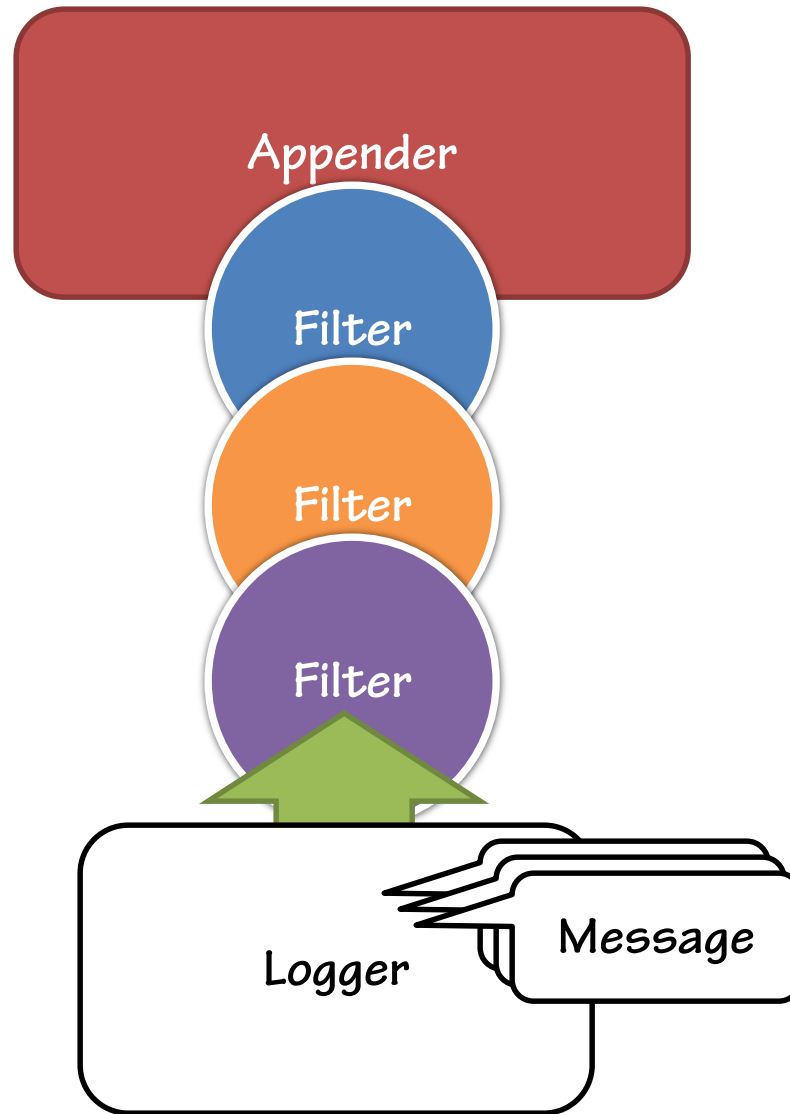
Filters

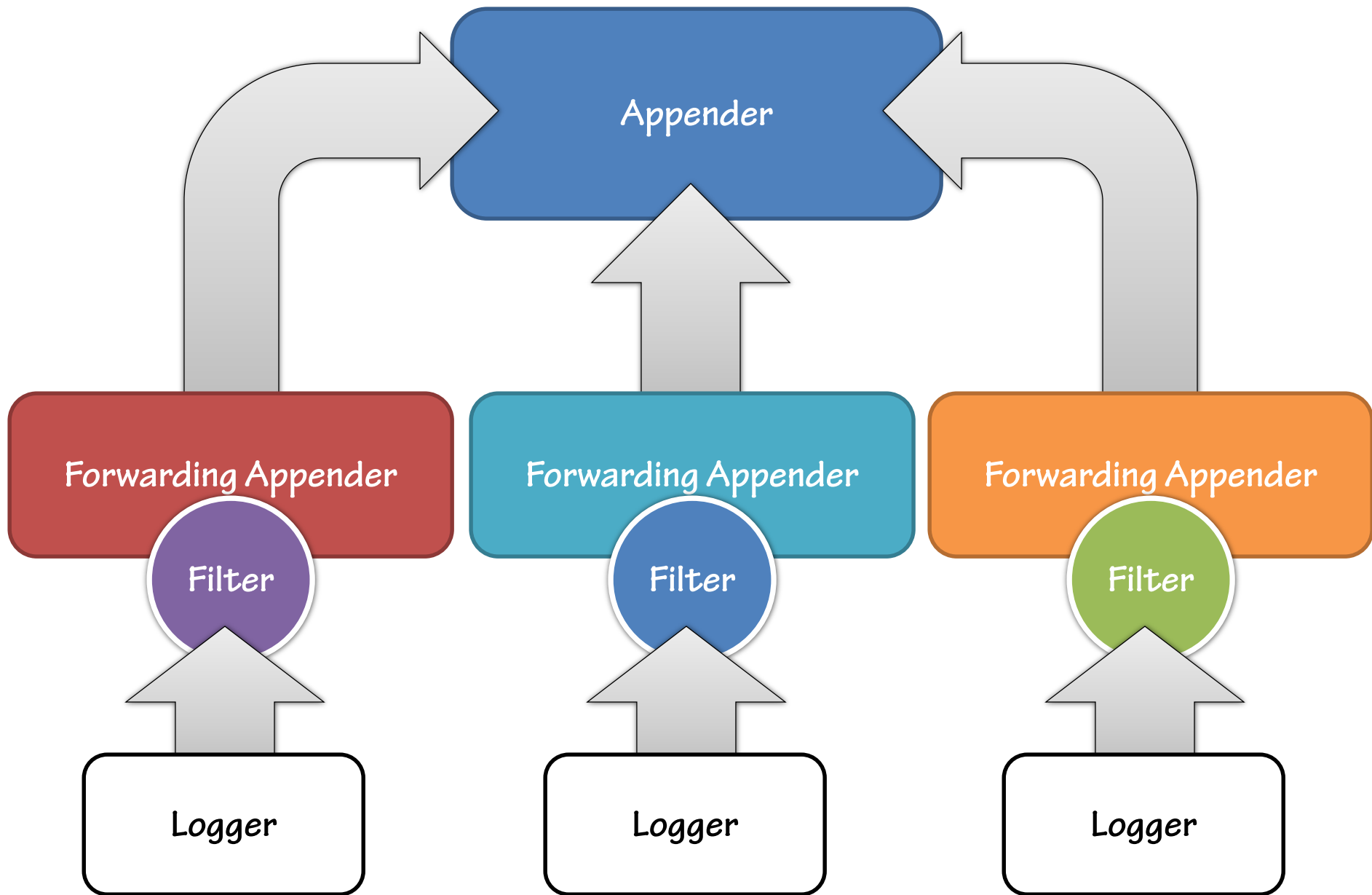
Jim Christopher
@beefarino

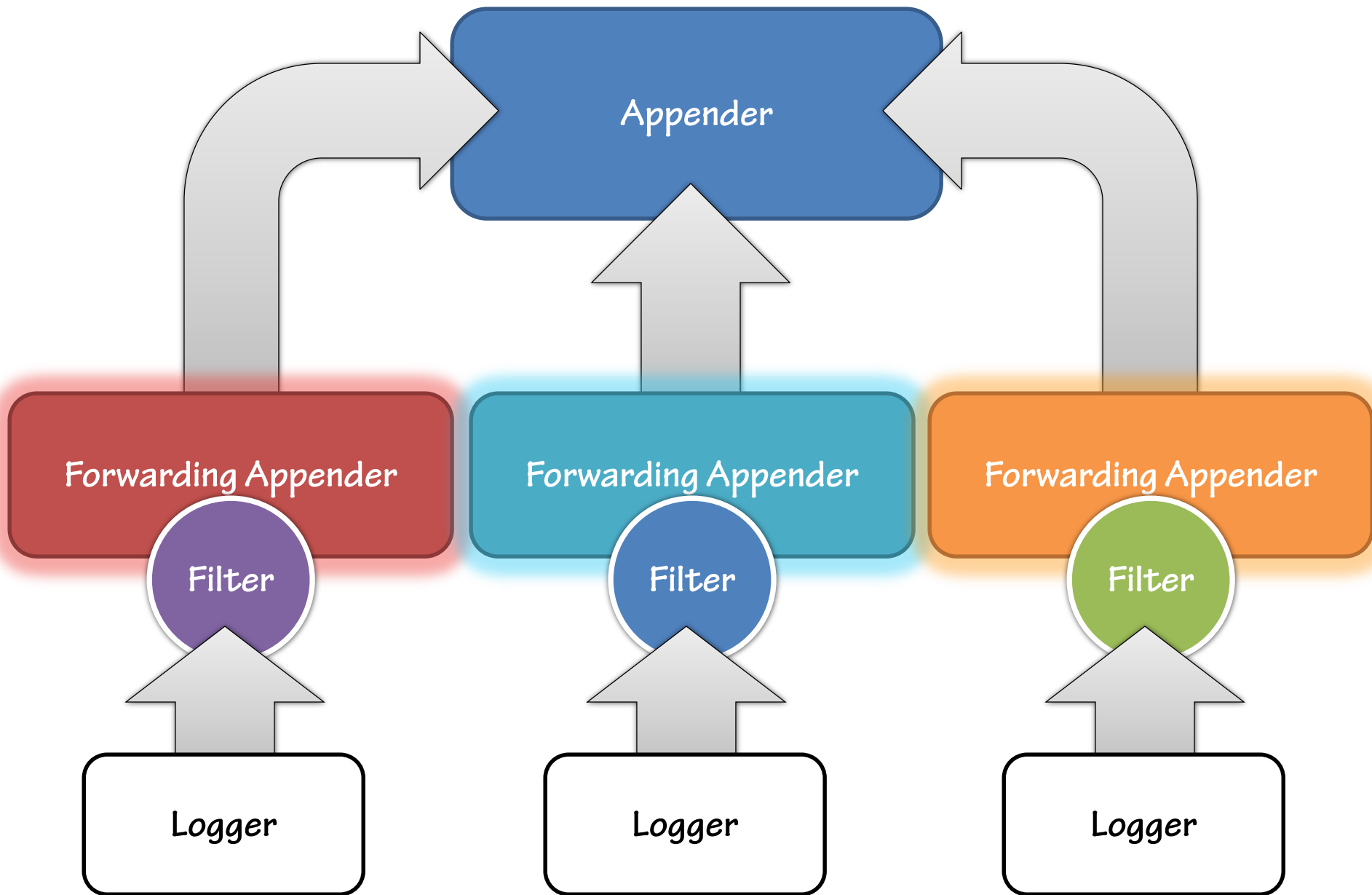


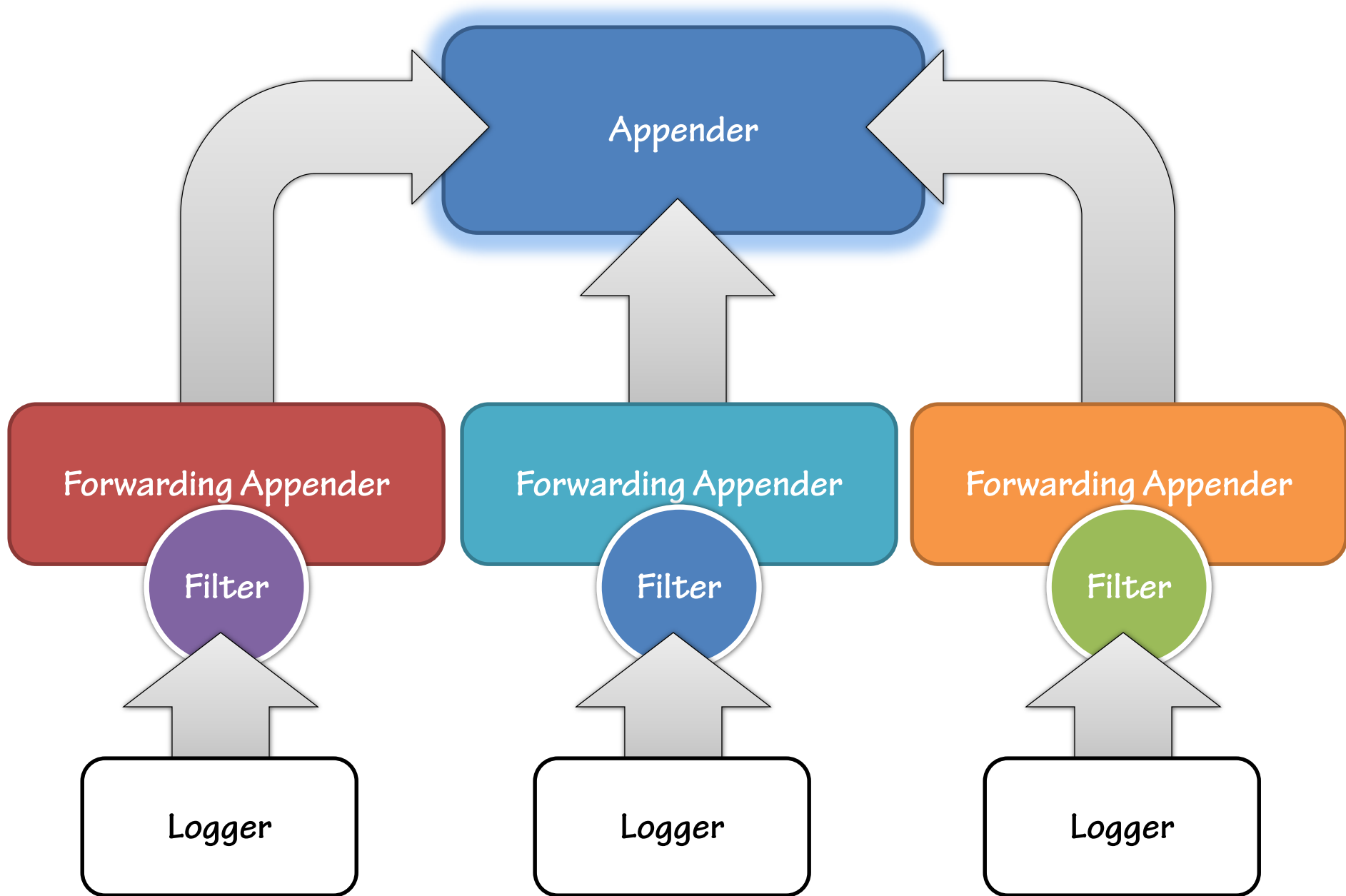












**Level
Match**

**Level
Range**

**Logger
Match**

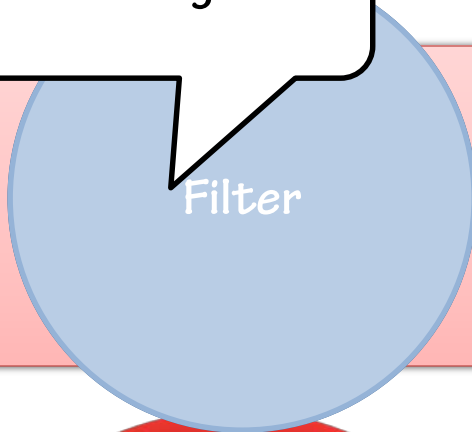
**String
Match**

Property

DenyAll



Message



Message

Deny All
Filter

DENY!

A diagram illustrating a denial process. A light pink arrow points from left to right. On the left, a blue circle labeled "Deny All Filter" has a speech bubble pointing to it containing the word "Message". On the right, a large red prohibition sign (a circle with a diagonal slash) is overlaid on the arrow, with the word "DENY!" written across it in bold black capital letters.

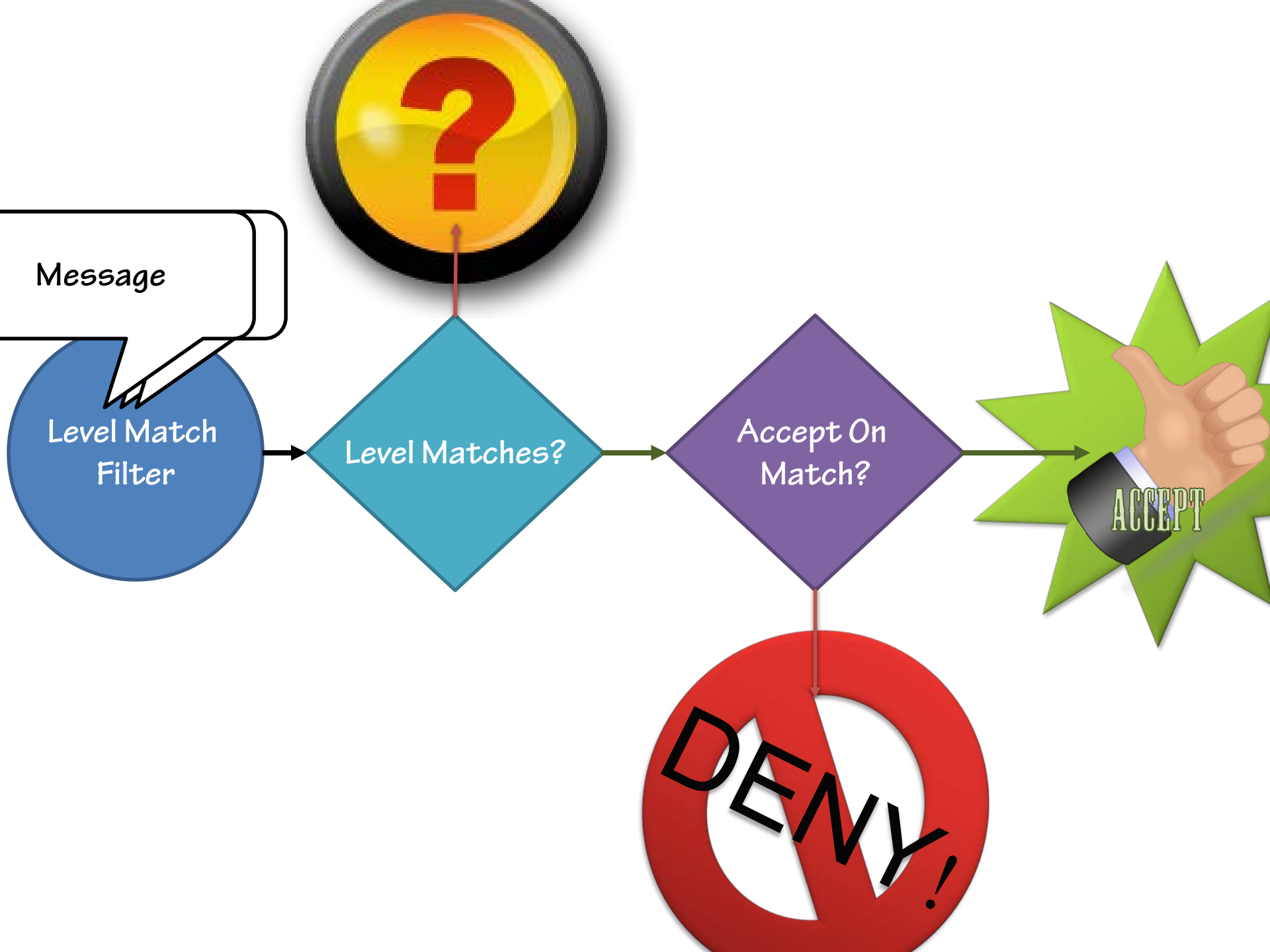
Level Match Filter

LevelToMatch

- The logging severity level to match
- Failure to match: **Neutral**

AcceptOnMatch

- True: **Accept** on a match
- False: **Deny** on a match



Level Range Filter

LevelMin

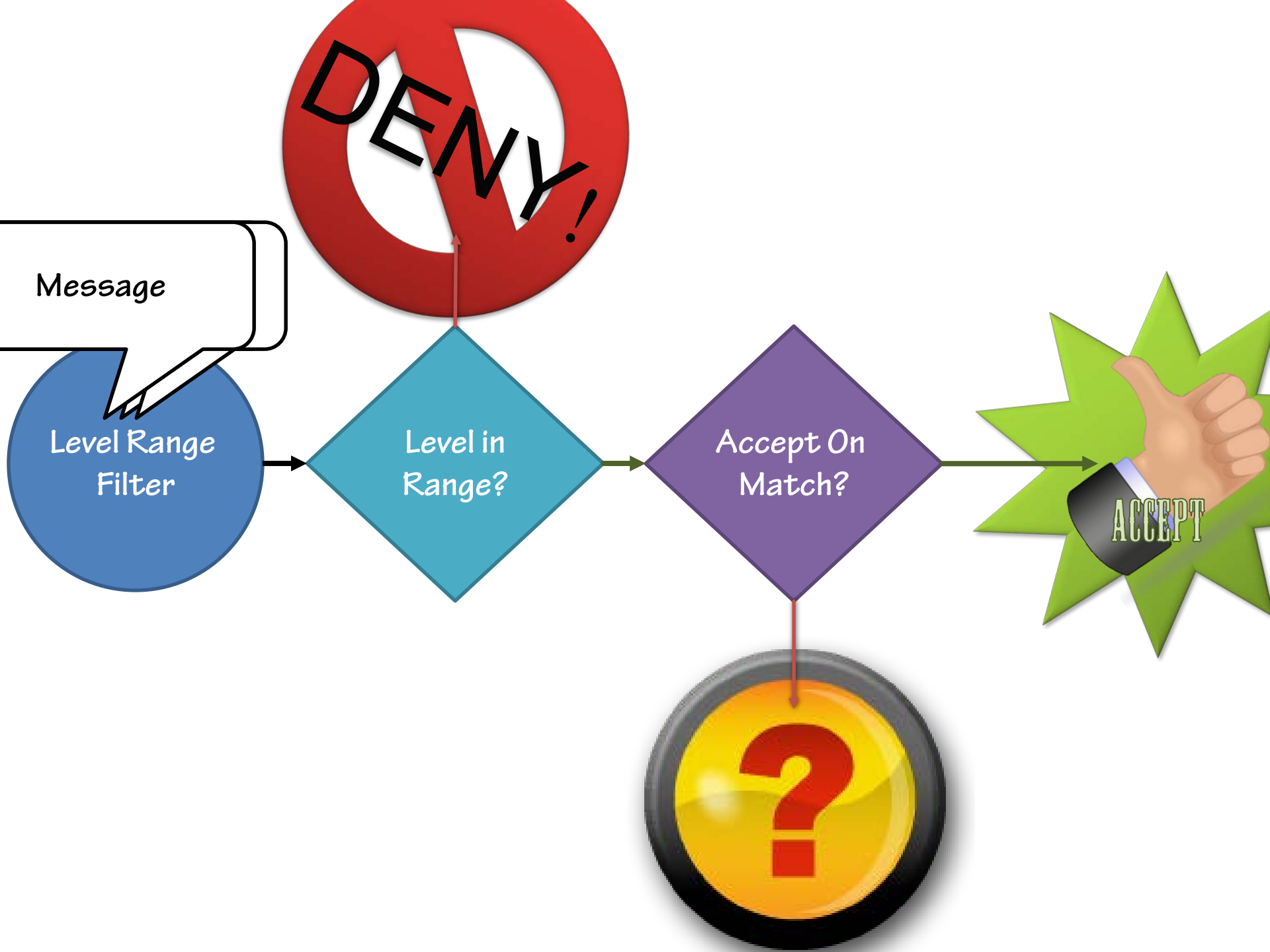
- The minimum logging severity level to match (inclusive)

LevelMax

- The maximum logging severity level to match (inclusive)

AcceptOnMatch

- True: **Accept** on a match
- False: **Neutral** on a match





VerboseAppender

The diagram consists of a large green rounded rectangle at the top. A purple oval is positioned in front of the bottom half of this rectangle, partially obscuring it. Below these shapes, there is a horizontal row of five white speech bubble boxes, each containing a log level. The speech bubbles have black outlines and a small tail pointing downwards and to the left.

Level Range Filter

DEBUG

INFO

WARN

ERROR

FATAL

The diagram consists of a large red rounded rectangle at the top containing the text 'ErrorAppender'. Below it is an orange oval containing the text 'Level Range Filter'. At the bottom, there are five white speech bubble shapes with black outlines, each containing a log level: 'DEBUG', 'INFO', 'WARN', 'ERROR', and 'FATAL'.

ErrorAppender

Level Range Filter

DEBUG

INFO

WARN

ERROR

FATAL

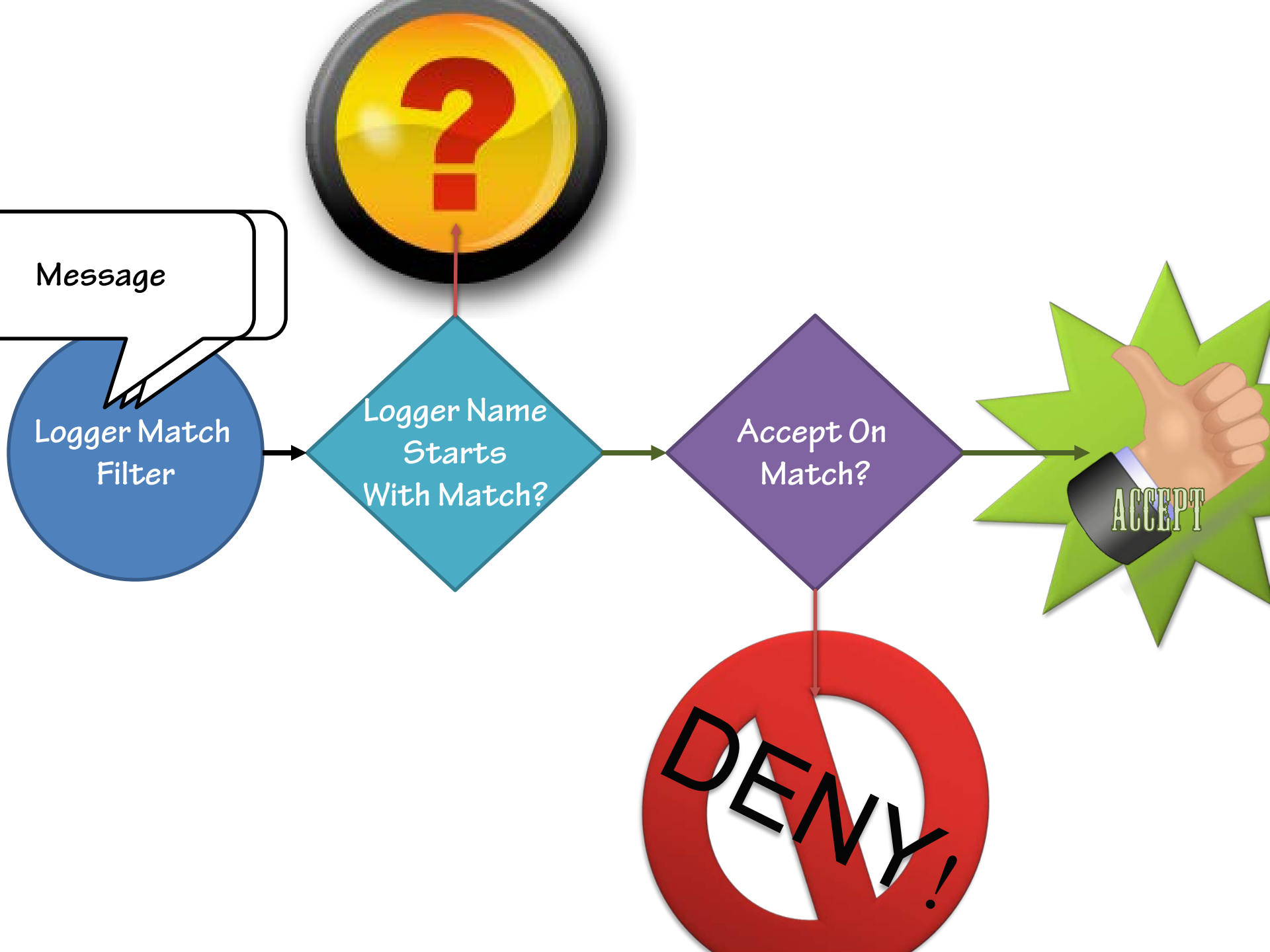
Logger Match Filter

LoggerToMatch

- The logger name pattern to match
- `String.StartsWith()`

AcceptOnMatch

- True: **Accept** on a match
- False: **Deny** on a match
- Failure to match: **Neutral**



String Match Filter

RegexToMatch

- A regular expression to match against the rendered log message

StringToMatch

- A string to match against the rendered log message

AcceptOnMatch

- True: **Accept** on a match
- False: **Deny** on a match
- Failure to match: **Neutral**

RegexToMatch



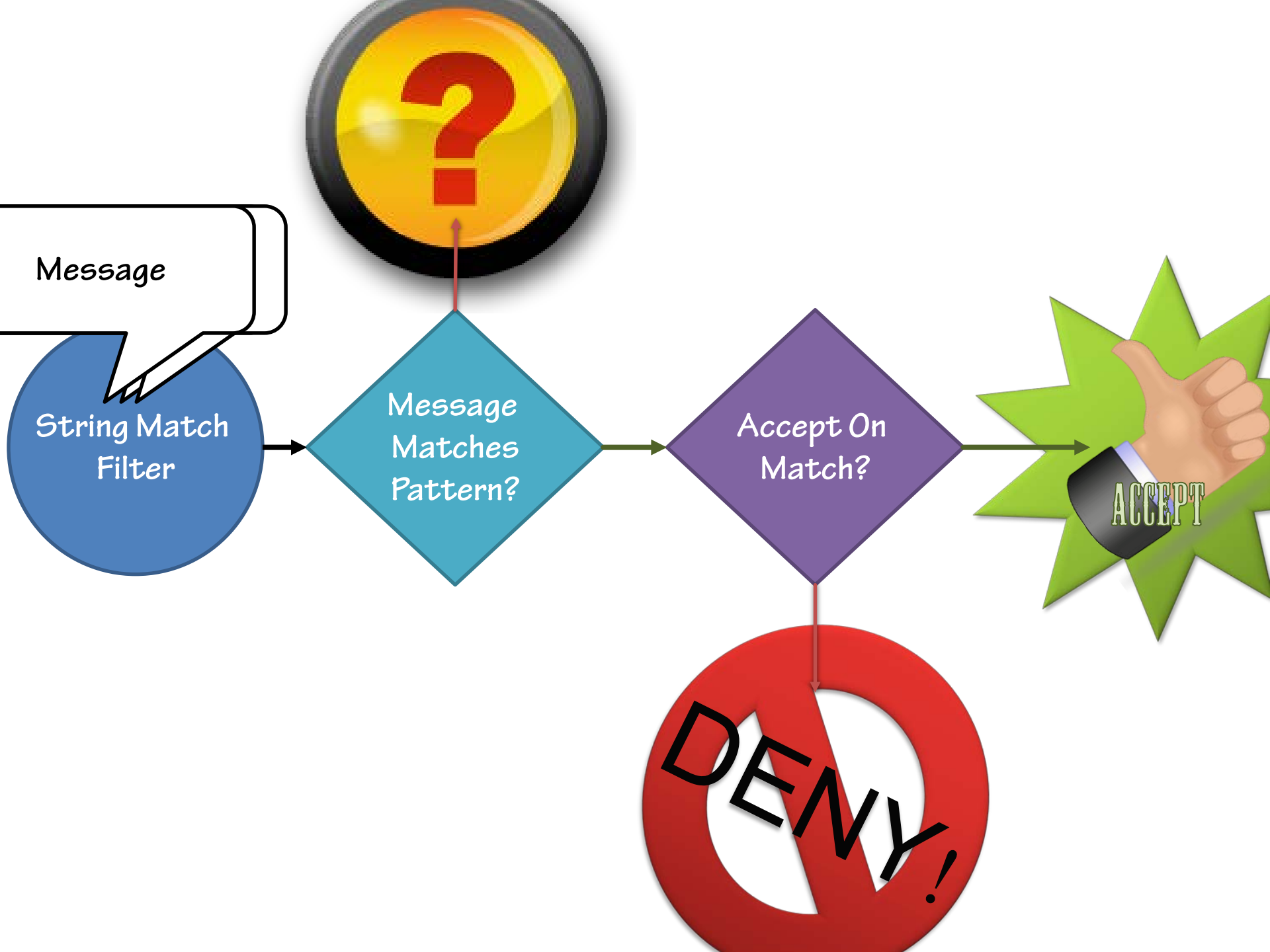
- A regular expression to match against the rendered log message

StringToMatch

- A string to match against the rendered log message

AcceptOnMatch

- True: **Accept** on a match
- False: **Deny** on a match
- Failure to match: **Neutral**



Property Filter

Key

- The name of the property value

RegexToMatch

- A regular expression to match against the property value

StringToMatch

- A string to match against the property value

AcceptOnMatch

- True: **Accept** on a match
- False: **Deny** on a match

Key

- The name of the property value

RegexToMatch



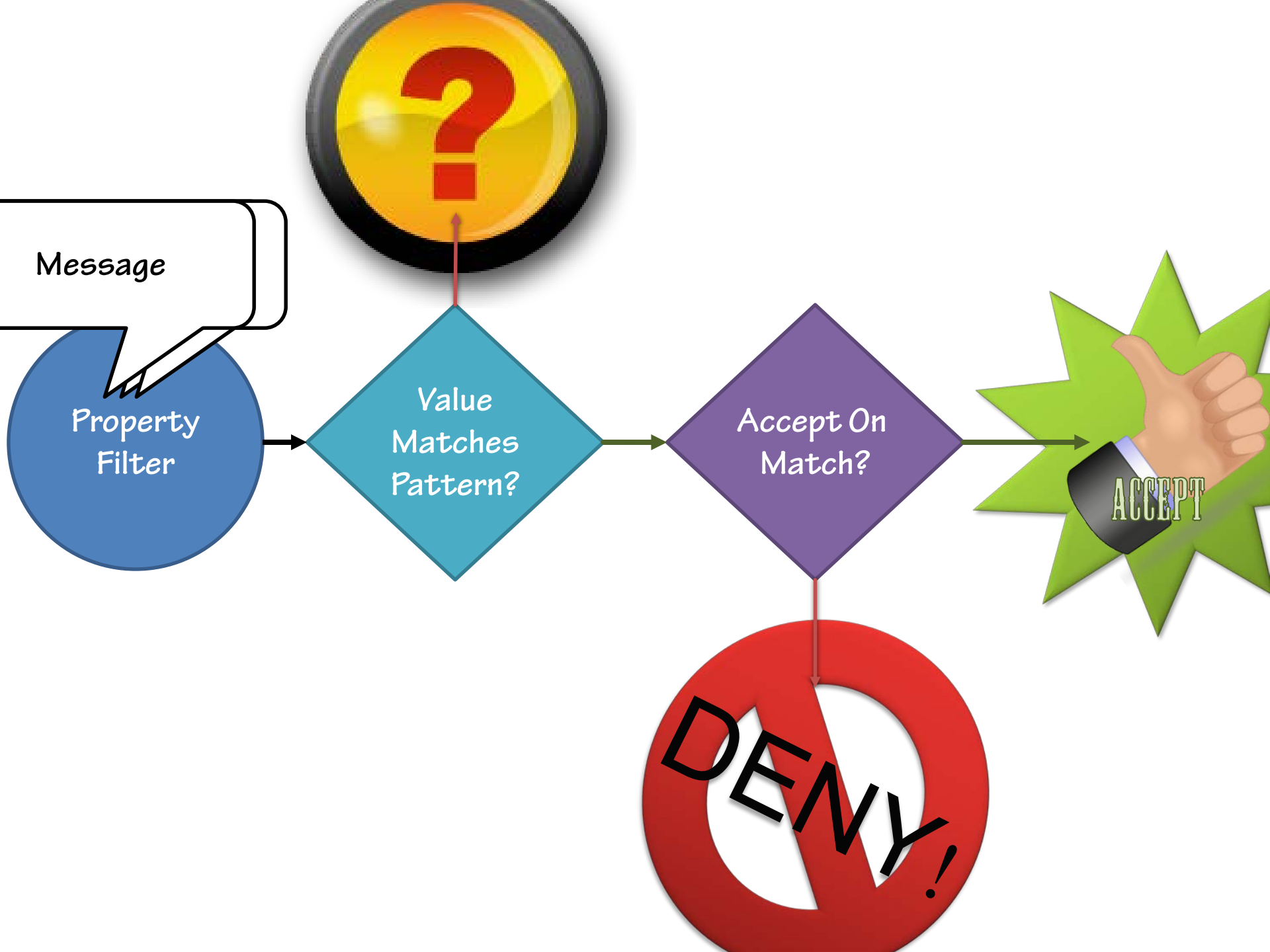
A regular expression to match against the property value

StringToMatch

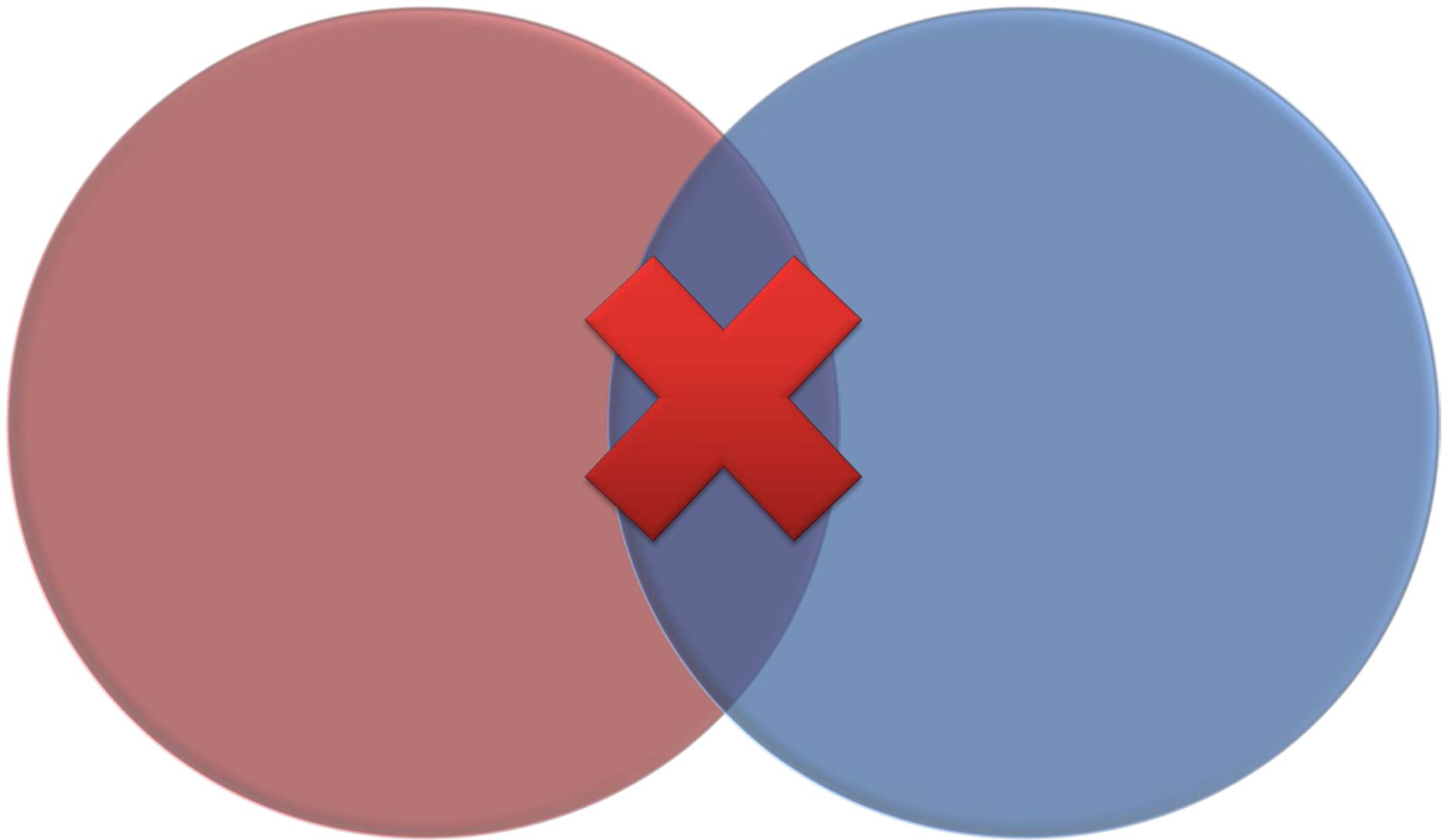
- A string to match against the property value

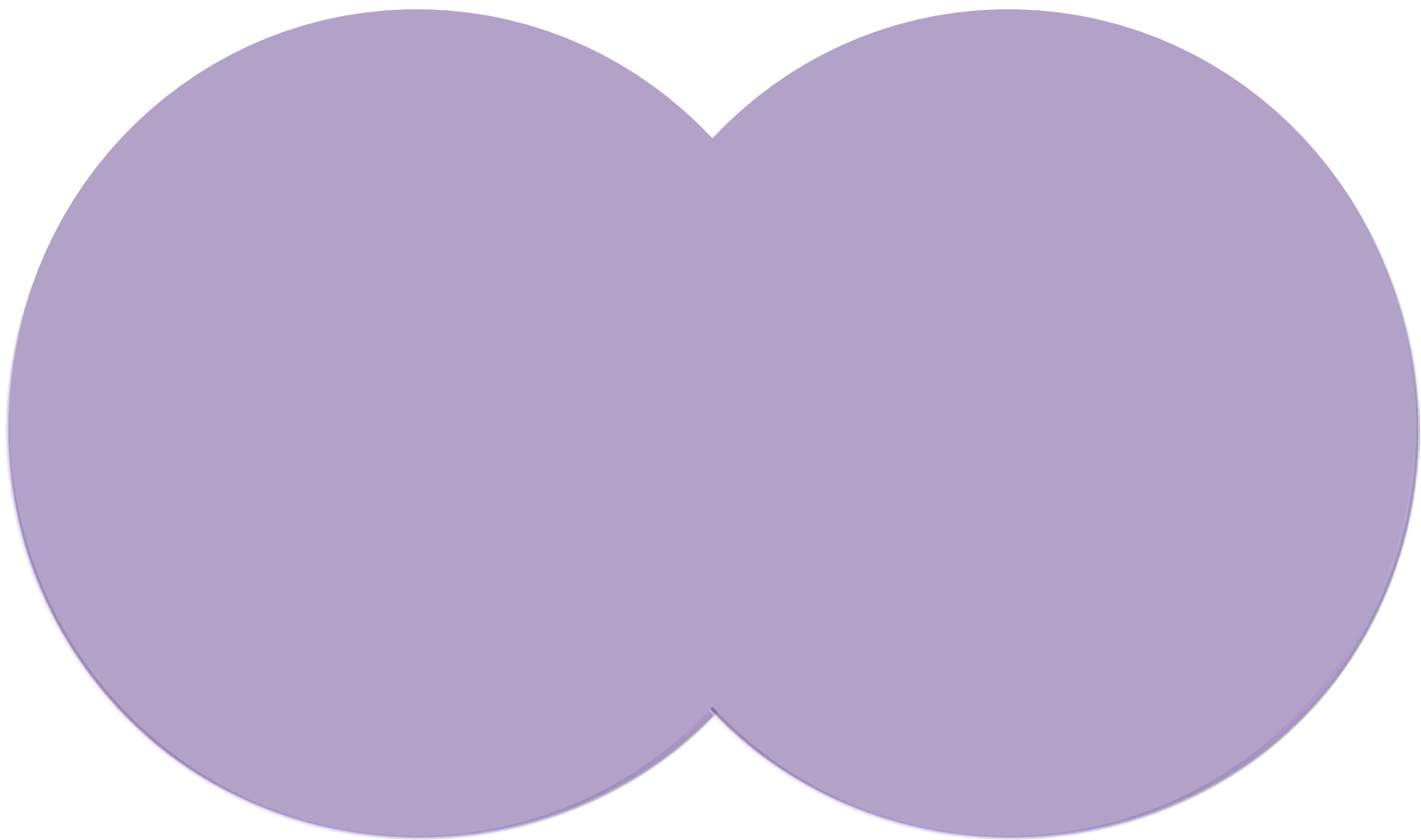
AcceptOnMatch

- True: **Accept** on a match
- False: **Deny** on a match



Chaining Filters







A Venn diagram consisting of two overlapping circles. The left circle is reddish-brown and contains the text 'Level Range Filter'. The right circle is blue and contains the text 'Property Filter'. The intersection of the two circles is a darker shade of purple-blue.

**Level
Range
Filter**

**Property
Filter**



A Venn diagram consisting of two overlapping circles. The left circle is red and contains the text 'Level Range Filter'. The right circle is blue and contains the text 'Property Filter'. The intersection of the two circles is a darker purple color.

**Level
Range
Filter**

**Property
Filter**



A Venn diagram consisting of two overlapping circles. The left circle is reddish-brown and contains the text 'Level Range Filter'. The right circle is blue and contains the text 'Property Filter'. The intersection of the two circles is a darker shade of purple-blue.

**Level
Range
Filter**

**Property
Filter**

Filters

- **Filters Affect Appender Behavior**
 - Accept
 - Deny
 - Neutral

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 - Level Range Filter **denies** non-matching events
 - Level Range Filter used to tee logs by severity

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 - Logger name matched from start of string

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