

Grouping and Action Group Aliases

≡ This icon next to a Grouping or Action Group indicates a place that an Alias can be used.

Groupings and Action Groups can have Aliases but they only serve as “identifiers” or “tags” for the Grouping or Action Group they are associated with.

↓

(

L1 ≡ EKS_AGE_EVAL_L
Person's age is less than 50 * years * and OPT_AGE2 OPT_UNIT2 using person from L?

AND

L2 ≡ EKS_CE_RESULT_INCOMING_REQ_L
the triggering request contains a Auth (Verified) * result for PSA * that is greater than 2.5 * and OPT_VALUE2

)

OR

↓

(

L3 ≡ EKS_AGE_EVAL_L
Person's age is greater than 50 * years * and OPT_AGE2 OPT_UNIT2 using person from L?

AND

L4 ≡ EKS_CE_RESULT_INCOMING_REQ_L
the triggering request contains a Auth (Verified) * result for PSA * that is greater than 3.5 * and OPT_VALUE2

)

↓

Action Section

Action Group #1 ≡

IF

L2

Action:

A1 ≡ EKS_SETUP_ADD_ORDERS_A
Setup GROUP NAME * to add ORDERS * with OPT_COMMENT_TYPE of OPT_COMMENT for OPT_SCOPE as L?

The rule with Grouping and Action Group Aliases.

Clicking on the directional arrow next to the Alias allows you to collapse or expand the section. These sections are expanded.

PSA 2.5

L1 ≡ EKS_AGE_EVAL_L
Person's age is **less than** 50 years and **OPT_AGE2** **OPT_UNIT2** using person from L?

AND

L2 ≡ EKS_CE_RESULT_INCOMING_REQ_L
the triggering request contains a **Auth (Verified)** result for **PSA** that is **greater than** 2.5 and **OPT_VALUE2**

) End PSA 2.5

OR

PSA 3.5

L3 ≡ EKS_AGE_EVAL_L
Person's age is **greater than** 50 years and **OPT_AGE2** **OPT_UNIT2** using person from L?

AND

L4 ≡ EKS_CE_RESULT_INCOMING_REQ_L
the triggering request contains a **Auth (Verified)** result for **PSA** that is **greater than** 3.5 and **OPT_VALUE2**

) End PSA 3.5

Action Section

Action Group #1 Order Confirmation

IF L2

Action:

A1 ≡ EKS_SETUP_ADD_ORDERS_A
Setup **GROUP NAME** to add **ORDERS** with **OPT_COMMENT_TYPE** of **OPT_COMMENT** for **OPT_SCOPE** as L?

AND

A2 ≡ EKS_CALL_ORDER_SERVER_A

Here the sections are collapsed.

Logic Section

IF

(PSA 2.5...)

OR

(PSA 3.5...)

Action Section

Action Group #1 Order Confirmation ...

Action Group #2 Email Dr. ...

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Template Aliases

Templates can also have Aliases. Template Aliases are very useful. Here is a rule that uses substitution values to perform an LDL calculation, create the LDL result and format a message. The LDL calculation is $(\text{Cholesterol} - \text{HDL}) - (\text{Triglyceride}/5)$. Notice the links and substitution values used in this rule.

L1 \equiv `EKS_CE_RESULT_INCOMING_REQ_L`
the triggering request contains a `Auth (Verified)` result for `Triglycerides` that is `less than 400` and `OPT_VALUE2`

AND

L2 \equiv `EKS_CE_RESULT_MOST_RECENT_L`
the most recent result for `Cholesterol` is `greater than 0` and `OPT_VALUE2` for the same encounter as **L1** over the last `5 minutes`

AND

L3 \equiv `EKS_CE_RESULT_MOST_RECENT_L`
the most recent result for `HDL Cholesterol` is `greater than 0` and `OPT_VALUE2` for the same encounter as **L1** over the last `5 minutes`

AND

L4 \equiv `EKS_CALC_SAVE_L`
`(@result:2 - @result:3) - (@result:1 / 5)`

Action:

A1 \equiv `EKS_CE_CREATE_CE_A`
Create a `Auth (Verified)`, `Unknown`, `LDL` result of `@misc:4` `OPT_RESULT_UNITS` (with `OPT_NUM_DEC_PLACES` decimal places) on the same encounter as **L1** with `OPT_COMMENT_TYPE` of `OPT_COMMENT` and `do not` send this event back through Discern Expert

AND

A2 \equiv `EKS_MESSENGER_A`
Send message to `ORDERDOCEMAIL` with subject `Lipid Results` and message `@PATIENT: 1 has the following Lipi...` with a `Medium` priority.

Output:

```
@PATIENT: 1 has the following Lipid results:
Triglyceride @RESULT:1
Cholesterol  @RESULT:2
HDL          @RESULT:3
LDL          @MISC:4
```

Adding the `EKS_STOP_LOGIC_L` template to this rule “breaks” the substitution values as the numbers associated with the Logic templates change. All the substitution values in this rule would need to be re-keyed for this rule to be accurate.

≡ This icon next to the template number indicates that an Alias can be used.

L1 \equiv `EKS_STOP_LOGIC_L`
the following templates are false, `STOP` logic evaluation

AND

L2 \equiv `EKS_CE_RESULT_INCOMING_REQ_L`
the triggering request contains a `Auth (Verified)` result for `Triglycerides` that is `less than 400` and `OPT_VALUE2`

AND

L3 \equiv `EKS_CE_RESULT_MOST_RECENT_L`
the most recent result for `Cholesterol` is `greater than 0` and `OPT_VALUE2` for the same encounter as **L2** over the last `5 minutes`

AND

L4 \equiv `EKS_CE_RESULT_MOST_RECENT_L`
the most recent result for `HDL Cholesterol` is `greater than 0` and `OPT_VALUE2` for the same encounter as **L2** over the last `5 minutes`

AND

L5 \equiv `EKS_CALC_SAVE_L`
`(@result:2 - @result:3) - (@result:1 / 5)`

Action:

A1 \equiv `EKS_CE_CREATE_CE_A`
Create a `Auth (Verified)`, `Unknown`, `LDL` result of `@misc:4` `OPT_RESULT_UNITS` (with `OPT_NUM_DEC_PLACES` decimal places) on the same encounter as **L2** with `OPT_COMMENT_TYPE` of `OPT_COMMENT` and `do not` send this event back through Discern Expert

AND

A2 \equiv `EKS_MESSENGER_A`
Send message to `ORDERDOCEMAIL` with subject `Lipid Results` and message `@PATIENT: 1 has the following Lipi...` with a `Medium` priority.

Output:

```
@PATIENT: 1 has the following Lipid results:
Triglyceride @RESULT:1
Cholesterol  @RESULT:2
HDL          @RESULT:3
LDL          @MISC:4
```

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Here is the same rule using template Aliases.

L1 Trig EKS_CE_RESULT_INCOMING_REQ_L
the triggering request contains a Auth (Verified) result for Triglycerides that is less than 400 and OPT_VALUE2

AND

L2 Chol EKS_CE_RESULT_MOST_RECENT_L
the most recent result for Cholesterol is greater than 0 and OPT_VALUE2 for the same encounter as L1(Trig) over the last 5 minutes

AND

L3 HDL EKS_CE_RESULT_MOST_RECENT_L
the most recent result for HDL Cholesterol is greater than 0 and OPT_VALUE2 for the same encounter as L1(Trig) over the last 5 minutes

AND

L4 LDL EKS_CALC_SAVE_L
(@RESULT:(Chol) - @RESULT:(HDL)) - (@RESULT:(Trig) / 5)

Expert Editor:

EXPRESSION

(@RESULT:(Chol) - @RESULT:(HDL)) - (@RESULT:(Trig) / 5)

Action:

A1 EKS_CE_CREATE_CE_A
Create a Auth (Verified), Unknown, LDL result of @MISC:(LDL) OPT_RESULT_UNITS (with OPT_NUM_DEC_PLACES decimal places) on the same encounter as L1(Trig) with OPT_COMMENT_TYPE of OPT_COMMENT and do not send this event back through Discern Expert

AND

A2 EKS_MESSENGER_A
Send message to ORDERDOCEMAIL with subject Lipid Results and message @PATIENT: (Trig) has the following... with a Medium priority.

@PATIENT: (Trig) has the following Lipid results:

Triglyceride	@RESULT:(Trig)
Cholesterol	@RESULT:(Chol)
HDL	@RESULT:(HDL)
LDL	@MISC:(LDL)

Adding the EKS_STOP_LOGIC_L template to the rule does not “break” the substitution values as they all reference the Alias which remains the same even though the template number changes.

L1 EKS_STOP_LOGIC_L
the following templates are false, STOP logic evaluation

AND

L2 Trig EKS_CE_RESULT_INCOMING_REQ_L
the triggering request contains a Auth (Verified) result for Triglycerides that is less than 400 and OPT_VALUE2

AND

L3 Chol EKS_CE_RESULT_MOST_RECENT_L
the most recent result for Cholesterol is greater than 0 and OPT_VALUE2 for the same encounter as L2(Trig) over the last 5 minutes

AND

L4 HDL EKS_CE_RESULT_MOST_RECENT_L
the most recent result for HDL Cholesterol is greater than 0 and OPT_VALUE2 for the same encounter as L2(Trig) over the last 5 minutes

AND

L5 LDL EKS_CALC_SAVE_L
(@RESULT:(Chol) - @RESULT:(HDL)) - (@RESULT:(Trig) / 5)

Expert Editor:

EXPRESSION

(@RESULT:(Chol) - @RESULT:(HDL)) - (@RESULT:(Trig) / 5)

Action:

A1 EKS_CE_CREATE_CE_A
Create a Auth (Verified), Unknown, LDL result of @MISC:(LDL) OPT_RESULT_UNITS (with OPT_NUM_DEC_PLACES decimal places) on the same encounter as L2(Trig) with OPT_COMMENT_TYPE of OPT_COMMENT and do not send this event back through Discern Expert

AND

A2 EKS_MESSENGER_A
Send message to ORDERDOCEMAIL with subject Lipid Results and message @PATIENT: (Trig) has the following... with a Medium priority.

@PATIENT: (Trig) has the following Lipid results:

Triglyceride	@RESULT:(Trig)
Cholesterol	@RESULT:(Chol)
HDL	@RESULT:(HDL)
LDL	@MISC:(LDL)

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