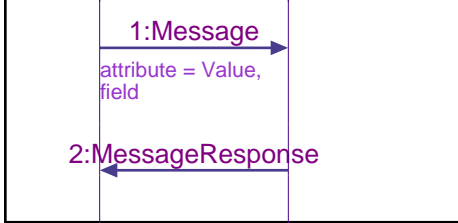| United States		Canada	India
California	Nevada	Ontario	Rajasthan

FDL Basics Tutorial

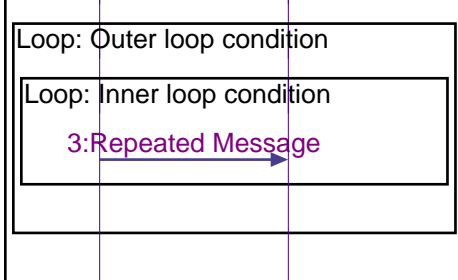A block remark is shown across the full sequence diagram. A block remark may be shown across multiple lines.
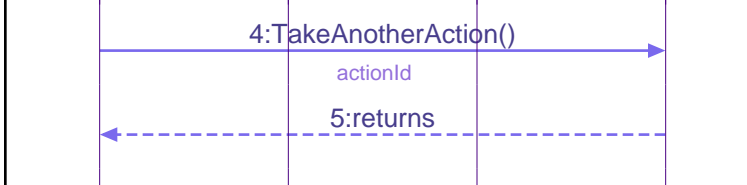
Messages

1:Message

attribute = Value,
field

Message Statement: Model messages interactions with parameters.

2:MessageResponse

Message Statement: Model messages interactions (no parameters specified in this case).

Loops

Loop: Outer loop condition

Loop: Inner loop condition

3:Repeated Message

Object Interactions

4:TakeAnotherAction()

actionId

5:returns

Object Creation and Deletion

6:create

param1 = Good Bye,
param2,
param3 = Value

One object creates another.

7:delete

One object deletes another.

ISSUE: Why is 42 the answer to the ultimate question of life the universe and everything?
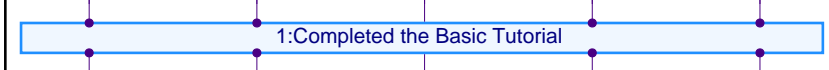
State Transitions

United States		Canada	India	South Africa
California	Nevada	Ontario	Rajasthan	Gauteng

FDL Advanced Tutorial

Preconditions

1:Completed the Basic Tutorial

A block remark is shown across the full sequence diagram. A block remark may be shown across multiple lines.

Messages

2:Message

attribute = Value,
field

Message Statement: Model messages interactions with parameters.

3:MessageResponse
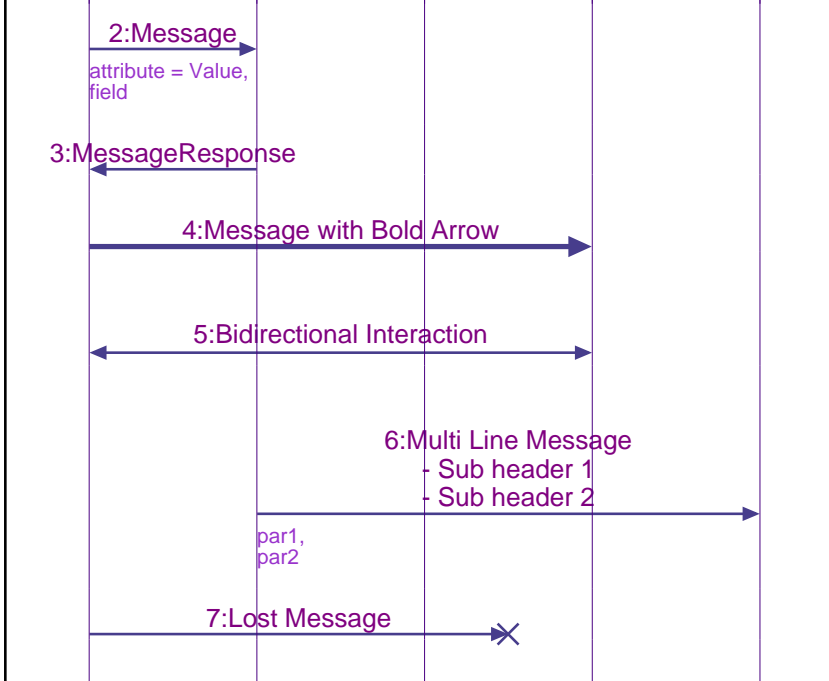
Message Statement: Model messages interactions (no parameters specified in this case).

4:Message with Bold Arrow

Use the => or <= to represent messages with bold arrows.

5:Bidirectional Interaction

Model bi-directional message interactions with <-> or <=>.

6:Multi Line Message
- Sub header 1
- Sub header 2

par1,
par2

Represent compound messages with the multi-line message syntax.

7:Lost Message

Model a lost message.

Message interactions with the environment

8:Message from the Left Environment
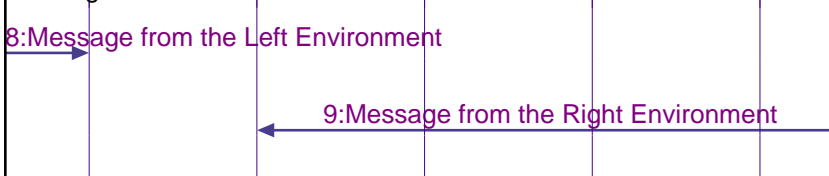
Represent a message from an external entity (shown on the left).

9:Message from the Right Environment

External interaction from an external entity (shown on the right side).

Compound Messages

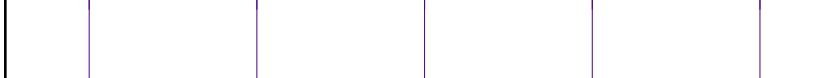10:Chain Message 2

attribute1 = Value1,
attribute2 = Value2
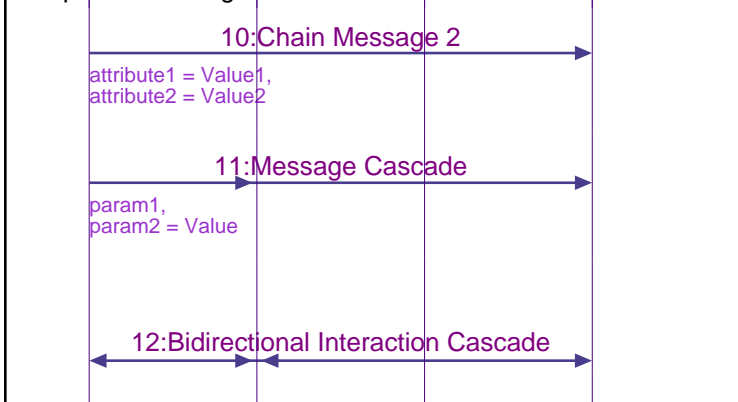
Represent a chain of message interactions in a single line. Separate message names and parameters may be specified for each message interaction.

11:Message Cascade

param1,
param2 = Value

Represent a chain of message interactions involving forwarding of the same message. One set of message name and parameters may be specified.

12:Bidirectional Interaction Cascade

Cascades work for bidirectional interactions as well.

Multicasts

United States		Canada	India	South Africa
California	Nevada	Ontario	Rajasthan	Gauteng

13:Academy Awards (Oscars)

BestActor,
BestActress,
BestMovie
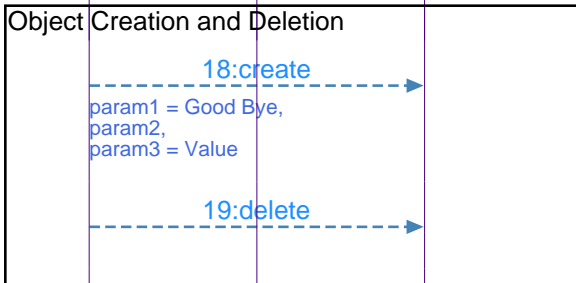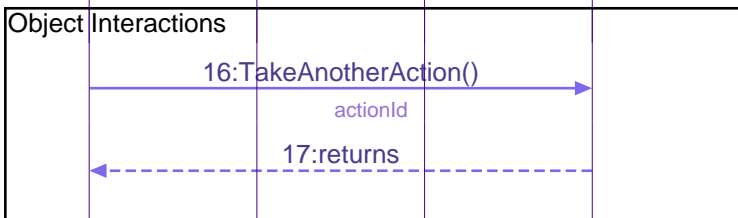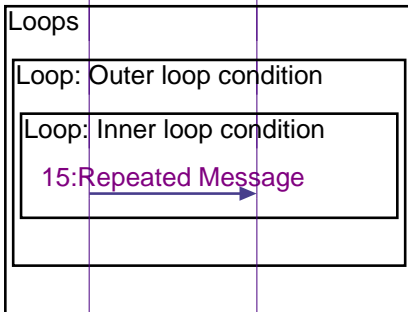
Model multicasts using this statement. The multicast sources is shown with a circle.

14:The Steve Jobs Show

One more thing...

Another multicast. This time the multicast source is not at the edge.

Loops

Loop: Outer loop condition

Loop: Inner loop condition

15:Repeated Message

Object Interactions

16:TakeAnotherAction()

actionId

17:returns

Object Creation and Deletion

18:create

param1 = Good Bye,
param2,
param3 = Value

One object creates another.

19:delete
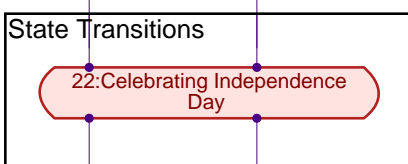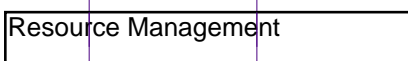
One object deletes another.

ISSUE: Why is 42 the answer to the ultimate question of life the universe and everything?

Actions

20:Celebrate Independence Day
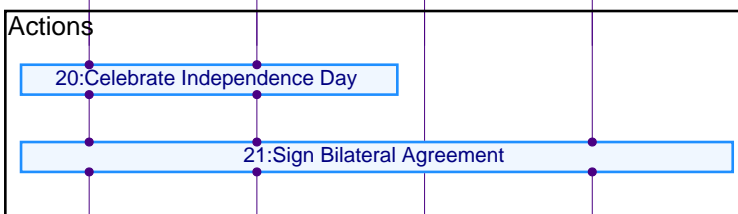
A module level action. It this case, all entities within USA are included.

21:Sign Bilateral Agreement

Action involving multiple modules.

Resource Management

State Transitions

22:Celebrating Independence Day

State specified at module level. The state transition will be included in module level and component level diagrams as well.

United States		Canada	India	South Africa
California	Nevada	Ontario	Rajasthan	Gauteng

Hyperlinks (PDF only)

23:SCTP Datagram
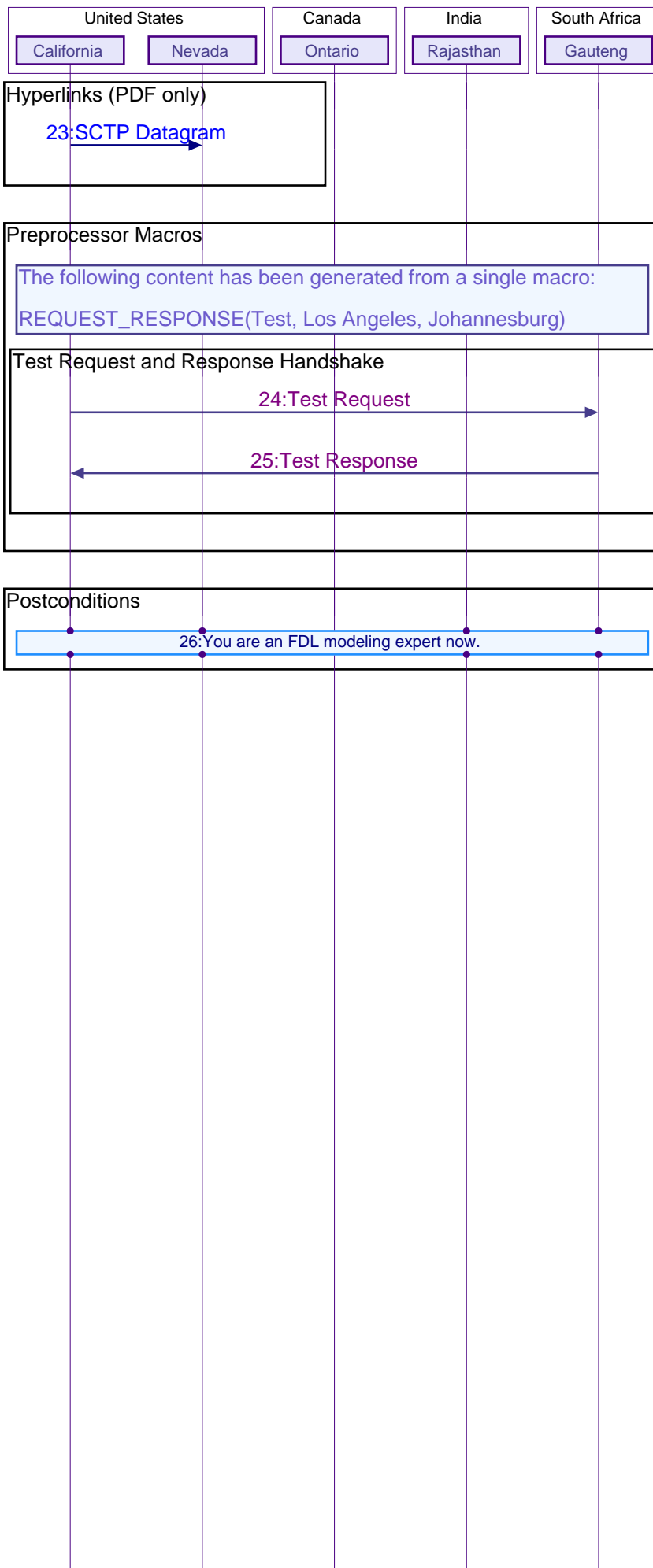
Click on the message name to get details about the message. [_hyperlink] style prefix has also been applied.

Preprocessor Macros

The following content has been generated from a single macro:

REQUEST_RESPONSE(Test, Los Angeles, Johannesburg)

Test Request and Response Handshake

24:Test Request

Test Request sent from Los Angeles to Johannesburg.

25:Test Response

Acknowledge message.

Postconditions

26:You are an FDL modeling expert now.