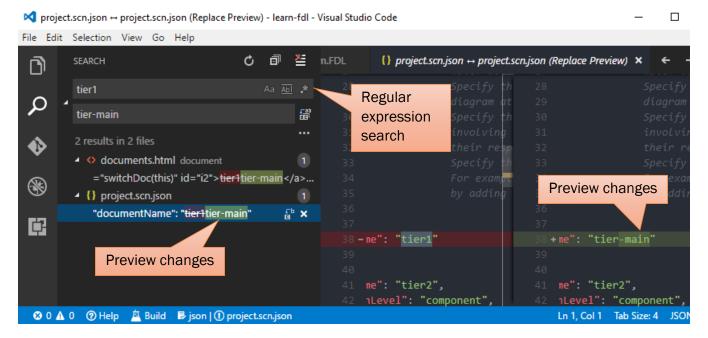
What's New in EventStudio 7

1 NEW USER INTERFACE BASED ON VISUAL STUDIO CODE

1.1 Project wide search and replace



1.2 Quick file open with fuzzy search



1.3 Multi-cursor editing

```
Multi-line (Enclosed in |* and *|) */

Message (attribute="Value" Hitting enter introduces a newline after every cursor.

field1

field2

"Los Angeles" -> "Las Vegas"

Message Statement: Model messages interactions with paramete
```

1.4 Folding

```
#ifdef ADVANCED

sequence "Message interactions with the environment" {

"Click to fold." the Left Environment": env_1 -> "San Francisco"
message from an external entity (shown on the left)

"Message from the Right Environment": "Las Vegas" <- env_r
% External interaction from an external entity (shown on the right)

Click to unfold.

Sequence "Compound Messages" {...
}

sequence "Compound Messages" {...
}
```

1.5 In-line error reporting

```
sequence_diagram.FDL - learn-fdl - Visual Studio Code
                                                                                       ×
File Edit Selection View Go Help

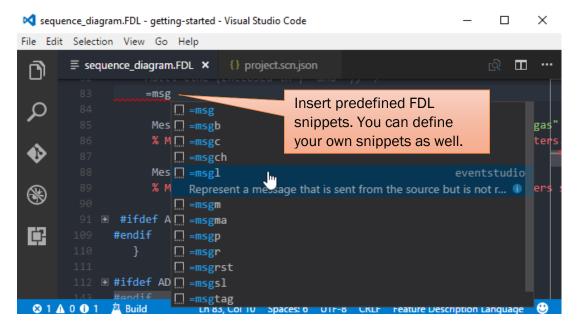
≡ sequence_diagram.FDL ×

                                                                                         ΓŊ
                      % Cascades work for bidirectional inter
                                                                  Errors are
                                                                   reported as you
                                                                  save.
                string is of zero length e message transmission that ca
                      "Los Angeles" multicasts "Academy Awards (Oscars)" 🕧 ",BestActor, 📴
                      % Model multicasts using this statement. The multicast sources is sh
                      "San Francisco" multicasts "The Steve Jobs Show" ("One more thing.
                      % Another multicast. This time the multicast source is not at the ed
 th.
         PROBLEMS
                                                              Filter b
                                                                      Errors are also reported

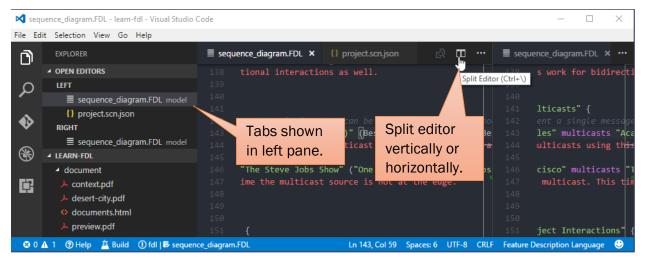
■ sequence_diagram.FDL model 2

                                                                      in the Problems window.
          string is of zero length (143, 1)____
          ♠ Why is 42 the answer to the ultimate question of life the universe and everything? (202, 1)
```

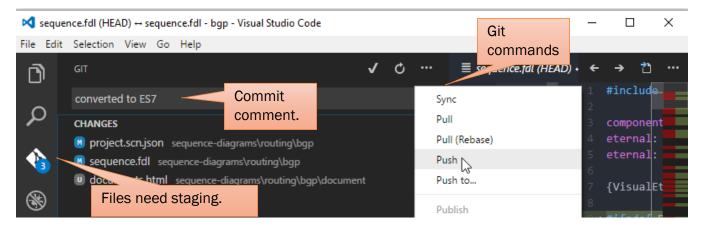
1.6 Snippets



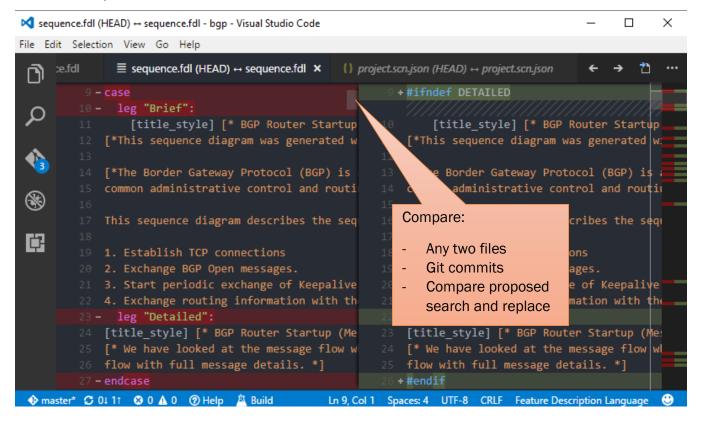
1.7 Tabs and split Editor



1.8 Built in Git support



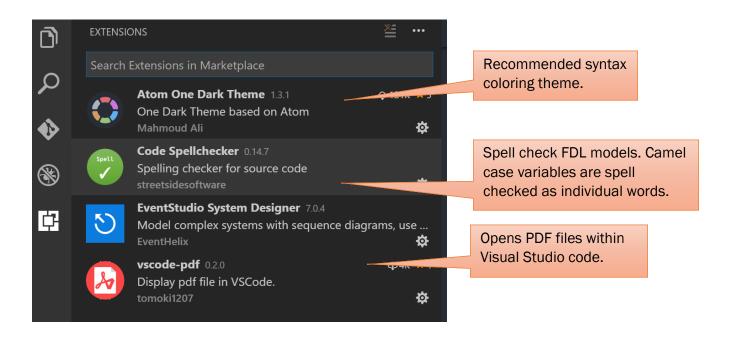
1.9 Compare files



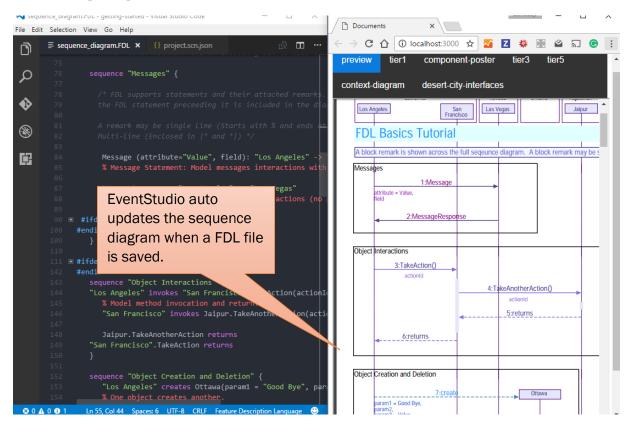
1.10 Brace and comment end matching

1.11 Extensions

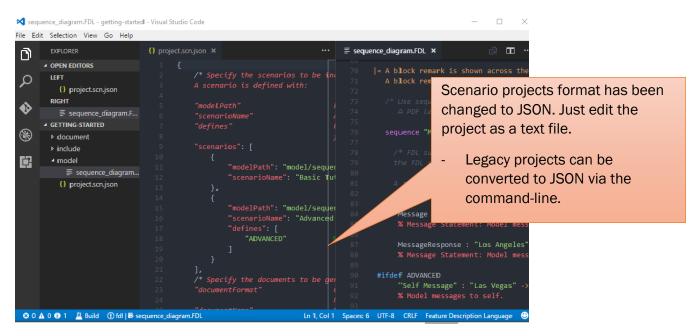
Extend your EventStudio experience with Visual Studio Code extensions. Here are a few extensions that we have found useful.



2 AUTO PREVIEW



3 JSON BASED PROJECT FILE



4 IMPROVED SUPPORT FOR MULTIPLE SCENARIOS

4.1 Preprocessor defines simplify multiple scenario definition

4.2 Specify preprocessor defines for documents

5 MULTI-LINE MESSAGE OPCODES

```
"Multi Line Message" +

"- Sub header 1" +

"- Sub header 2" (par1, par2):"Las Vegas" -> Johannesburg

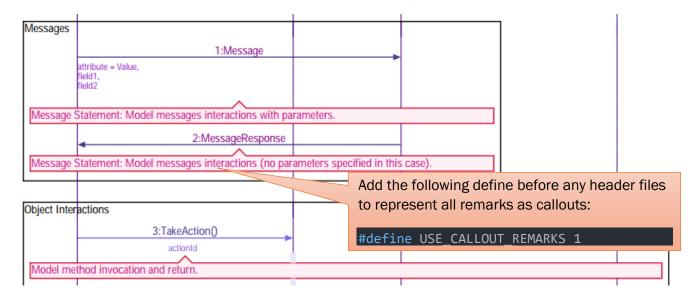
% Represent compound messages with the multi-line message syntax.

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

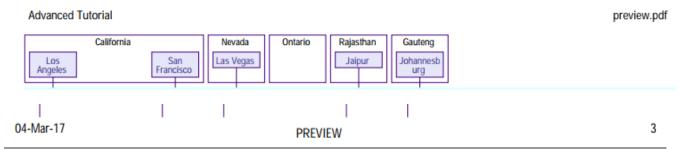
par1,
par2

Par1,
par2
```

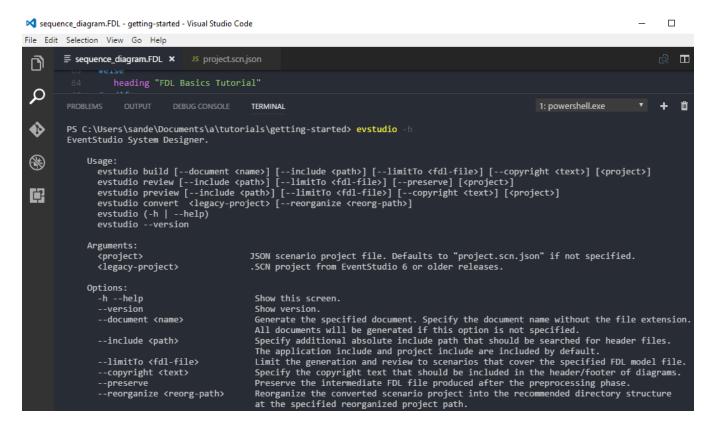
6 CALLOUT COMMENTS



7 HEADER AND FOOTERS



8 IMPROVED COMMAND LINE SUPPORT



9 SYNTAX IMPROVEMENTS

9.1 Single line remarks

```
"Self Message": "Las Vegas" -> "Las Vegas"

% Model messages to self.

"Message with Bold Arrow": "Los Angeles" => Jaipur

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

"Bidirectional Interaction": "Los Angeles" <-> Jaipur

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

9.2 Flexible syntax that permits scenario level customization



9.3 Insert pseudo code fragments in block remarks

```
"Message Cascade" (param1, param2="Value"): "Los Angeles" ->
       "San Francisco" -> "Las Vegas" -> Jaipur
       % Represent a chain of message interactions.
       [ code] |=
                                                                 You can add pseudo code right into
int my_array[5] = \{1, 2, 3, 4, 5\};
                                                                 the sequence diagram.
// double the value of each element in my array:
for (int& x : my array) {
// similar but also using type inference for array elements
for (auto& x : my array) {
                                      3:Message Cascade
       param1,
       param2 = Value
Represent a chain of message interactions.
int my_array[5] = {1, 2, 3, 4, 5};
// double the value of each element in my_array:
for (int& x : my_array) {
    x *= 2:
 // similar but also using type inference for array elements
for (auto& x : my_array) {
    x *= 2:
```