

Base Language - Feature #2078

provide support for malformed label names

03/05/2013 04:03 PM - Constantin Asofiei

Status:	Hold	Start date:	
Priority:	Normal	Due date:	
Assignee:	Constantin Asofiei	% Done:	50%
Category:		Estimated time:	0.00 hour
Target version:		version:	
billable:	No		
vendor_id:	GCD		
Description			

History

#1 - 03/05/2013 04:09 PM - Constantin Asofiei

- % Done changed from 0 to 90
- File *ca_upd20130305f.zip* added

In 4GL, it is possible to support malformed label names, as in:

```
IF AVAILABLE tncy THEN
123abc:
DO:
END.
```

or as in:

```
abc%&*123: do i = 1 to 10:
  if i mod 2 = 0 then
    next abc%&*123.
end.
```

(the later case does not go through the P2J parser, as it doesn't support these malformed symbols)

At this time, we need to provide support for the first case, when the label starts with a non-character element. To solve this, the simplest solution is to prefix the label name with an underscore, if it was marked as malformed by the parser. The attached update does just that.

OTOH, at some point we will need to enhance this to provide full support for malformed names for variables/functions/procedures/etc (as Greg has mentioned on some other occasions).

#2 - 03/05/2013 04:18 PM - Constantin Asofiei

I'm putting this through conversion regression testing.

#3 - 03/05/2013 05:15 PM - Constantin Asofiei

Passed conversion regression testing.

#4 - 03/05/2013 06:02 PM - Greg Shah

I'm OK with the code. You can check it in and distribute.

#5 - 03/06/2013 01:52 AM - Constantin Asofiei

- % Done changed from 90 to 100

Committed to bzd revision 10247.

#6 - 03/06/2013 08:08 AM - Greg Shah

- Status changed from WIP to Closed

#7 - 11/16/2016 11:07 AM - Greg Shah

- Target version changed from Milestone 4 to Conversion Support for Server Features

#8 - 01/10/2019 09:31 AM - Greg Shah

The parser now handles a wide range of malformed symbols. These are marked with the "malformed" boolean annotation.

The following resource types are affected:

- labels
- frame names
- query names
- stream names
- procedure names
- function names

Conversion must be enhanced to handle all of the cases which can be matched now. The following token types are the only types that CANNOT be matched at the beginning (or in the middle) of one of these symbols:

- DOT
- COLON
- COMMA
- EQUALS
- LPARENS
- RPARENS
- NOT_EQ
- LT
- LTE
- GT
- GTE

All other tokens can be matched as the first token.

#9 - 01/10/2019 09:43 AM - Greg Shah

- % Done changed from 100 to 50
- Status changed from Closed to Hold
- Target version deleted (Conversion Support for Server Features)
- Start date deleted (03/05/2013)

Files

ca_upd20130305f.zip	2.1 KB	03/05/2013	Constantin Asofiei
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