

Ruby - Bug #18878

parse.y: Foo::Bar {} is inconsistently rejected

06/26/2022 01:06 PM - qnighy (Masaki Hara)

Status:	Assigned	
Priority:	Normal	
Assignee:	ydah (Yudai Takada)	
Target version:		
ruby -v:	ruby 3.1.2p20 (2022-04-12 revision 4491bb740a) [x86_64-linux]	Backport: 2.7: UNKNOWN, 3.0: UNKNOWN, 3.1: UNKNOWN

Description

The following source doesn't parse:

```
Foo::Bar {}
```

despite the following:

```
bar          # local variable or method call
Bar          # constant
bar()        # method call
Bar()        # method call
bar {}       # method call
Bar {}       # method call
bar() {}     # method call
Bar() {}     # method call
Foo::bar     # method call
Foo::Bar     # constant
Foo::bar()   # method call
Foo::Bar()   # method call
Foo::bar {}  # method call
# Foo::Bar {} # SyntaxError
Foo::bar() {} # method call
Foo::Bar() {} # method call
```

Especially considering Bar {}, this looks like a missing implementation rather than an intentional behavior.

History

#1 - 06/27/2022 04:48 PM - ihmzhou (Linda Zhou)

Is there a more descriptive error message, or is SyntaxError the only output provided?

#2 - 06/28/2022 03:38 AM - qnighy (Masaki Hara)

Is there a more descriptive error message, or is SyntaxError the only output provided?

This is the actual error message:

```
% ruby -e 'Foo::Bar {}'
-e:1: syntax error, unexpected '{'
Foo::Bar {}
```

#3 - 08/30/2023 08:26 PM - jeremyevans0 (Jeremy Evans)

It looks like this will be fixed by YARP:

```
$ ruby -r yarp -e "pp YARP.parse('Foo::Bar {}')"
```

```
#<YARP::ParseResult:0x00000b1512acc448
 @comments=[],
 @errors=[],
 @source=#<YARP::Source:0x00000b14749d6690 @offsets=[0], @source="Foo::Bar {}">,
 @value=
  ProgramNode(0...11) (
```

```
    [],  
    StatementsNode(0...11) (  
        [CallNode(0...11) (ConstantReadNode(0...3) (), (3...5), (5...8), nil, nil, nil, BlockNode(9...11) ([], nil,  
nil, (9...10), (10...11)), 0, "Bar")]  
    )  
),  
@warnings=[]>
```

#4 - 03/21/2025 04:46 AM - qnighy (Masaki Hara)

Now Foo::Bar {} parses in parse.y too, but Foo::Bar {} + 1 still doesn't parse unlike in Prism.

#5 - 05/07/2025 06:07 AM - mame (Yusuke Endoh)

- Status changed from Open to Assigned
- Assignee set to ydah (Yudai Takada)