

1 icc2_shell> man set_floorplan_extension_rules

2 2. Synopsys Commands

Command Reference

3 set_floorplan_extension_rules

4
5 NAME

6 set_floorplan_extension_rules

7 Defines an extension floorplan rule in the **design**.

8
9 SYNTAX

10 set_floorplan_extension_rules

11 -rules rule_list

12 -name rule_name

13 -sides side_list

14 -target target_type

15 -value distance

16
17 Data Types

18 rule_list list

19 rule_name **string**

20 side_list list

21 target_type **string**

22 distance float

23
24 ARGUMENTS

25 -rules rule_list

26 Specifies the list of floorplan rules **for** which **this** extension
27 rule needs to be applied. It is **not** required that rules speci-
28 fied in **this** list has to pre-exist in the **design**. This is a
29 mandatory option.

30
31 -name rule_name

32 Specifies the name of the extension floorplan rule. This is a
33 mandatory option.

34
35 -sides side_list

36 Specifies the sides **or** directions in which the target object in
37 specified floorplan rules is to be extended. Valid values are
38 all, bottom, horizontal, left, right, top **and** vertical. The hor-
39 izontal argument includes both left **and** right. Similarly, the
40 ertical argument includes both bottom **and** top. This is a manda-
41 tory option.

42
43 -target target_type

44 Specifies the target object in specified floorplan rules on
45 which **this** extension rule needs to be applied. It can be "from"
46 **or** "to" **or** both objects in that specified floorplan rule. Those
47 objects will be extended by the value specified in **this** exten-
48 sion rule. This is a mandatory option.

49
50 -value distance

51 Specifies the extent by which the target objects of specified
52 floorplan rules will be extended **for** that particular rule check-
53 ing. This is a mandatory option.

54
55 DESCRIPTION

56 The set_floorplan_extension_rules command defines a named extension
57 floorplan rule in the current **design**. The defined rule is persistent.
58 If another floorplan rule by the same name exists then the command
59 errors out.

60
61 The command specifies how the target objects either in "from" **or** "to"
62 **or** both in specified floorplan rules need to be extended during that
63 particular rule check.

64
65 EXAMPLES

66 The following example creates an extension rule named ex1 to extend the
67 "from" objects in length floorplan rules le1 **and** le2 in directions top
68 **and** left by a value of 17 during the check **for** le1 **and** le2.

69

```
70      prompt> set_floorplan_extension_rules -name ex1 \
71      -rules {le1 le2} -target from \
72      -sides {top left} -value 17
73
74  SEE ALSO
75      set_floorplan_area_rules(2)
76      set_floorplan_enclosure_rules(2)
77      set_floorplan_exception_rules(2)
78      set_floorplan_halo_rules(2)
79      set_floorplan_forbidden_rules(2)
80      set_floorplan_length_rules(2)
81      set_floorplan_spacing_rules(2)
82      set_floorplan_width_rules(2)
83      remove_floorplan_rules(2)
84      report_floorplan_rules(2)
85
86      Version S-2021.06-SP5
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88  icc2_shell>
89
```