



File | C:/Users/dell/Desktop/My%20Uvm/DPSRAM\_UVM/covhtmlreport/pages/\_frametop.htm

Testplan Design DesUnits

dpsram\_top (no coverage)  
uvm\_pkg (no coverage)  
TOP\_sv\_unit

## Questa Coverage Report

Number of tests run: 1

Passed: 1  
Warning: 0  
Error: 0  
Fatal: 0

[List of tests included in report...](#)

[List of global attributes included in report...](#)

[List of Design Units included in report...](#)

Coverage Summary by Structure:			Coverage Summary by Type:				
Design Scope	Hits %	Coverage %	Total Coverage:				
			Coverage Type	Bins	Hits	Misses	Weight
TOP_sv_unit	100.00%	100.00%	Covergroups	6	6	0	1
dpsram_seq/body/#ublk#184550244#12	100.00%	100.00%	Assertions	1	1	0	1
dpsram_cov/dpsram_cov_1	100.00%	100.00%					

Report generated by Questa (ver. 10.7c) on Monday 24 May 2021 15:33:57 with command line:  
coverage report -html -htmldir covhtmlreport -assert -directive -cvg -code beefst -threshL 50 -threshH 90

```
# UVM-1.1d
# (C) 2007-2013 Mentor Graphics Corporation
# (C) 2007-2013 Cadence Design Systems, Inc.
# (C) 2006-2013 Synopsys, Inc.
# (C) 2011-2013 Cypress Semiconductor Corp.
# -----
#
# ***** IMPORTANT RELEASE NOTES *****
#
# You are using a version of the UVM library that has been
```

```

compiled
#   with `UVM_NO_DEPRECATED undefined.
#   See http://www.eda.org/svdb/view.php?id=3313 for more
details.
#
#   You are using a version of the UVM library that has been
compiled
#   with `UVM_OBJECT_MUST_HAVE_CONSTRUCTOR undefined.
#   See http://www.eda.org/svdb/view.php?id=3770 for more
details.
#
#       (Specify +UVM_NO_RELNOTES to turn off this notice)
#
# UVM_INFO @ 0: reporter [RNTST] Running test dpsram_test...
# UVM_INFO SB.sv(29) @ 0: uvm_test_top.env.sb [SB] TRANSACTIONS
FROM MON1
# sb data_in= 0,add= 0
# UVM_INFO SB.sv(32) @ 0: uvm_test_top.env.sb [SB] TRANSACTIONS
FROM MON2
# sb data_out= 0,add= 0
# -----
# -----
# Name                                Type                                Size  Value
# -----
# -----
# pkt                                dpsram_seq_item                    -      @840
#   begin_time                       time                                64      0
#   depth                           int                                 32      'd2
#   parent sequence (name)          string                             3       seq
#   parent sequence (full name)     string                             33
uvm_test_top.env.agent1.seqr1.seq
#   sequencer                       string                             29
uvm_test_top.env.agent1.seqr1
# -----
# -----
# UVM_INFO MON1.sv(33) @ 5: uvm_test_top.env.agent1.mon1 [MON]
MON TRANSACTIONS
# UVM_INFO MON2.sv(35) @ 5: uvm_test_top.env.agent2.mon2 [MON]
MON TRANSACTIONS
# UVM_INFO DRIVER.sv(27) @ 10: uvm_test_top.env.agent1.drv [DRV
TRANSACTIONS] inf.data0_in=121,inf.add0= 7, inf.wr0=0
# UVM_INFO COV.sv(31) @ 15: uvm_test_top.env.cov [SEQ] SEQUENCE
TRANSACTIONS
# UVM_INFO SB.sv(42) @ 15: uvm_test_top.env.sb [SB MATCHED] DATA
pkt.data0_in= 0,pkt1.data1_out= 0
# UVM_INFO SB.sv(29) @ 15: uvm_test_top.env.sb [SB] TRANSACTIONS
FROM MON1
# sb data_in= 0,add= 0
# UVM_INFO SB.sv(32) @ 15: uvm_test_top.env.sb [SB] TRANSACTIONS
FROM MON2
# sb data_out= 0,add= 0
# UVM_INFO DRIVER.sv(39) @ 20: uvm_test_top.env.agent1.drv [DRV]

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DRV TRANSACTION TO DUT
# UVM_INFO MON1.sv(31) @ 25: uvm_test_top.env.agent1.mon1 [MON1]
MON1 TRANSACTIONS
# UVM_INFO MON1.sv(33) @ 25: uvm_test_top.env.agent1.mon1 [MON]
MON TRANSACTIONS
# UVM_INFO MON2.sv(35) @ 25: uvm_test_top.env.agent2.mon2 [MON]
MON TRANSACTIONS
# -----
-----
# Name                                Type                                Size  Value
# -----
-----
# pkt                                dpsram_seq_item                    -      @840
#   begin_time                       time                               64      25
#   end_time                         time                               64      20
#   depth                           int                                32      'd2
#   parent sequence (name)           string                             3       seq
#   parent sequence (full name)      string                             33
uvm_test_top.env.agent1.seqr1.seq
#   sequencer                        string                             29
uvm_test_top.env.agent1.seqr1
# -----
-----
# UVM_INFO DRIVER.sv(32) @ 30: uvm_test_top.env.agent1.drv [DRV
TRANSACTIONS] inf.add1= 7, inf.wr1=1
# UVM_INFO COV.sv(31) @ 35: uvm_test_top.env.cov [SEQ] SEQUENCE
TRANSACTIONS
# UVM_INFO SB.sv(42) @ 35: uvm_test_top.env.sb [SB MATCHED] DATA
pkt.data0_in= 0,pkt1.data1_out= 0
# UVM_INFO SB.sv(29) @ 35: uvm_test_top.env.sb [SB] TRANSACTIONS
FROM MON1
# sb data_in=121,add= 7
# UVM_INFO SB.sv(32) @ 35: uvm_test_top.env.sb [SB] TRANSACTIONS
FROM MON2
# sb data_out= 0,add= 0
# UVM_INFO DRIVER.sv(39) @ 40: uvm_test_top.env.agent1.drv [DRV]
DRV TRANSACTION TO DUT
# UVM_INFO SEQ.sv(24) @ 40: uvm_test_top.env.agent1.seqr1@@seq
[SEQ] SEQUENCE TRANSACTIONS
# UVM_INFO MON1.sv(31) @ 45: uvm_test_top.env.agent1.mon1 [MON1]
MON1 TRANSACTIONS
# UVM_INFO MON1.sv(33) @ 45: uvm_test_top.env.agent1.mon1 [MON]
MON TRANSACTIONS
# UVM_INFO MON2.sv(32) @ 45: uvm_test_top.env.agent2.mon2 [MON2]
MON2 TRANSACTIONS
# UVM_INFO MON2.sv(35) @ 45: uvm_test_top.env.agent2.mon2 [MON]
MON TRANSACTIONS
# -----
-----
# Name                                Type                                Size  Value
# -----
-----

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# pkt                                dpsram_seq_item -      @840
#   begin_time                       time             64      45
#   end_time                         time             64      40
#   depth                           int               32      'd2
#   parent sequence (name)           string           3       seq
#   parent sequence (full name)      string          33
uvm_test_top.env.agent1.seqr1.seq
#   sequencer                        string           29
uvm_test_top.env.agent1.seqr1
# -----
-----
# UVM_INFO DRIVER.sv(27) @ 50: uvm_test_top.env.agent1.drv [DRV
TRANSACTIONS] inf.data0_in= 23,inf.add0=39, inf.wr0=0
# UVM_INFO COV.sv(31) @ 55: uvm_test_top.env.cov [SEQ] SEQUENCE
TRANSACTIONS
# UVM_INFO SB.sv(42) @ 55: uvm_test_top.env.sb [SB MATCHED] DATA
pkt.data0_in=121,pkt1.data1_out=121
# UVM_INFO SB.sv(29) @ 55: uvm_test_top.env.sb [SB] TRANSACTIONS
FROM MON1
# sb data_in=121,add= 7
# UVM_INFO SB.sv(32) @ 55: uvm_test_top.env.sb [SB] TRANSACTIONS
FROM MON2
# sb data_out=121,add= 7
# UVM_INFO DRIVER.sv(39) @ 60: uvm_test_top.env.agent1.drv [DRV]
DRV TRANSACTION TO DUT
# UVM_INFO MON1.sv(31) @ 65: uvm_test_top.env.agent1.mon1 [MON1]
MON1 TRANSACTIONS
# UVM_INFO MON1.sv(33) @ 65: uvm_test_top.env.agent1.mon1 [MON]
MON TRANSACTIONS
# UVM_INFO MON2.sv(32) @ 65: uvm_test_top.env.agent2.mon2 [MON2]
MON2 TRANSACTIONS
# UVM_INFO MON2.sv(35) @ 65: uvm_test_top.env.agent2.mon2 [MON]
MON TRANSACTIONS
# -----
-----
# Name                                Type                                Size  Value
# -----
-----
# pkt                                dpsram_seq_item -      @840
#   begin_time                       time             64      65
#   end_time                         time             64      60
#   depth                           int               32      'd2
#   parent sequence (name)           string           3       seq
#   parent sequence (full name)      string          33
uvm_test_top.env.agent1.seqr1.seq
#   sequencer                        string           29
uvm_test_top.env.agent1.seqr1
# -----
-----
# UVM_INFO DRIVER.sv(32) @ 70: uvm_test_top.env.agent1.drv [DRV
TRANSACTIONS] inf.add1=39, inf.wr1=1
# UVM_INFO COV.sv(31) @ 75: uvm_test_top.env.cov [SEQ] SEQUENCE

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TRANSACTIONS
# UVM_INFO SB.sv(42) @ 75: uvm_test_top.env.sb [SB MATCHED] DATA
pkt.data0_in=121,pkt1.data1_out=121
# UVM_INFO SB.sv(29) @ 75: uvm_test_top.env.sb [SB] TRANSACTIONS
FROM MON1
# sb data_in= 23,add=39
# UVM_INFO SB.sv(32) @ 75: uvm_test_top.env.sb [SB] TRANSACTIONS
FROM MON2
# sb data_out=121,add= 7
# UVM_INFO DRIVER.sv(39) @ 80: uvm_test_top.env.agent1.drv [DRV]
DRV TRANSACTION TO DUT
# UVM_INFO SEQ.sv(24) @ 80: uvm_test_top.env.agent1.seqr1@@seq
[SEQ] SEQUENCE TRANSACTIONS
# UVM_INFO MON1.sv(31) @ 85: uvm_test_top.env.agent1.mon1 [MON1]
MON1 TRANSACTIONS
# UVM_INFO MON1.sv(33) @ 85: uvm_test_top.env.agent1.mon1 [MON]
MON TRANSACTIONS
# UVM_INFO MON2.sv(32) @ 85: uvm_test_top.env.agent2.mon2 [MON2]
MON2 TRANSACTIONS
# UVM_INFO MON2.sv(35) @ 85: uvm_test_top.env.agent2.mon2 [MON]
MON TRANSACTIONS
# -----
# -----
# Name                                     Type                               Size  Value
# -----
# -----
# pkt                                     dpsram_seq_item                    -      @840
#   begin_time                           time                               64      85
#   end_time                             time                               64      80
#   depth                               int                                32      'd2
#   parent sequence (name)               string                             3       seq
#   parent sequence (full name)          string                             33
uvm_test_top.env.agent1.seqr1.seq
#   sequencer                           string                             29
uvm_test_top.env.agent1.seqr1
# -----
# -----
# UVM_INFO DRIVER.sv(27) @ 90: uvm_test_top.env.agent1.drv [DRV]
TRANSACTIONS] inf.data0_in=122,inf.add0=33, inf.wr0=0
# UVM_INFO COV.sv(31) @ 95: uvm_test_top.env.cov [SEQ] SEQUENCE
TRANSACTIONS
# UVM_INFO SB.sv(42) @ 95: uvm_test_top.env.sb [SB MATCHED] DATA
pkt.data0_in= 23,pkt1.data1_out= 23
# UVM_INFO SB.sv(29) @ 95: uvm_test_top.env.sb [SB] TRANSACTIONS
FROM MON1
# sb data_in= 23,add=39
# UVM_INFO SB.sv(32) @ 95: uvm_test_top.env.sb [SB] TRANSACTIONS
FROM MON2
# sb data_out= 23,add=39
# UVM_INFO DRIVER.sv(39) @ 100: uvm_test_top.env.agent1.drv [DRV]
DRV TRANSACTION TO DUT
# UVM_INFO MON1.sv(31) @ 105: uvm_test_top.env.agent1.mon1 [MON1]

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MON1 TRANSACTIONS
# UVM_INFO MON1.sv(33) @ 105: uvm_test_top.env.agent1.mon1 [MON]
MON TRANSACTIONS
# UVM_INFO MON2.sv(32) @ 105: uvm_test_top.env.agent2.mon2 [MON2]
MON2 TRANSACTIONS
# UVM_INFO MON2.sv(35) @ 105: uvm_test_top.env.agent2.mon2 [MON]
MON TRANSACTIONS
# -----
-----
# Name                                Type                                Size  Value
# -----
-----
# pkt                                dpsram_seq_item                    -      @840
#   begin_time                       time                               64     105
#   end_time                         time                               64     100
#   depth                           int                                32     'd2
#   parent sequence (name)           string                             3      seq
#   parent sequence (full name)      string                             33
uvm_test_top.env.agent1.seqr1.seq
#   sequencer                        string                             29
uvm_test_top.env.agent1.seqr1
# -----
-----
# UVM_INFO DRIVER.sv(32) @ 110: uvm_test_top.env.agent1.drv [DRV
TRANSACTIONS] inf.add1=33, inf.wr1=1
# UVM_INFO COV.sv(31) @ 115: uvm_test_top.env.cov [SEQ] SEQUENCE
TRANSACTIONS
# UVM_INFO SB.sv(42) @ 115: uvm_test_top.env.sb [SB MATCHED] DATA
pkt.data0_in= 23,pkt1.data1_out= 23
# UVM_INFO SB.sv(29) @ 115: uvm_test_top.env.sb [SB] TRANSACTIONS
FROM MON1
# sb data_in=122,add=33
# UVM_INFO SB.sv(32) @ 115: uvm_test_top.env.sb [SB] TRANSACTIONS
FROM MON2
# sb data_out= 23,add=39
# UVM_INFO DRIVER.sv(39) @ 120: uvm_test_top.env.agent1.drv [DRV]
DRV TRANSACTION TO DUT
# UVM_INFO SEQ.sv(24) @ 120: uvm_test_top.env.agent1.seqr1@@seq
[SEQ] SEQUENCE TRANSACTIONS
# UVM_INFO MON1.sv(31) @ 125: uvm_test_top.env.agent1.mon1 [MON1]
MON1 TRANSACTIONS
# UVM_INFO MON1.sv(33) @ 125: uvm_test_top.env.agent1.mon1 [MON]
MON TRANSACTIONS
# UVM_INFO MON2.sv(32) @ 125: uvm_test_top.env.agent2.mon2 [MON2]
MON2 TRANSACTIONS
# UVM_INFO MON2.sv(35) @ 125: uvm_test_top.env.agent2.mon2 [MON]
MON TRANSACTIONS
# -----
-----
# Name                                Type                                Size  Value
# -----
-----

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# pkt                                dpsram_seq_item -      @840
#   begin_time                       time             64      125
#   end_time                         time             64      120
#   depth                           int              32      'd2
#   parent sequence (name)          string           3       seq
#   parent sequence (full name)     string           33
uvm_test_top.env.agent1.seqr1.seq
#   sequencer                       string           29
uvm_test_top.env.agent1.seqr1
# -----
-----
# UVM_INFO DRIVER.sv(27) @ 130: uvm_test_top.env.agent1.drv [DRV
TRANSACTIONS] inf.data0_in=225,inf.add0=40, inf.wr0=0
# UVM_INFO COV.sv(31) @ 135: uvm_test_top.env.cov [SEQ] SEQUENCE
TRANSACTIONS
# UVM_INFO SB.sv(42) @ 135: uvm_test_top.env.sb [SB MATCHED] DATA
pkt.data0_in=122,pkt1.data1_out=122
# UVM_INFO SB.sv(29) @ 135: uvm_test_top.env.sb [SB] TRANSACTIONS
FROM MON1
# sb data_in=122,add=33
# UVM_INFO SB.sv(32) @ 135: uvm_test_top.env.sb [SB] TRANSACTIONS
FROM MON2
# sb data_out=122,add=33
# UVM_INFO DRIVER.sv(39) @ 140: uvm_test_top.env.agent1.drv [DRV]
DRV TRANSACTION TO DUT
# UVM_INFO MON1.sv(31) @ 145: uvm_test_top.env.agent1.mon1 [MON1]
MON1 TRANSACTIONS
# UVM_INFO MON1.sv(33) @ 145: uvm_test_top.env.agent1.mon1 [MON]
MON TRANSACTIONS
# UVM_INFO MON2.sv(32) @ 145: uvm_test_top.env.agent2.mon2 [MON2]
MON2 TRANSACTIONS
# UVM_INFO MON2.sv(35) @ 145: uvm_test_top.env.agent2.mon2 [MON]
MON TRANSACTIONS
# -----
-----
# Name                                Type                                Size  Value
# -----
-----
# pkt                                dpsram_seq_item -      @840
#   begin_time                       time             64      145
#   end_time                         time             64      140
#   depth                           int              32      'd2
#   parent sequence (name)          string           3       seq
#   parent sequence (full name)     string           33
uvm_test_top.env.agent1.seqr1.seq
#   sequencer                       string           29
uvm_test_top.env.agent1.seqr1
# -----
-----
# UVM_INFO DRIVER.sv(32) @ 150: uvm_test_top.env.agent1.drv [DRV
TRANSACTIONS] inf.add1=40, inf.wr1=1
# UVM_INFO COV.sv(31) @ 155: uvm_test_top.env.cov [SEQ] SEQUENCE

```



```

TRANSACTIONS
# UVM_INFO SB.sv(42) @ 155: uvm_test_top.env.sb [SB MATCHED] DATA
pkt.data0_in=122,pkt1.data1_out=122
# UVM_INFO SB.sv(29) @ 155: uvm_test_top.env.sb [SB] TRANSACTIONS
FROM MON1
# sb data_in=225,add=40
# UVM_INFO SB.sv(32) @ 155: uvm_test_top.env.sb [SB] TRANSACTIONS
FROM MON2
# sb data_out=122,add=33
# UVM_INFO DRIVER.sv(39) @ 160: uvm_test_top.env.agent1.drv [DRV]
DRV TRANSACTION TO DUT
# UVM_INFO SEQ.sv(24) @ 160: uvm_test_top.env.agent1.seqr1@@seq
[SEQ] SEQUENCE TRANSACTIONS
# UVM_INFO MON1.sv(31) @ 165: uvm_test_top.env.agent1.mon1 [MON1]
MON1 TRANSACTIONS
# UVM_INFO MON1.sv(33) @ 165: uvm_test_top.env.agent1.mon1 [MON]
MON TRANSACTIONS
# UVM_INFO MON2.sv(32) @ 165: uvm_test_top.env.agent2.mon2 [MON2]
MON2 TRANSACTIONS
# UVM_INFO MON2.sv(35) @ 165: uvm_test_top.env.agent2.mon2 [MON]
MON TRANSACTIONS
# -----
-----
# Name                                     Type                               Size  Value
# -----
-----
# pkt                                     dpsram_seq_item                    -      @840
#   begin_time                           time                               64     165
#   end_time                             time                               64     160
#   depth                                int                                32     'd2
#   parent sequence (name)               string                             3      seq
#   parent sequence (full name)          string                             33
uvm_test_top.env.agent1.seqr1.seq
#   sequencer                            string                             29
uvm_test_top.env.agent1.seqr1
# -----
-----
# UVM_INFO DRIVER.sv(27) @ 170: uvm_test_top.env.agent1.drv [DRV]
TRANSACTIONS] inf.data0_in=201,inf.add0=47, inf.wr0=0
# UVM_INFO COV.sv(31) @ 175: uvm_test_top.env.cov [SEQ] SEQUENCE
TRANSACTIONS
# UVM_INFO SB.sv(42) @ 175: uvm_test_top.env.sb [SB MATCHED] DATA
pkt.data0_in=225,pkt1.data1_out=225
# UVM_INFO SB.sv(29) @ 175: uvm_test_top.env.sb [SB] TRANSACTIONS
FROM MON1
# sb data_in=225,add=40
# UVM_INFO SB.sv(32) @ 175: uvm_test_top.env.sb [SB] TRANSACTIONS
FROM MON2
# sb data_out=225,add=40
# UVM_INFO DRIVER.sv(39) @ 180: uvm_test_top.env.agent1.drv [DRV]
DRV TRANSACTION TO DUT
# UVM_INFO MON1.sv(31) @ 185: uvm_test_top.env.agent1.mon1 [MON1]

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```

MON1 TRANSACTIONS
# UVM_INFO MON1.sv(33) @ 185: uvm_test_top.env.agent1.mon1 [MON]
MON TRANSACTIONS
# UVM_INFO MON2.sv(32) @ 185: uvm_test_top.env.agent2.mon2 [MON2]
MON2 TRANSACTIONS
# UVM_INFO MON2.sv(35) @ 185: uvm_test_top.env.agent2.mon2 [MON]
MON TRANSACTIONS
# -----
-----
# Name                                     Type                               Size  Value
# -----
-----
# pkt                                     dpsram_seq_item                    -      @840
#   begin_time                           time                               64     185
#   end_time                             time                               64     180
#   depth                               int                                32     'd2
#   parent sequence (name)               string                             3      seq
#   parent sequence (full name)          string                             33
uvm_test_top.env.agent1.seqr1.seq
#   sequencer                           string                             29
uvm_test_top.env.agent1.seqr1
# -----
-----
# UVM_INFO DRIVER.sv(32) @ 190: uvm_test_top.env.agent1.drv [DRV
TRANSACTIONS] inf.add1=47, inf.wr1=1
# UVM_INFO COV.sv(31) @ 195: uvm_test_top.env.cov [SEQ] SEQUENCE
TRANSACTIONS
# UVM_INFO SB.sv(42) @ 195: uvm_test_top.env.sb [SB MATCHED] DATA
pkt.data0_in=225,pkt1.data1_out=225
# UVM_INFO SB.sv(29) @ 195: uvm_test_top.env.sb [SB] TRANSACTIONS
FROM MON1
# sb data_in=201,add=47
# UVM_INFO SB.sv(32) @ 195: uvm_test_top.env.sb [SB] TRANSACTIONS
FROM MON2
# sb data_out=225,add=40
# UVM_INFO DRIVER.sv(39) @ 200: uvm_test_top.env.agent1.drv [DRV]
DRV TRANSACTION TO DUT
# UVM_INFO SEQ.sv(24) @ 200: uvm_test_top.env.agent1.seqr1@@seq
[SEQ] SEQUENCE TRANSACTIONS
# UVM_INFO MON1.sv(31) @ 205: uvm_test_top.env.agent1.mon1 [MON1]
MON1 TRANSACTIONS
# UVM_INFO MON1.sv(33) @ 205: uvm_test_top.env.agent1.mon1 [MON]
MON TRANSACTIONS
# UVM_INFO MON2.sv(32) @ 205: uvm_test_top.env.agent2.mon2 [MON2]
MON2 TRANSACTIONS
# UVM_INFO MON2.sv(35) @ 205: uvm_test_top.env.agent2.mon2 [MON]
MON TRANSACTIONS
# -----
-----
# Name                                     Type                               Size  Value
# -----
-----

```

```

# pkt                                dpsram_seq_item -      @840
#   begin_time                       time             64      205
#   end_time                         time             64      200
#   depth                           int              32      'd2
#   parent sequence (name)          string           3       seq
#   parent sequence (full name)     string          33
uvm_test_top.env.agent1.seqr1.seq
#   sequencer                       string           29
uvm_test_top.env.agent1.seqr1
# -----
-----
# UVM_INFO DRIVER.sv(27) @ 210: uvm_test_top.env.agent1.drv [DRV
TRANSACTIONS] inf.data0_in= 43,inf.add0= 5, inf.wr0=0
# UVM_INFO COV.sv(31) @ 215: uvm_test_top.env.cov [SEQ] SEQUENCE
TRANSACTIONS
# UVM_INFO SB.sv(42) @ 215: uvm_test_top.env.sb [SB MATCHED] DATA
pkt.data0_in=201,pkt1.data1_out=201
# UVM_INFO SB.sv(29) @ 215: uvm_test_top.env.sb [SB] TRANSACTIONS
FROM MON1
# sb data_in=201,add=47
# UVM_INFO SB.sv(32) @ 215: uvm_test_top.env.sb [SB] TRANSACTIONS
FROM MON2
# sb data_out=201,add=47
# UVM_INFO DRIVER.sv(39) @ 220: uvm_test_top.env.agent1.drv [DRV]
DRV TRANSACTION TO DUT
# UVM_INFO MON1.sv(31) @ 225: uvm_test_top.env.agent1.mon1 [MON1]
MON1 TRANSACTIONS
# UVM_INFO MON1.sv(33) @ 225: uvm_test_top.env.agent1.mon1 [MON]
MON TRANSACTIONS
# UVM_INFO MON2.sv(32) @ 225: uvm_test_top.env.agent2.mon2 [MON2]
MON2 TRANSACTIONS
# UVM_INFO MON2.sv(35) @ 225: uvm_test_top.env.agent2.mon2 [MON]
MON TRANSACTIONS
# -----
-----
# Name                                Type                                Size  Value
# -----
-----
# pkt                                dpsram_seq_item -      @840
#   begin_time                       time             64      225
#   end_time                         time             64      220
#   depth                           int              32      'd2
#   parent sequence (name)          string           3       seq
#   parent sequence (full name)     string          33
uvm_test_top.env.agent1.seqr1.seq
#   sequencer                       string           29
uvm_test_top.env.agent1.seqr1
# -----
-----
# UVM_INFO DRIVER.sv(32) @ 230: uvm_test_top.env.agent1.drv [DRV
TRANSACTIONS] inf.add1= 5, inf.wr1=1
# UVM_INFO COV.sv(31) @ 235: uvm_test_top.env.cov [SEQ] SEQUENCE

```

```

TRANSACTIONS
# UVM_INFO SB.sv(42) @ 235: uvm_test_top.env.sb [SB MATCHED] DATA
pkt.data0_in=201,pkt1.data1_out=201
# UVM_INFO SB.sv(29) @ 235: uvm_test_top.env.sb [SB] TRANSACTIONS
FROM MON1
# sb data_in= 43,add= 5
# UVM_INFO SB.sv(32) @ 235: uvm_test_top.env.sb [SB] TRANSACTIONS
FROM MON2
# sb data_out=201,add=47
# UVM_INFO DRIVER.sv(39) @ 240: uvm_test_top.env.agent1.drv [DRV]
DRV TRANSACTION TO DUT
# UVM_INFO SEQ.sv(24) @ 240: uvm_test_top.env.agent1.seqr1@@seq
[SEQ] SEQUENCE TRANSACTIONS
# UVM_INFO MON1.sv(31) @ 245: uvm_test_top.env.agent1.mon1 [MON1]
MON1 TRANSACTIONS
# UVM_INFO MON1.sv(33) @ 245: uvm_test_top.env.agent1.mon1 [MON]
MON TRANSACTIONS
# UVM_INFO MON2.sv(32) @ 245: uvm_test_top.env.agent2.mon2 [MON2]
MON2 TRANSACTIONS
# UVM_INFO MON2.sv(35) @ 245: uvm_test_top.env.agent2.mon2 [MON]
MON TRANSACTIONS
# -----
-----
# Name                                     Type                               Size  Value
# -----
-----
# pkt                                     dpsram_seq_item                    -      @840
#   begin_time                           time                               64      245
#   end_time                             time                               64      240
#   depth                                int                                32      'd2
#   parent sequence (name)               string                             3       seq
#   parent sequence (full name)          string                             33
uvm_test_top.env.agent1.seqr1.seq
#   sequencer                            string                             29
uvm_test_top.env.agent1.seqr1
# -----
-----
# UVM_INFO DRIVER.sv(27) @ 250: uvm_test_top.env.agent1.drv [DRV]
TRANSACTIONS] inf.data0_in=220,inf.add0=42, inf.wr0=0
# UVM_INFO COV.sv(31) @ 255: uvm_test_top.env.cov [SEQ] SEQUENCE
TRANSACTIONS
# UVM_INFO SB.sv(42) @ 255: uvm_test_top.env.sb [SB MATCHED] DATA
pkt.data0_in= 43,pkt1.data1_out= 43
# UVM_INFO SB.sv(29) @ 255: uvm_test_top.env.sb [SB] TRANSACTIONS
FROM MON1
# sb data_in= 43,add= 5
# UVM_INFO SB.sv(32) @ 255: uvm_test_top.env.sb [SB] TRANSACTIONS
FROM MON2
# sb data_out= 43,add= 5
# UVM_INFO DRIVER.sv(39) @ 260: uvm_test_top.env.agent1.drv [DRV]
DRV TRANSACTION TO DUT
# UVM_INFO MON1.sv(31) @ 265: uvm_test_top.env.agent1.mon1 [MON1]

```

```

MON1 TRANSACTIONS
# UVM_INFO MON1.sv(33) @ 265: uvm_test_top.env.agent1.mon1 [MON]
MON TRANSACTIONS
# UVM_INFO MON2.sv(32) @ 265: uvm_test_top.env.agent2.mon2 [MON2]
MON2 TRANSACTIONS
# UVM_INFO MON2.sv(35) @ 265: uvm_test_top.env.agent2.mon2 [MON]
MON TRANSACTIONS
# -----
-----
# Name                                Type                                Size  Value
# -----
-----
# pkt                                dpsram_seq_item                    -      @840
#   begin_time                       time                               64     265
#   end_time                         time                               64     260
#   depth                           int                                32     'd2
#   parent sequence (name)           string                             3      seq
#   parent sequence (full name)      string                             33
uvm_test_top.env.agent1.seqr1.seq
#   sequencer                        string                             29
uvm_test_top.env.agent1.seqr1
# -----
-----
# UVM_INFO DRIVER.sv(32) @ 270: uvm_test_top.env.agent1.drv [DRV
TRANSACTIONS] inf.add1=42, inf.wr1=1
# UVM_INFO COV.sv(31) @ 275: uvm_test_top.env.cov [SEQ] SEQUENCE
TRANSACTIONS
# UVM_INFO SB.sv(42) @ 275: uvm_test_top.env.sb [SB MATCHED] DATA
pkt.data0_in= 43,pkt1.data1_out= 43
# UVM_INFO SB.sv(29) @ 275: uvm_test_top.env.sb [SB] TRANSACTIONS
FROM MON1
# sb data_in=220,add=42
# UVM_INFO SB.sv(32) @ 275: uvm_test_top.env.sb [SB] TRANSACTIONS
FROM MON2
# sb data_out= 43,add= 5
# UVM_INFO DRIVER.sv(39) @ 280: uvm_test_top.env.agent1.drv [DRV]
DRV TRANSACTION TO DUT
# UVM_INFO SEQ.sv(24) @ 280: uvm_test_top.env.agent1.seqr1@@seq
[SEQ] SEQUENCE TRANSACTIONS
# UVM_INFO MON1.sv(31) @ 285: uvm_test_top.env.agent1.mon1 [MON1]
MON1 TRANSACTIONS
# UVM_INFO MON1.sv(33) @ 285: uvm_test_top.env.agent1.mon1 [MON]
MON TRANSACTIONS
# UVM_INFO MON2.sv(32) @ 285: uvm_test_top.env.agent2.mon2 [MON2]
MON2 TRANSACTIONS
# UVM_INFO MON2.sv(35) @ 285: uvm_test_top.env.agent2.mon2 [MON]
MON TRANSACTIONS
# -----
-----
# Name                                Type                                Size  Value
# -----
-----

```

```

# pkt                dpsram_seq_item  -      @840
#   begin_time       time             64      285
#   end_time         time             64      280
#   depth            int              32      'd2
#   parent sequence (name) string      3       seq
#   parent sequence (full name) string 33
uvm_test_top.env.agent1.seqr1.seq
#   sequencer        string           29
uvm_test_top.env.agent1.seqr1
# -----
-----
# UVM_INFO DRIVER.sv(27) @ 290: uvm_test_top.env.agent1.drv [DRV
TRANSACTIONS] inf.data0_in=160,inf.add0= 6, inf.wr0=0
# UVM_INFO COV.sv(31) @ 295: uvm_test_top.env.cov [SEQ] SEQUENCE
TRANSACTIONS
# UVM_INFO SB.sv(42) @ 295: uvm_test_top.env.sb [SB MATCHED] DATA
pkt.data0_in=220,pkt1.data1_out=220
# UVM_INFO SB.sv(29) @ 295: uvm_test_top.env.sb [SB] TRANSACTIONS
FROM MON1
# sb data_in=220,add=42
# UVM_INFO SB.sv(32) @ 295: uvm_test_top.env.sb [SB] TRANSACTIONS
FROM MON2
# sb data_out=220,add=42
# UVM_INFO DRIVER.sv(39) @ 300: uvm_test_top.env.agent1.drv [DRV]
DRV TRANSACTION TO DUT
# UVM_INFO MON1.sv(31) @ 305: uvm_test_top.env.agent1.mon1 [MON1]
MON1 TRANSACTIONS
# UVM_INFO MON1.sv(33) @ 305: uvm_test_top.env.agent1.mon1 [MON]
MON TRANSACTIONS
# UVM_INFO MON2.sv(32) @ 305: uvm_test_top.env.agent2.mon2 [MON2]
MON2 TRANSACTIONS
# UVM_INFO MON2.sv(35) @ 305: uvm_test_top.env.agent2.mon2 [MON]
MON TRANSACTIONS
# -----
-----
# Name                Type                Size  Value
# -----
-----
# pkt                dpsram_seq_item  -      @840
#   begin_time       time             64      305
#   end_time         time             64      300
#   depth            int              32      'd2
#   parent sequence (name) string      3       seq
#   parent sequence (full name) string 33
uvm_test_top.env.agent1.seqr1.seq
#   sequencer        string           29
uvm_test_top.env.agent1.seqr1
# -----
-----
# UVM_INFO DRIVER.sv(32) @ 310: uvm_test_top.env.agent1.drv [DRV
TRANSACTIONS] inf.add1= 6, inf.wr1=1
# UVM_INFO COV.sv(31) @ 315: uvm_test_top.env.cov [SEQ] SEQUENCE

```

```

TRANSACTIONS
# UVM_INFO SB.sv(42) @ 315: uvm_test_top.env.sb [SB MATCHED] DATA
pkt.data0_in=220,pkt1.data1_out=220
# UVM_INFO SB.sv(29) @ 315: uvm_test_top.env.sb [SB] TRANSACTIONS
FROM MON1
# sb data_in=160,add= 6
# UVM_INFO SB.sv(32) @ 315: uvm_test_top.env.sb [SB] TRANSACTIONS
FROM MON2
# sb data_out=220,add=42
# UVM_INFO DRIVER.sv(39) @ 320: uvm_test_top.env.agent1.drv [DRV]
DRV TRANSACTION TO DUT
# UVM_INFO SEQ.sv(24) @ 320: uvm_test_top.env.agent1.seqr1@@seq
[SEQ] SEQUENCE TRANSACTIONS
# UVM_INFO MON1.sv(31) @ 325: uvm_test_top.env.agent1.mon1 [MON1]
MON1 TRANSACTIONS
# UVM_INFO MON1.sv(33) @ 325: uvm_test_top.env.agent1.mon1 [MON]
MON TRANSACTIONS
# UVM_INFO MON2.sv(32) @ 325: uvm_test_top.env.agent2.mon2 [MON2]
MON2 TRANSACTIONS
# UVM_INFO MON2.sv(35) @ 325: uvm_test_top.env.agent2.mon2 [MON]
MON TRANSACTIONS
# -----
-----
# Name                                     Type                               Size  Value
# -----
-----
# pkt                                     dpsram_seq_item                    -      @840
#   begin_time                           time                               64      325
#   end_time                             time                               64      320
#   depth                               int                                32      'd2
#   parent sequence (name)               string                             3       seq
#   parent sequence (full name)          string                             33
uvm_test_top.env.agent1.seqr1.seq
#   sequencer                           string                             29
uvm_test_top.env.agent1.seqr1
# -----
-----
# UVM_INFO DRIVER.sv(27) @ 330: uvm_test_top.env.agent1.drv [DRV
TRANSACTIONS] inf.data0_in=192,inf.add0=42, inf.wr0=0
# UVM_INFO COV.sv(31) @ 335: uvm_test_top.env.cov [SEQ] SEQUENCE
TRANSACTIONS
# UVM_INFO SB.sv(42) @ 335: uvm_test_top.env.sb [SB MATCHED] DATA
pkt.data0_in=160,pkt1.data1_out=160
# UVM_INFO SB.sv(29) @ 335: uvm_test_top.env.sb [SB] TRANSACTIONS
FROM MON1
# sb data_in=160,add= 6
# UVM_INFO SB.sv(32) @ 335: uvm_test_top.env.sb [SB] TRANSACTIONS
FROM MON2
# sb data_out=160,add= 6
# UVM_INFO DRIVER.sv(39) @ 340: uvm_test_top.env.agent1.drv [DRV]
DRV TRANSACTION TO DUT
# UVM_INFO MON1.sv(31) @ 345: uvm_test_top.env.agent1.mon1 [MON1]

```

```

MON1 TRANSACTIONS
# UVM_INFO MON1.sv(33) @ 345: uvm_test_top.env.agent1.mon1 [MON]
MON TRANSACTIONS
# UVM_INFO MON2.sv(32) @ 345: uvm_test_top.env.agent2.mon2 [MON2]
MON2 TRANSACTIONS
# UVM_INFO MON2.sv(35) @ 345: uvm_test_top.env.agent2.mon2 [MON]
MON TRANSACTIONS
# -----
-----
# Name                                Type                                Size  Value
# -----
-----
# pkt                                dpsram_seq_item                    -      @840
#   begin_time                       time                               64     345
#   end_time                         time                               64     340
#   depth                           int                                32     'd2
#   parent sequence (name)           string                             3      seq
#   parent sequence (full name)      string                             33
uvm_test_top.env.agent1.seqr1.seq
#   sequencer                        string                             29
uvm_test_top.env.agent1.seqr1
# -----
-----
# UVM_INFO DRIVER.sv(32) @ 350: uvm_test_top.env.agent1.drv [DRV
TRANSACTIONS] inf.add1=42, inf.wr1=1
# UVM_INFO COV.sv(31) @ 355: uvm_test_top.env.cov [SEQ] SEQUENCE
TRANSACTIONS
# UVM_INFO SB.sv(42) @ 355: uvm_test_top.env.sb [SB MATCHED] DATA
pkt.data0_in=160,pkt1.data1_out=160
# UVM_INFO SB.sv(29) @ 355: uvm_test_top.env.sb [SB] TRANSACTIONS
FROM MON1
# sb data_in=192,add=42
# UVM_INFO SB.sv(32) @ 355: uvm_test_top.env.sb [SB] TRANSACTIONS
FROM MON2
# sb data_out=160,add= 6
# UVM_INFO DRIVER.sv(39) @ 360: uvm_test_top.env.agent1.drv [DRV]
DRV TRANSACTION TO DUT
# UVM_INFO SEQ.sv(24) @ 360: uvm_test_top.env.agent1.seqr1@@seq
[SEQ] SEQUENCE TRANSACTIONS
# UVM_INFO MON1.sv(31) @ 365: uvm_test_top.env.agent1.mon1 [MON1]
MON1 TRANSACTIONS
# UVM_INFO MON1.sv(33) @ 365: uvm_test_top.env.agent1.mon1 [MON]
MON TRANSACTIONS
# UVM_INFO MON2.sv(32) @ 365: uvm_test_top.env.agent2.mon2 [MON2]
MON2 TRANSACTIONS
# UVM_INFO MON2.sv(35) @ 365: uvm_test_top.env.agent2.mon2 [MON]
MON TRANSACTIONS
# -----
-----
# Name                                Type                                Size  Value
# -----
-----

```



```

# pkt                                dpsram_seq_item  -      @840
#   begin_time                       time              64      365
#   end_time                         time              64      360
#   depth                           int                32      'd2
#   parent sequence (name)           string            3       seq
#   parent sequence (full name)      string            33
uvm_test_top.env.agent1.seqr1.seq
#   sequencer                        string            29
uvm_test_top.env.agent1.seqr1
# -----
-----
# UVM_INFO DRIVER.sv(27) @ 370: uvm_test_top.env.agent1.drv [DRV
TRANSACTIONS] inf.data0_in= 66,inf.add0=24, inf.wr0=0
# UVM_INFO COV.sv(31) @ 375: uvm_test_top.env.cov [SEQ] SEQUENCE
TRANSACTIONS
# UVM_INFO SB.sv(42) @ 375: uvm_test_top.env.sb [SB MATCHED] DATA
pkt.data0_in=192,pkt1.data1_out=192
# UVM_INFO SB.sv(29) @ 375: uvm_test_top.env.sb [SB] TRANSACTIONS
FROM MON1
# sb data_in=192,add=42
# UVM_INFO SB.sv(32) @ 375: uvm_test_top.env.sb [SB] TRANSACTIONS
FROM MON2
# sb data_out=192,add=42
# UVM_INFO DRIVER.sv(39) @ 380: uvm_test_top.env.agent1.drv [DRV]
DRV TRANSACTION TO DUT
# UVM_INFO MON1.sv(31) @ 385: uvm_test_top.env.agent1.mon1 [MON1]
MON1 TRANSACTIONS
# UVM_INFO MON1.sv(33) @ 385: uvm_test_top.env.agent1.mon1 [MON]
MON TRANSACTIONS
# UVM_INFO MON2.sv(32) @ 385: uvm_test_top.env.agent2.mon2 [MON2]
MON2 TRANSACTIONS
# UVM_INFO MON2.sv(35) @ 385: uvm_test_top.env.agent2.mon2 [MON]
MON TRANSACTIONS
# -----
-----
# Name                                Type              Size  Value
# -----
-----
# pkt                                dpsram_seq_item  -      @840
#   begin_time                       time              64      385
#   end_time                         time              64      380
#   depth                           int                32      'd2
#   parent sequence (name)           string            3       seq
#   parent sequence (full name)      string            33
uvm_test_top.env.agent1.seqr1.seq
#   sequencer                        string            29
uvm_test_top.env.agent1.seqr1
# -----
-----
# UVM_INFO DRIVER.sv(32) @ 390: uvm_test_top.env.agent1.drv [DRV
TRANSACTIONS] inf.add1=24, inf.wr1=1
# UVM_INFO COV.sv(31) @ 395: uvm_test_top.env.cov [SEQ] SEQUENCE

```

```

TRANSACTIONS
# UVM_INFO SB.sv(42) @ 395: uvm_test_top.env.sb [SB MATCHED] DATA
pkt.data0_in=192,pkt1.data1_out=192
# UVM_INFO SB.sv(29) @ 395: uvm_test_top.env.sb [SB] TRANSACTIONS
FROM MON1
# sb data_in= 66,add=24
# UVM_INFO SB.sv(32) @ 395: uvm_test_top.env.sb [SB] TRANSACTIONS
FROM MON2
# sb data_out=192,add=42
# UVM_INFO DRIVER.sv(39) @ 400: uvm_test_top.env.agent1.drv [DRV]
DRV TRANSACTION TO DUT
# UVM_INFO SEQ.sv(24) @ 400: uvm_test_top.env.agent1.seqr1@@seq
[SEQ] SEQUENCE TRANSACTIONS
# UVM_INFO MON1.sv(31) @ 405: uvm_test_top.env.agent1.mon1 [MON1]
MON1 TRANSACTIONS
# UVM_INFO MON1.sv(33) @ 405: uvm_test_top.env.agent1.mon1 [MON]
MON TRANSACTIONS
# UVM_INFO MON2.sv(32) @ 405: uvm_test_top.env.agent2.mon2 [MON2]
MON2 TRANSACTIONS
# UVM_INFO MON2.sv(35) @ 405: uvm_test_top.env.agent2.mon2 [MON]
MON TRANSACTIONS
# UVM_INFO COV.sv(31) @ 415: uvm_test_top.env.cov [SEQ] SEQUENCE
TRANSACTIONS
# UVM_INFO SB.sv(42) @ 415: uvm_test_top.env.sb [SB MATCHED] DATA
pkt.data0_in= 66,pkt1.data1_out= 66
# UVM_INFO SB.sv(29) @ 415: uvm_test_top.env.sb [SB] TRANSACTIONS
FROM MON1
# sb data_in= 66,add=24
# UVM_INFO SB.sv(32) @ 415: uvm_test_top.env.sb [SB] TRANSACTIONS
FROM MON2
# sb data_out= 66,add=24
# UVM_INFO MON1.sv(31) @ 425: uvm_test_top.env.agent1.mon1 [MON1]
MON1 TRANSACTIONS
# UVM_INFO MON1.sv(33) @ 425: uvm_test_top.env.agent1.mon1 [MON]
MON TRANSACTIONS
# UVM_INFO MON2.sv(32) @ 425: uvm_test_top.env.agent2.mon2 [MON2]
MON2 TRANSACTIONS
# UVM_INFO MON2.sv(35) @ 425: uvm_test_top.env.agent2.mon2 [MON]
MON TRANSACTIONS
# UVM_INFO COV.sv(31) @ 435: uvm_test_top.env.cov [SEQ] SEQUENCE
TRANSACTIONS
# UVM_INFO SB.sv(42) @ 435: uvm_test_top.env.sb [SB MATCHED] DATA
pkt.data0_in= 66,pkt1.data1_out= 66
# UVM_INFO SB.sv(29) @ 435: uvm_test_top.env.sb [SB] TRANSACTIONS
FROM MON1
# sb data_in= 66,add=24
# UVM_INFO SB.sv(32) @ 435: uvm_test_top.env.sb [SB] TRANSACTIONS
FROM MON2
# sb data_out= 66,add=24
# UVM_INFO MON1.sv(31) @ 445: uvm_test_top.env.agent1.mon1 [MON1]
MON1 TRANSACTIONS
# UVM_INFO MON1.sv(33) @ 445: uvm_test_top.env.agent1.mon1 [MON]

```

```

MON TRANSACTIONS
# UVM_INFO MON2.sv(32) @ 445: uvm_test_top.env.agent2.mon2 [MON2]
MON2 TRANSACTIONS
# UVM_INFO MON2.sv(35) @ 445: uvm_test_top.env.agent2.mon2 [MON]
MON TRANSACTIONS
# UVM_INFO C:/questasim64_
10.7c/verilog_src/uvm-1.1d/src/base/uvm_objection.svh(1267) @
450: reporter [TEST_DONE] 'run' phase is ready to proceed to the
'extract' phase
#
# --- UVM Report Summary ---
#
# ** Report counts by severity
# UVM_INFO :    231
# UVM_WARNING :    0
# UVM_ERROR :    0
# UVM_FATAL :    0
# ** Report counts by id
# [DRV]      20
# [DRV TRANSACTIONS]      20
# [MON]      46
# [MON1]     22
# [MON2]     21
# [RNTST]     1
# [SB]      46
# [SB MATCHED]      22
# [SEQ]      32
# [TEST_DONE]      1
# ** Note: $finish      : C:/questasim64_
10.7c/verilog_src/uvm-1.1d/src/base/uvm_root.svh(430)
#   Time: 450 ns   Iteration: 54   Instance: /dpsram_top
# 1
# Break in Task uvm_pkg/uvm_root::run_test at C:/questasim64_
10.7c/verilog_src/uvm-1.1d/src/base/uvm_root.svh line 430
coverage report -html -htmldir covhtmlreport -assert -directive -
cvg -code bcefst -threshL 50 -threshH 90
# Report created in covhtmlreport/index.html

```