

TELL1 Aggregation Switch Configuration

- Currently, the TELL1 boards are connected to sw-daq-01 (the E1200 Force 10) through two aggregation switches, sw-agg-01 and sw-agg-02.
- Note: The aggregation switches are used as **switches**, and not routers.
- For assigning IP addresses to the TELL1s, please refer to this page: <https://twiki.cern.ch/twiki/bin/view/LHCb/TELL1IPRanges>
- Configuration for both switches is identical. The VLAN-port assignment is given below

VLAN	Ports
10	A2,A3,A4,A5,A21
11	A6,A7,A8,A9,A10,A22
12	A11,A12,A13,A14,A15,A23
13	A16,A17,A18,A19,A20,A24
14	B1,B2,B3,B4,B5,B21
15	B6,B7,B8,B9,B10,B22
16	B11,B12,B13,B14,B15,B23
17	B16,B17,B18,B19,B20,B24
18	C1,C2,C3,C4,C5,C21
19	C6,C7,C8,C9,C10,C22
20	C11,C12,C13,C14,C15,C23
21	C16,C17,C18,C19,C20,C24
22	D1,D2,D3,D4,D5,D21
23	D6,D7,D8,D9,D10,D22
24	D11,D12,D13,D14,D15,D23
25	D16,D17,D18,D19,D20,D24

The basic idea is to connect ports 21, 22, 23 and 24 on each switch module to sw-daq-01, and pair them up with 5 ports with links from the TELL1s.

NOTE: VLAN 10 is the exception (in both switches), since A1 is used as the controls link to the switch.

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