Exp 4:

CSMA-CD

device → interfaces ⟶ Physical layer → Radio Type → _abstract_

MAC Layer → Generic MAC

channel Access mode → CSMA

[Apply → OK]

duplicate the device → 10 times
Cntrl + A

→ Hub
↳ properties → general
↳ MAC Pro
↳ 802.83 B·W = 10 Mbps

[Apply → OK]

Applications → CBR → create traffic

Table view ⟶ Applications ⟶ cntr A
↳ items to send = 10,000
↳ interval = 1 micro-seconds
↳ End time = 5 seconds

(Analyse statistics at current scenario)

MAC (Datalink layer)
↳ 802·3 (Retransmissions and _no._ of packets dropped)

CSMA-CA

scenario-properties → Terrain → 500 × 500
(same radio range)

device → interfaces → Physical layer → Radio Type → 802.11b Radio

MAC Layer → Generic MAC
channel Access mode → CSMA-CA
Enable - CTS → ✓
Enable - RTS → ✓   Retry limit → 5

☁ → properties

- → Physical → 802.11b
  - → MAC → Generic MAC
    - → CSMA - CA
  - → RTS/CTS — ✓
  - → Ack — ✓
  - → Retry limit — 5

CBR or mix with FTP

Table view → Applications → Group CBR properties

- → items to send = 10,000
- → item size = 512
- → start time interval = 1 second
- → End time = 5 seconds

Exp 6:

CLI: → en
→ config t

→ interface fa0/0
  → ip address 192.168.1.1   255.255.255.0   → clock rate 64000
  → no shut   no shut after clock rate

→ exit → then interface se2/0

→ ip route 192.168.3.0   255.255.255.0   192.168.2.2