

DrawBridge Demo

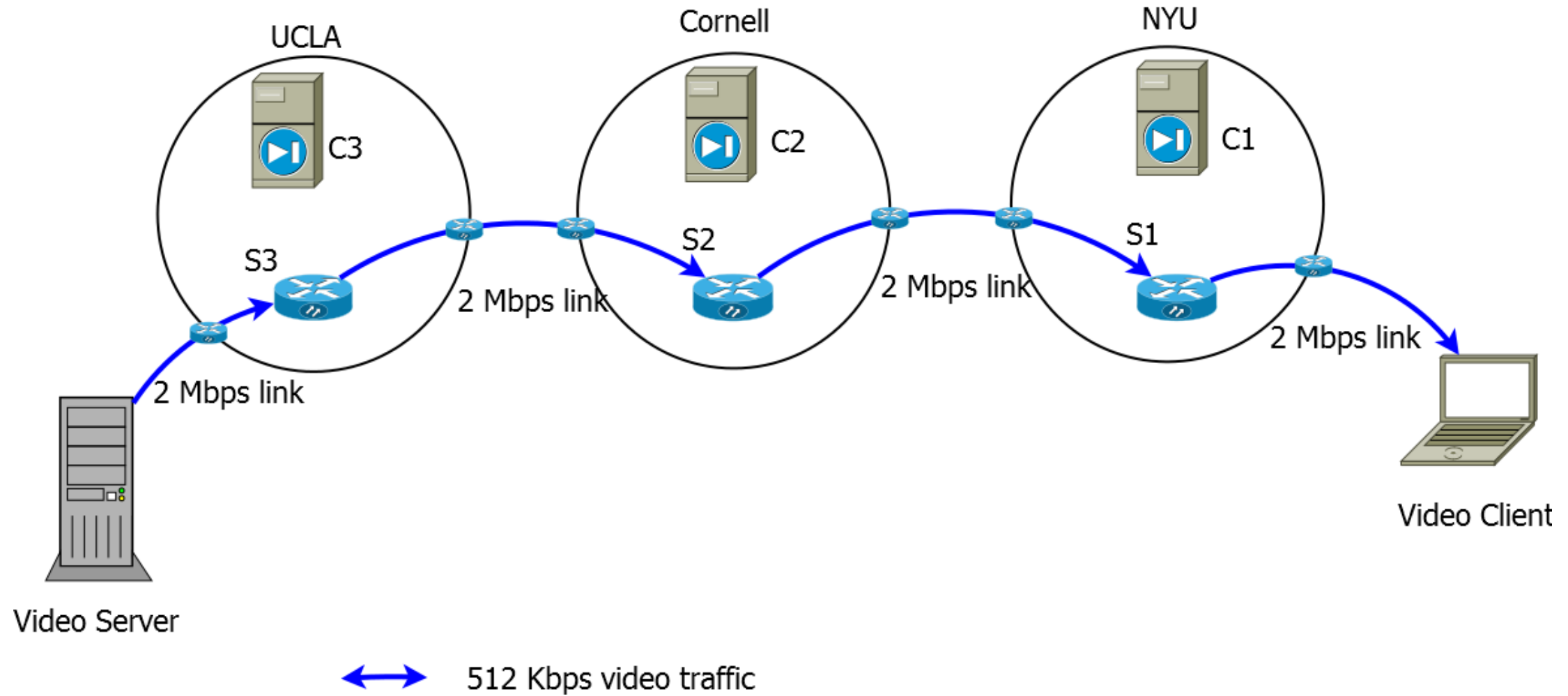
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8/1/2016

Basics

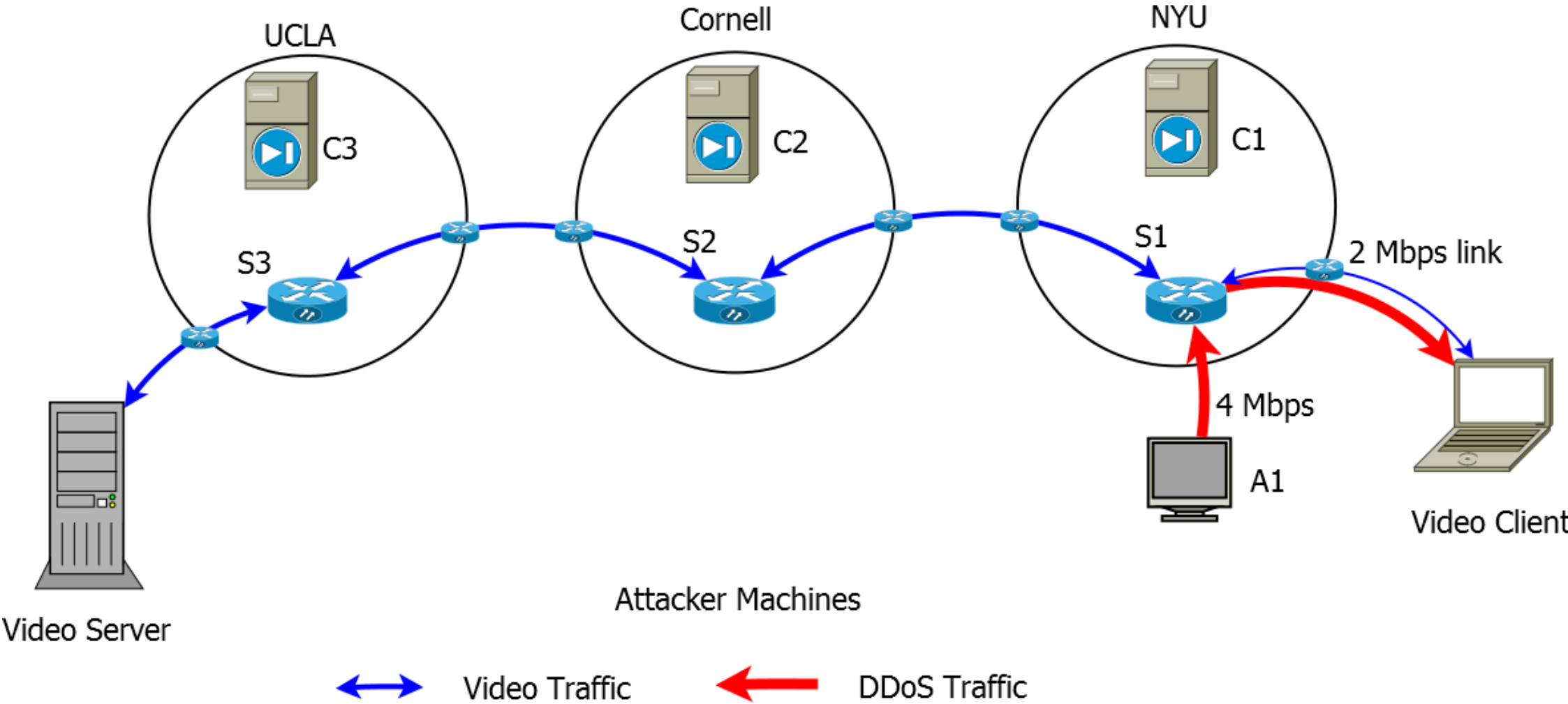
- GENI testbed
- 4 different sites (ASes)
 - Stanford
 - Cornell
 - NYU
 - Here (UCSD eduroam)
- Video streaming demo:
 - Video traffic as the desired traffic
 - Video stream client as the victim
 - Streaming at around 512 kbps from server to client
- Link saturation attacks
 - 2 Mbps inter-AS links
 - 4 Mbps large packets generated by hping3

Demo Setup

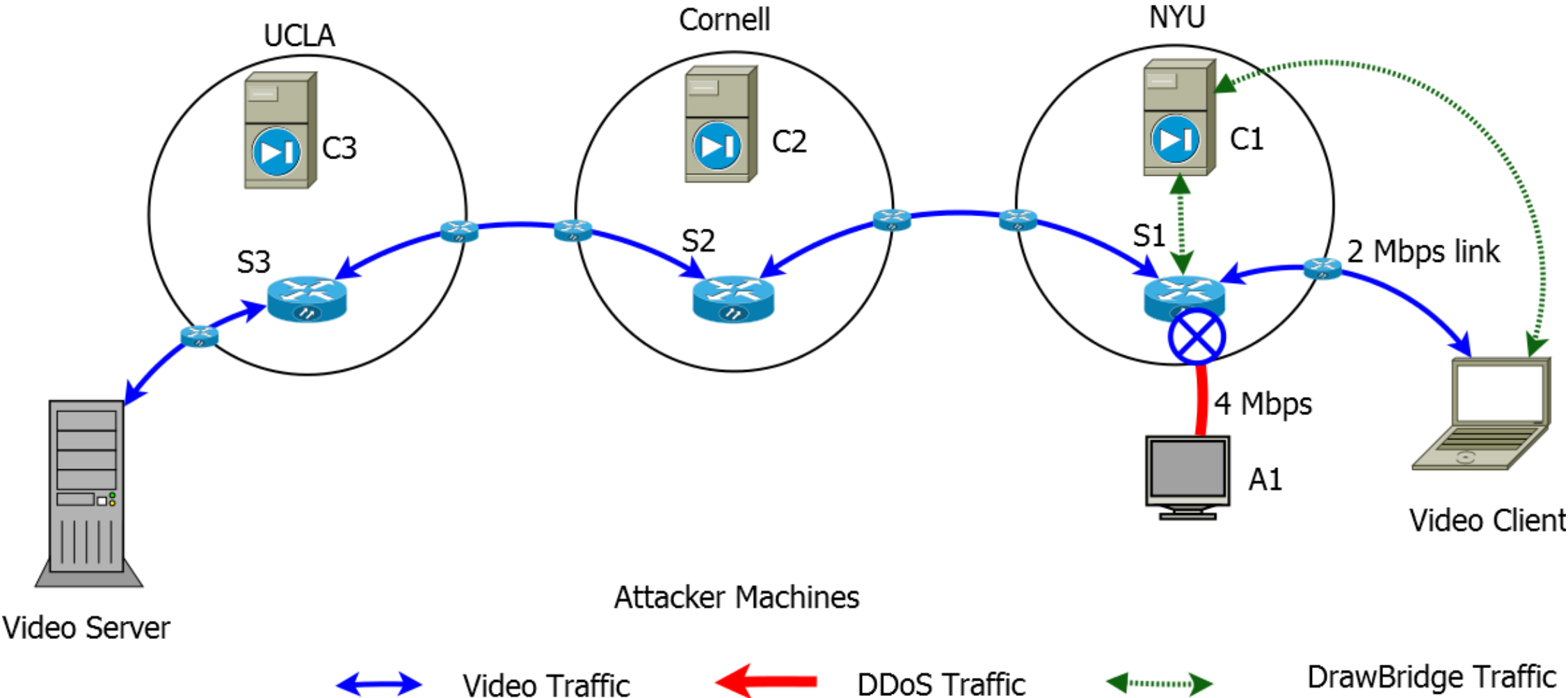


Local Attack and Defense

Local Attack

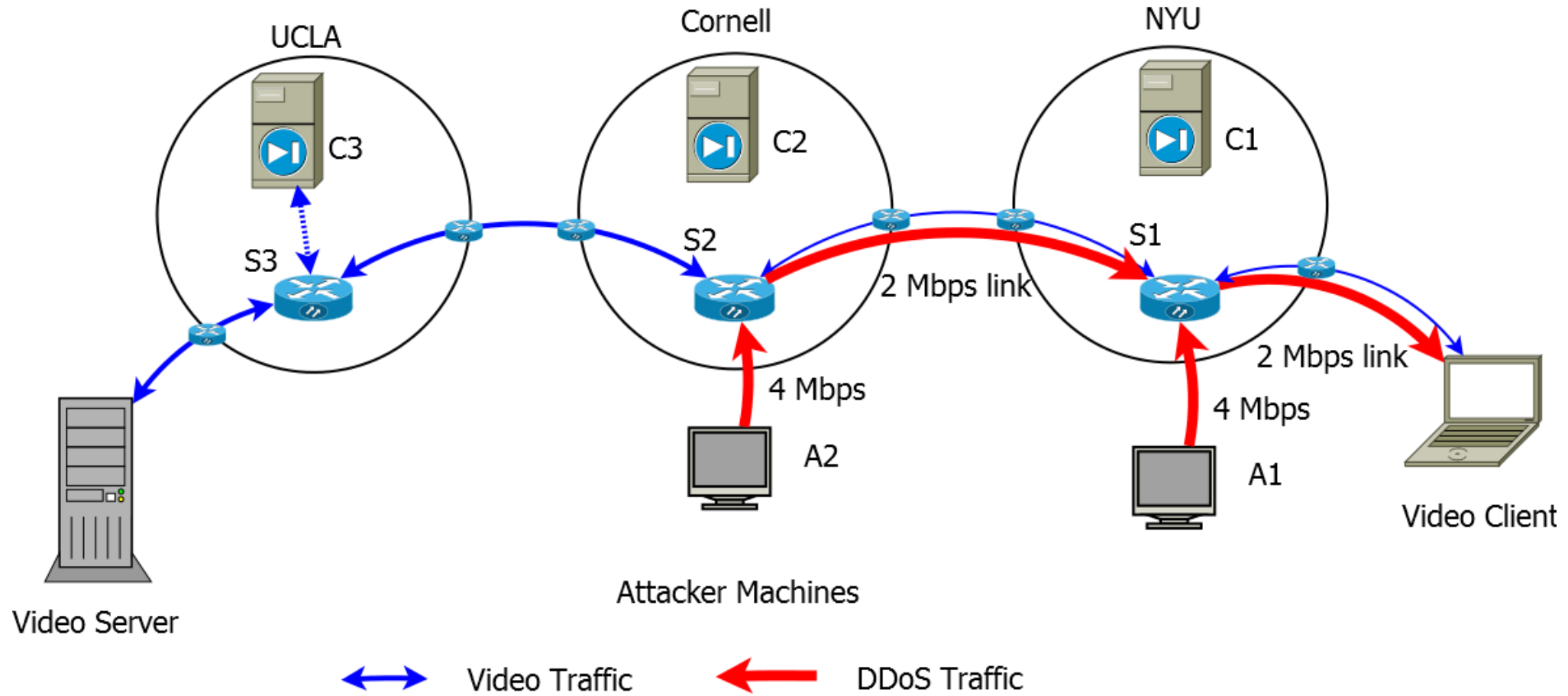


Defense Against Local Attack

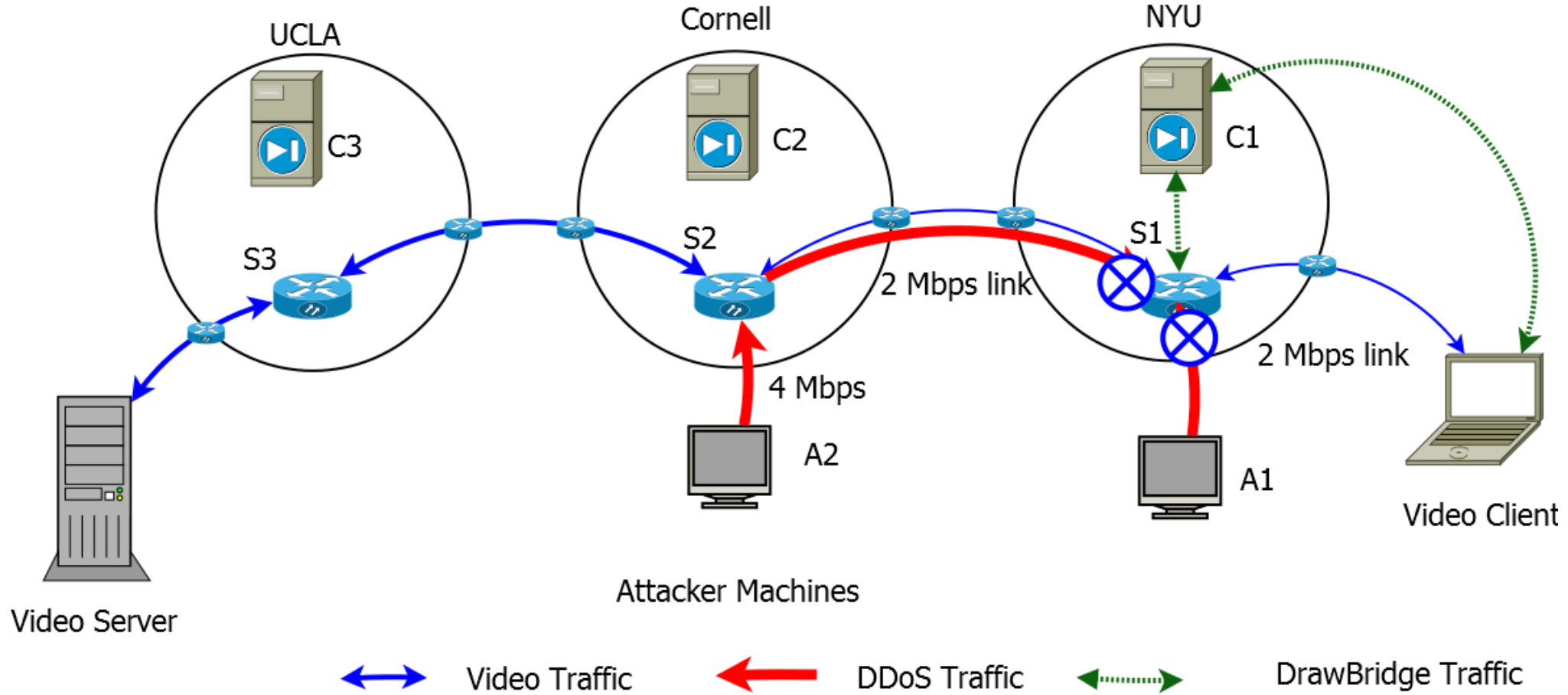


Remote Attack (1)

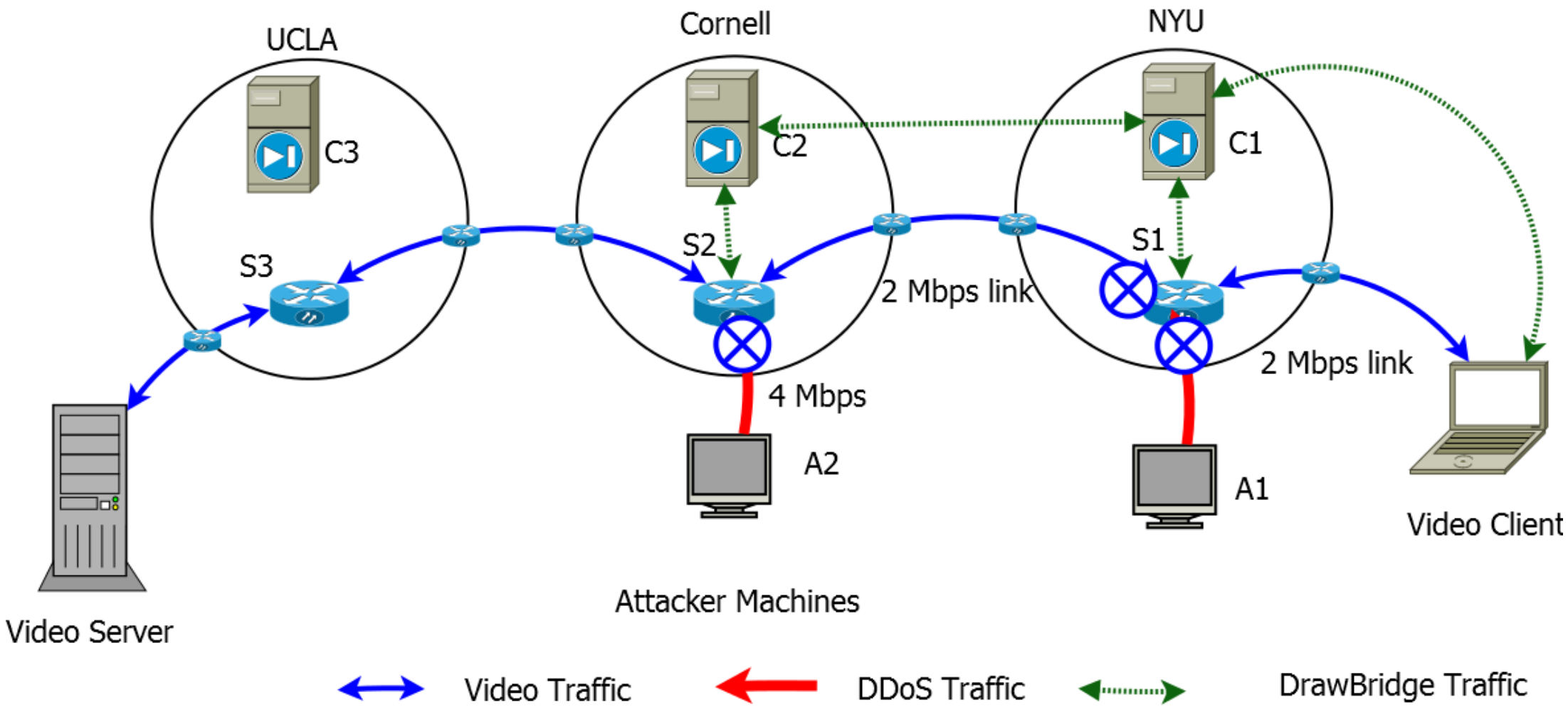
Remote Attack (1)



Defense against Remote Attacks (1)

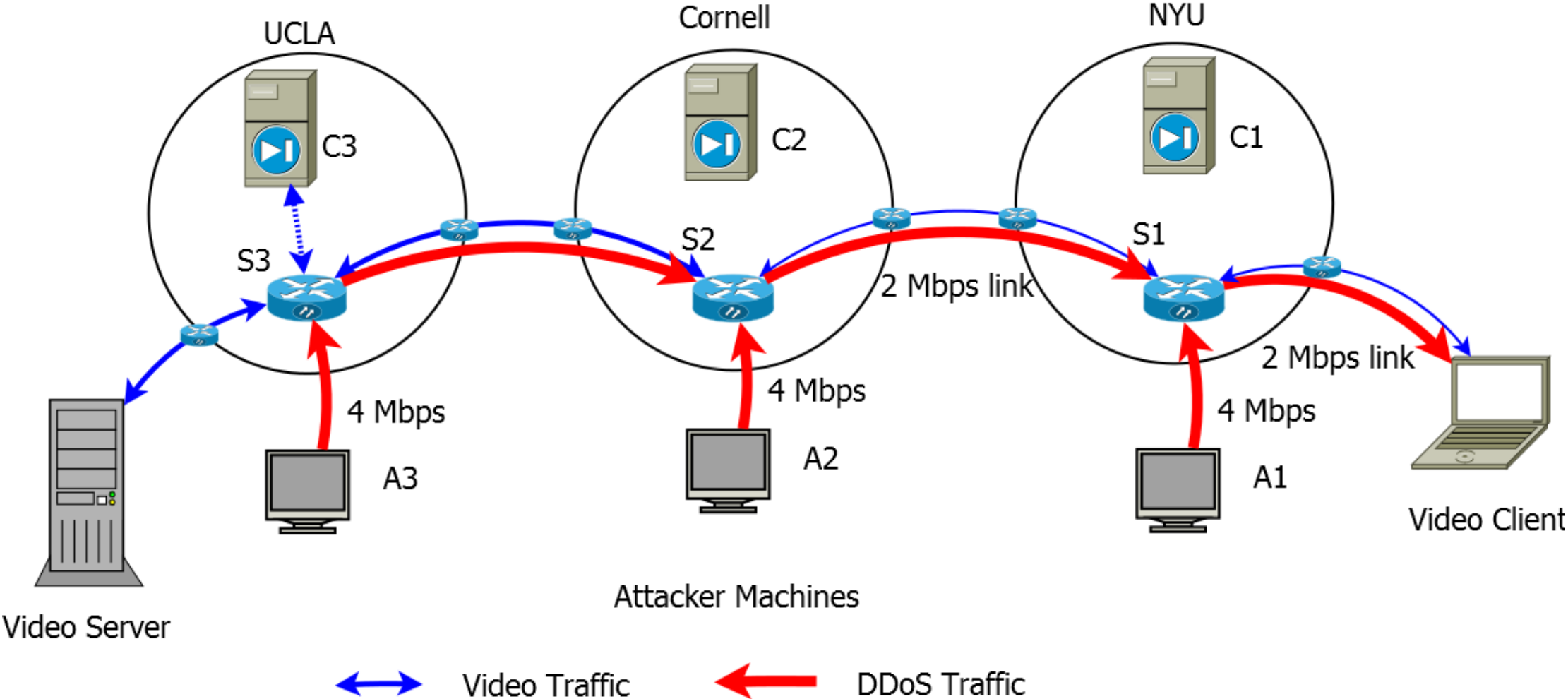


Defense against Remote Attacks (1)

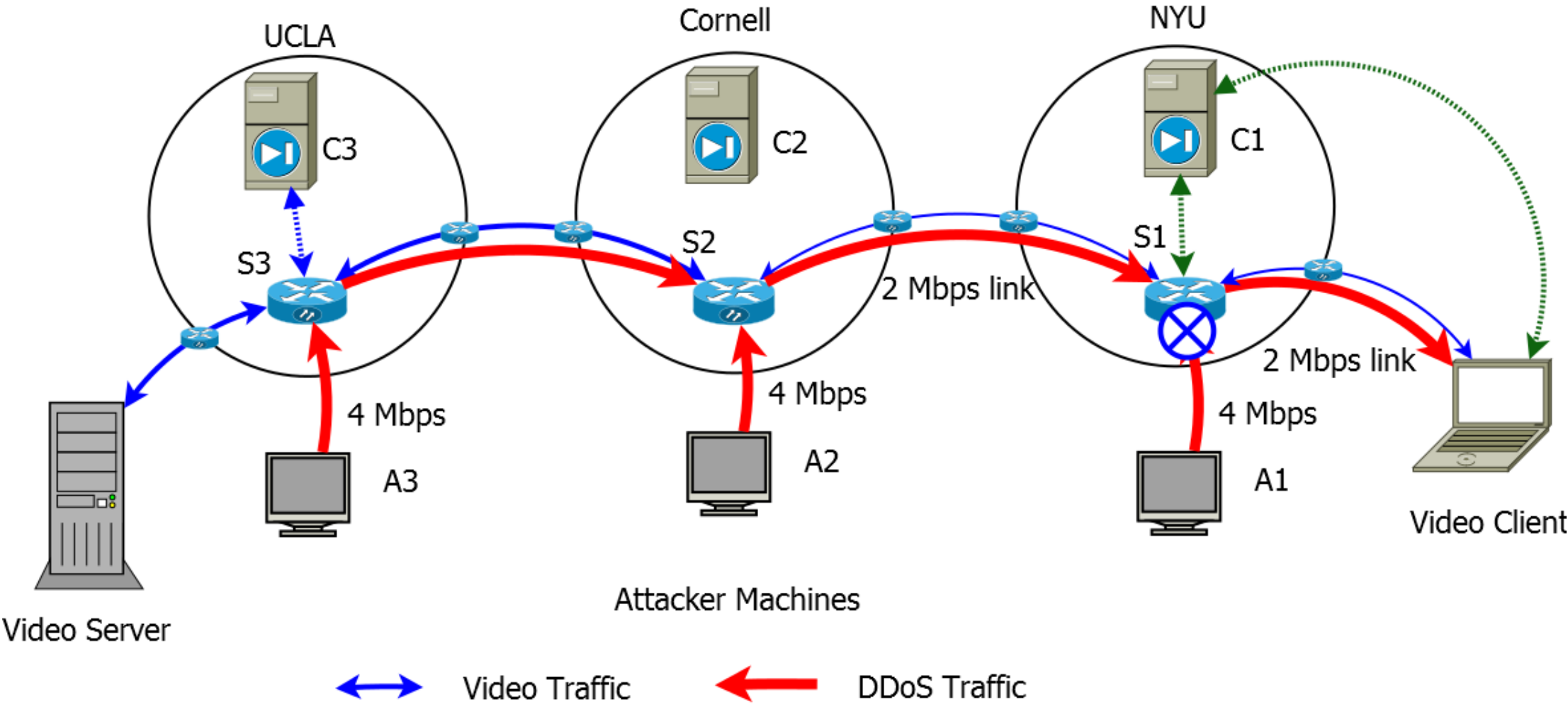


Remote Attack (2)

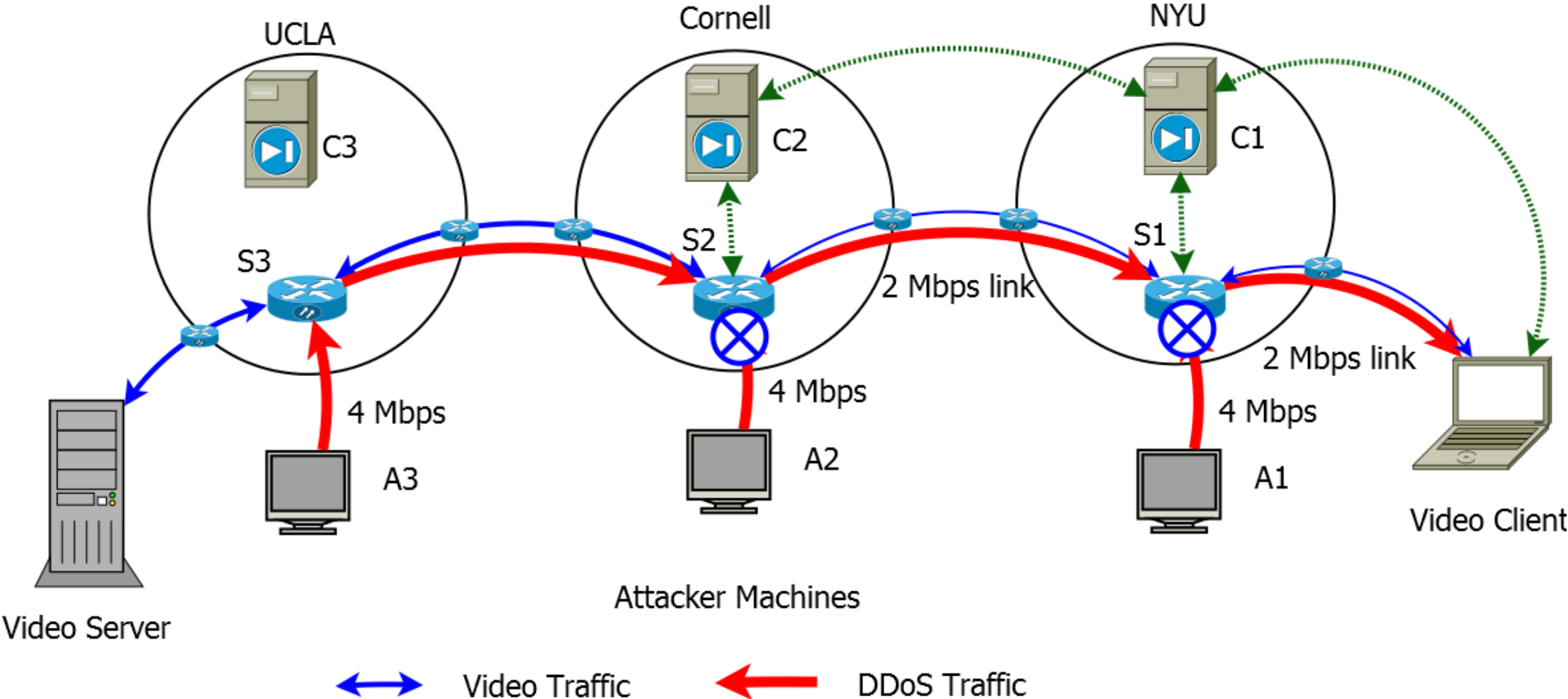
Remote Attack (2)



Defense against Remote Attacks (2)



Defense against Remote Attacks (2)



Defense against Remote Attacks (2)

