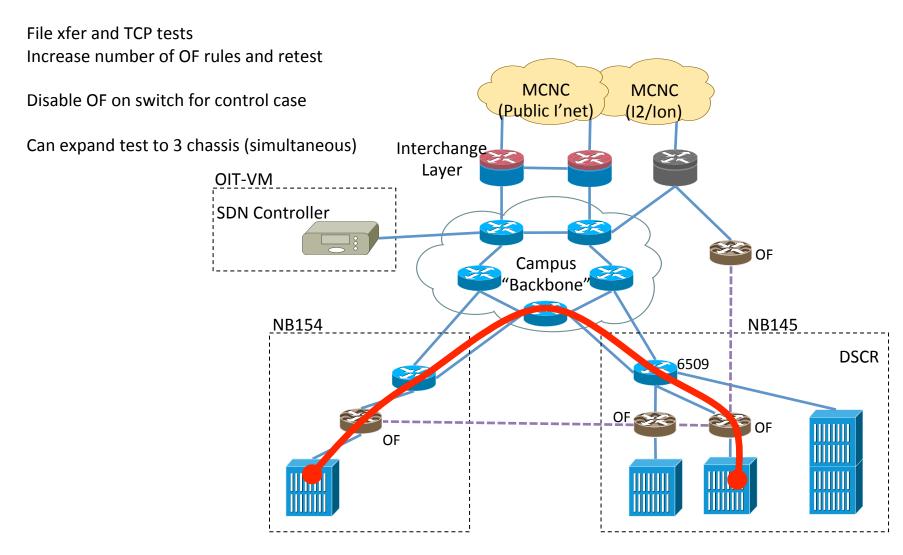
Infra-Test Mapping to Use-Cases

- Infra-Test #1: Dept-to-Dept/Campus Core
 - File Xfer, DSCR Cloud Bursting, User Bursting into DSCR
 - Control Case
- Infra-Test #2: Dept-to-Dept/Expressway Links
 - File Xfer, DSCR Cloud Bursting, User
 Bursting into DSCR, Data Expressways
 - #2B: Multiple Expressway "Hops"
- Infra-Test #3: Dept-to-External/Campus Core
 - Science DMZ

- Infra-Test #4: Dept-to-External/ Expressway Links
 - Science DMZ
- Infra-Test #5: Dept-to-Dept/Campus Core/ OF "Overload"
 - As with #1, but what if OF controller sends too many requests per sec
- Infra-Test #6: Dept-to-Dept/Expressway Links/OF "Intervention"
 - As with #2, but what if OF controller needs to see every packet

Infra-Test 1: Dept-to-Dept/Campus Core

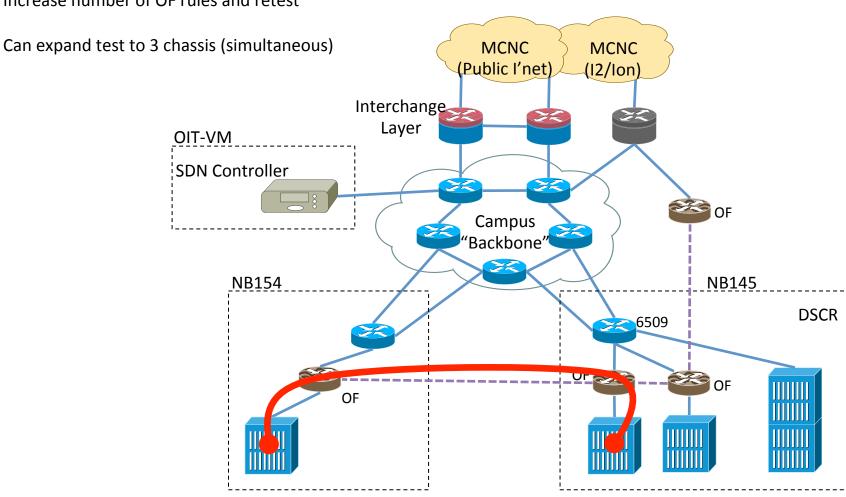
Data goes thru OF switch onto campus-core Off campus-core into next OF switch



<u>Infra-Test 2: Dept-to-Dept/Expressway Link</u>

Data goes thru OF switch directly to next OF Switch

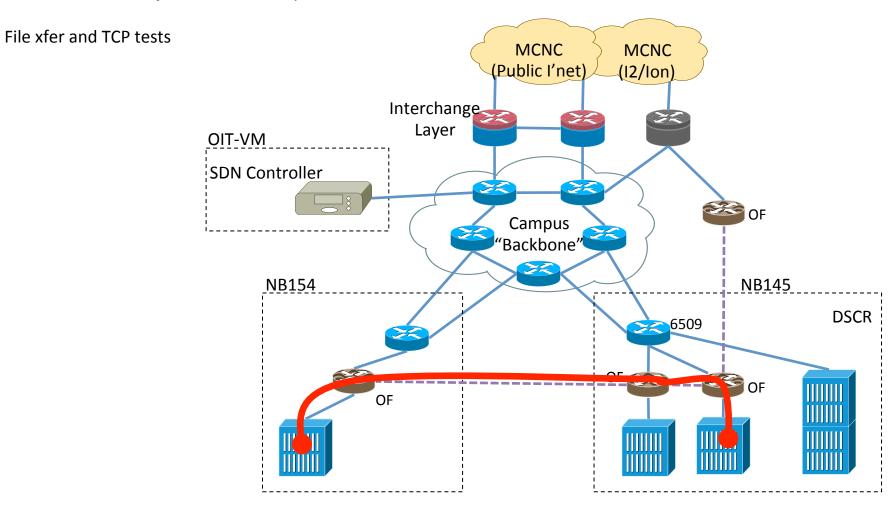
File xfer and TCP tests
Increase number of OF rules and retest



<u>Infra-Test 2b: Dept-to-Dept/Expressway Link</u>

Data goes thru OF switch through another OF Switch before arriving at destination OF switch

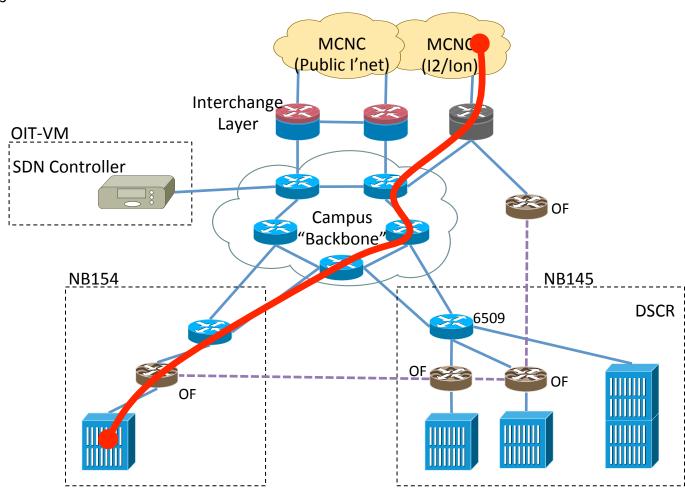
... more of a controller test, can it track network architecture, not just IP-addrs/end-points



Infra-Test 3: Dept-to-External/Campus Core

Data goes thru OF switch to campus core Through campus core to I2/Ion

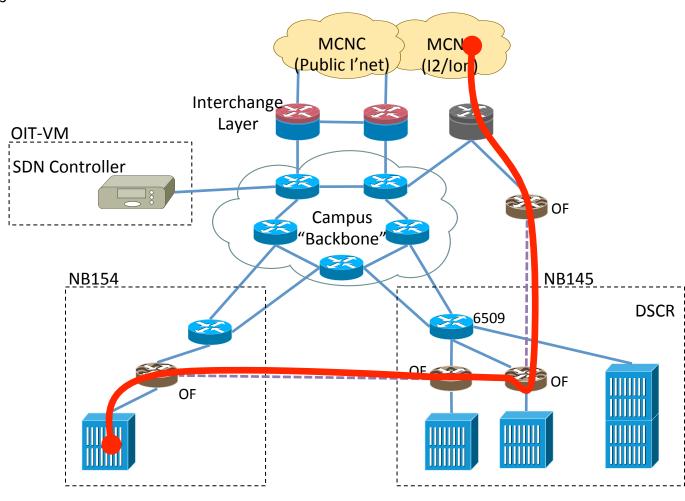
File xfer and TCP tests



Infra-Test 4: Dept-to-External/Expressway Links

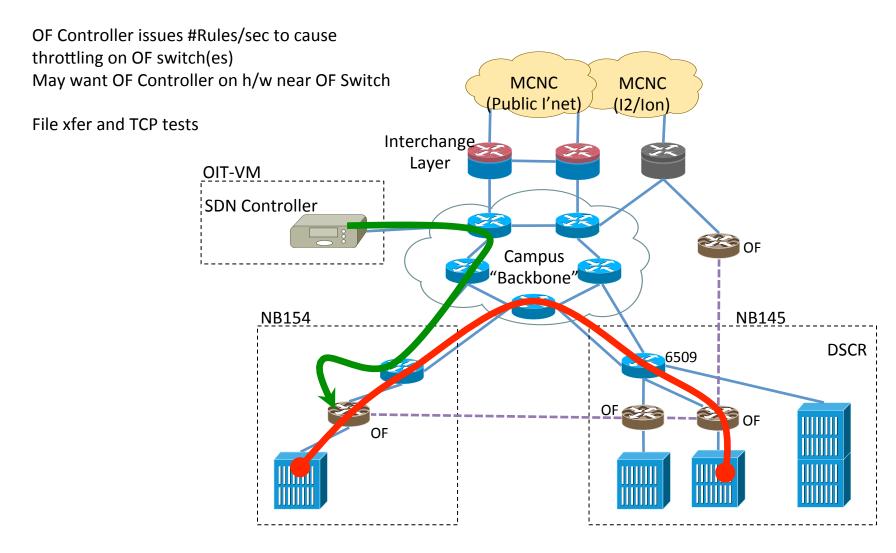
Data goes thru OF switch around campus core To OF switch to I2/Ion

File xfer and TCP tests



<u>Infra-Test 5: Dept-to-Dept/Campus Core/OF "Overload"</u>

Data goes thru OF switch onto campus-core Off campus-core into next OF switch



<u>Infra-Test 6: Dept-to-Dept/Expressway Link/OF "Intervention"</u>

Data goes thru OF switch directly to next OF Switch

