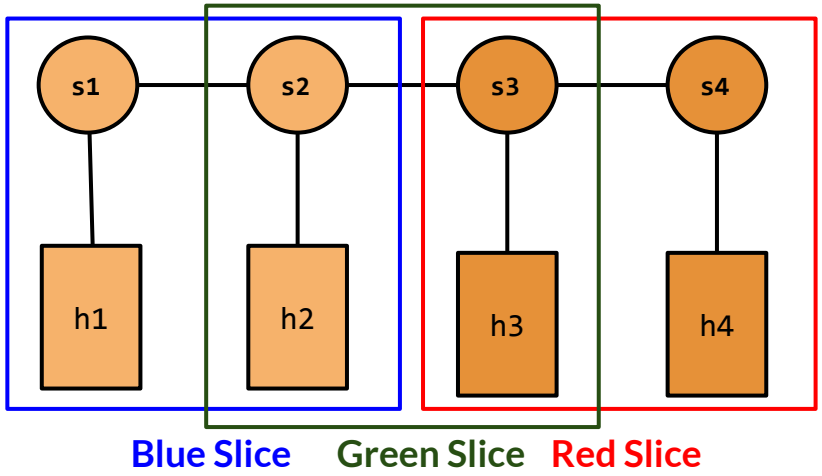
Network Softwarization: Technologies and Enablers

Lab Assignment - 3

Total points: 30

Due date: Feb 05 11:59PM

- Deploy the following topology using *Mininet*.
- Create the ***blue slice***, ***red slice***, ***and green slice*** using *FlowVisor*
  - Blue slice spans **h1, s1, s2, and h2**. It enables bi-directional communication between only h1 and h2. This slice will be controlled by a controller running on *TCP port 8000*.
  - Red slice spans **h3, s3, s4, and h4**. It enables bi-directional communication between only h3 and h4. Red slice will be controlled by a controller running on *TCP port 9000*.
  - Green slice spans **h2, s2, s3, and h3**. It enables bi-directional communication between only h2 and h3. Green slice will be controlled by a controller running on *TCP port 10000*.



What to submit?

- Put the following files inside a compressed folder named **<lastname_firstname_university.zip>** where university is one of waterloo, toronto, ets, laval.
- Files created by executing the following commands:
  - fvctl -n list-slice-info red &> red **(5)**
  - fvctl -n list-slice-info blue &> blue **(5)**
  - fvctl -n list-slice-info green &> green **(5)**
  - fvctl -n list-flowspace &> flowspace **(15)**

Resources

- An already created slice can be removed using
  - `fvctl -n remove-slice <slice-name>`
- A flowspace created under a slice can be removed using
  - `fvctl -n remove-flowspace <flowspace-name>`
- Running **`fvctl`** without any other argument will show a list and description of possible sub-commands supported by **`fvctl`**