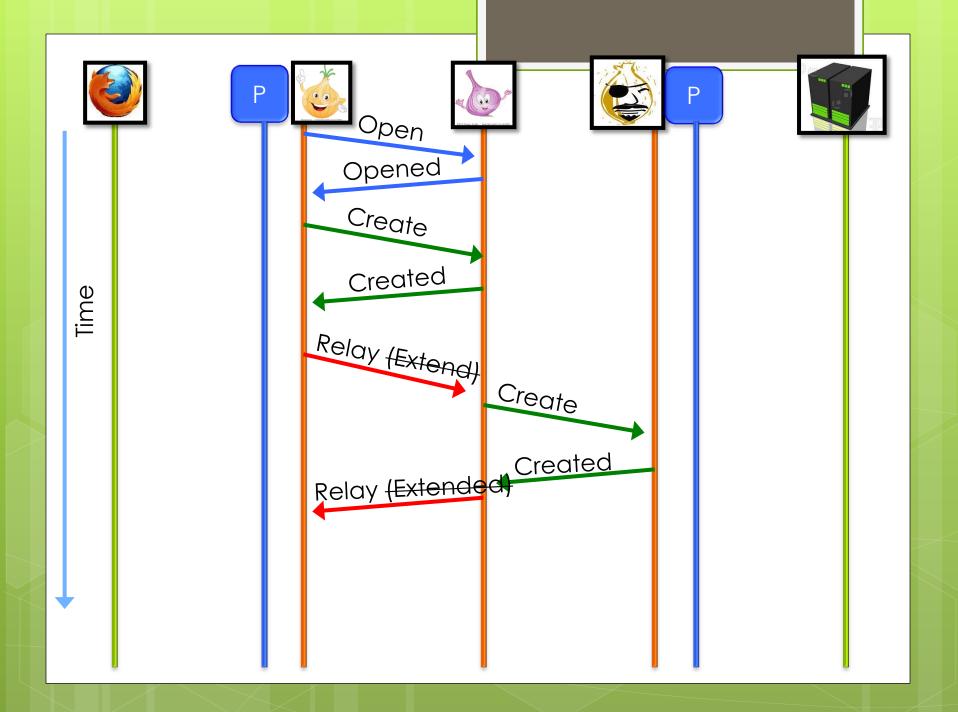
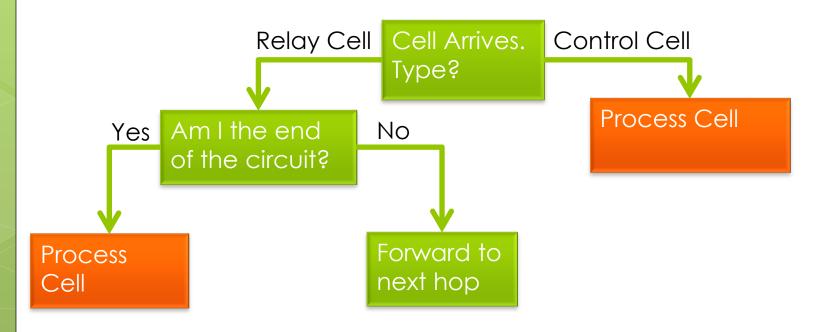


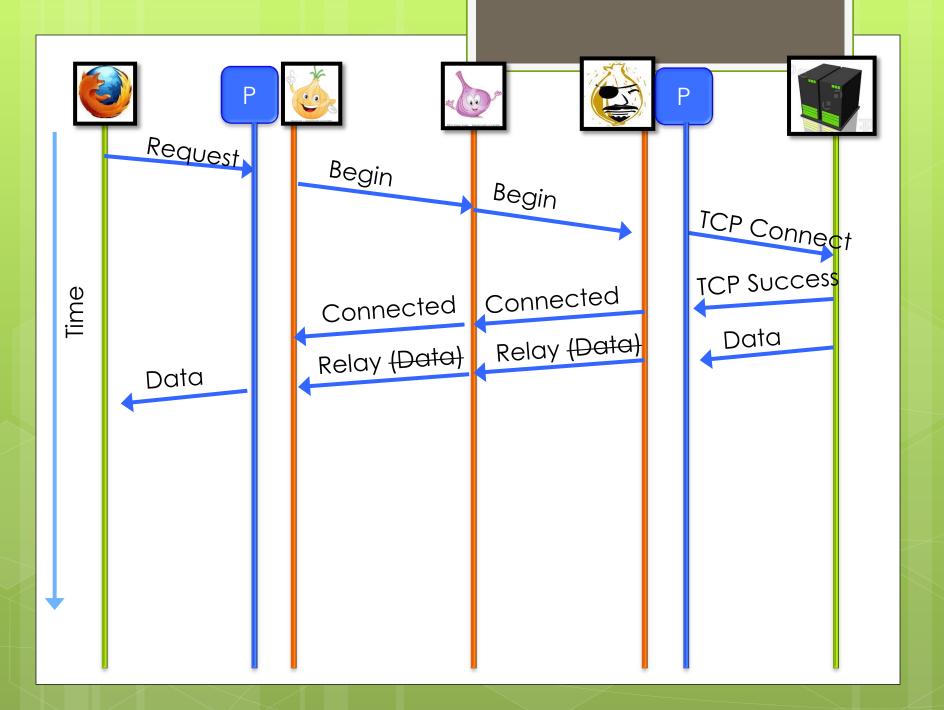
Tor61



Note on Relay Packets

• A relay does not look inside Relay cells unless it is the end of the circuit.

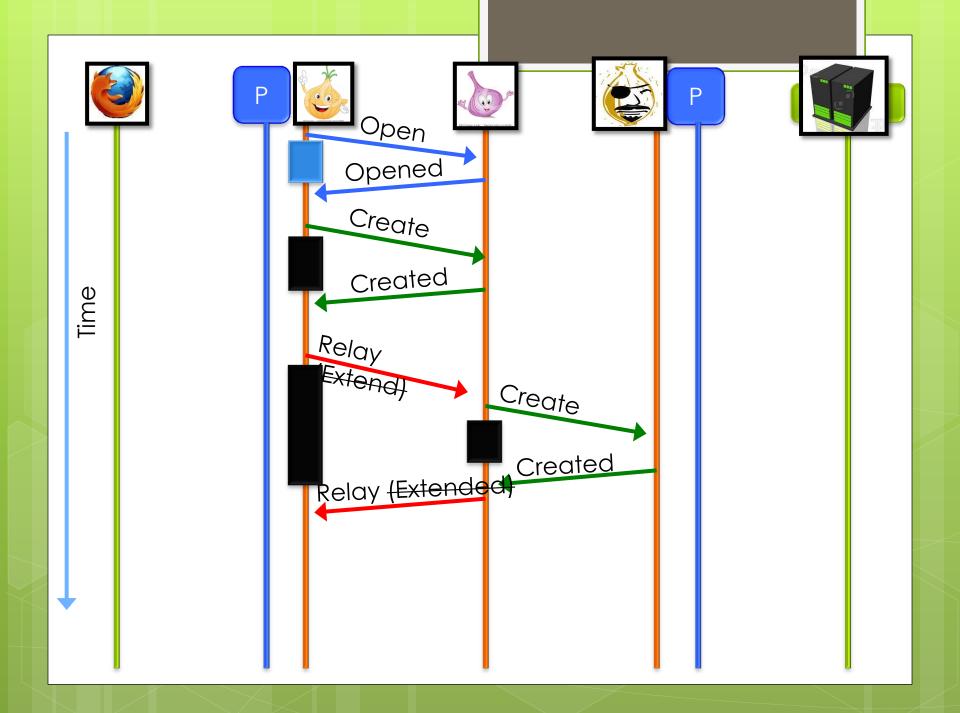




Blocking is bad



- We expect a response for:
 - o Open
 - Create
 - Relay Extend
- Can we block the TCP socket waiting for the response?
 - Yes and No



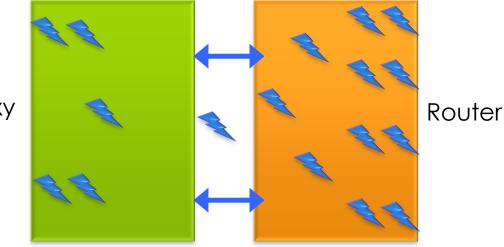
Blocking is mostly bad

Can block waiting for Opened
Cannot block waiting for Relay Extended or Created

Separate Proxy and Router

• You already made the proxy

- Make the Tor61 router functionality completely separate
 - Don't try to share threads!



Proxy

Routing Tables

How should we structure a routing table?
We're a router, what do we know?
List of our Circuit #s

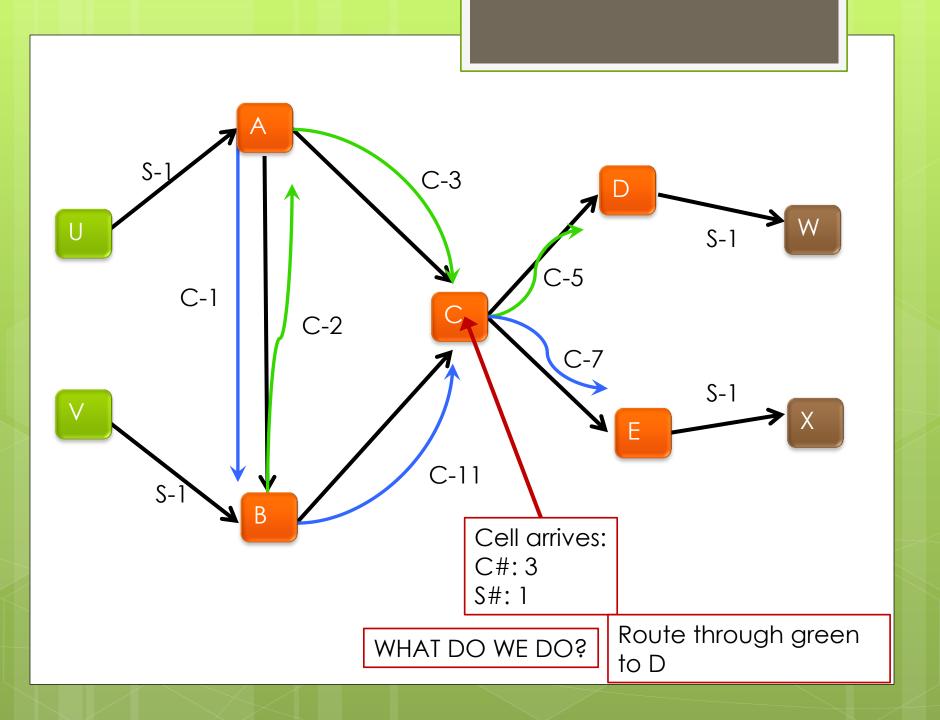
- List of our Stream #s
- List of our Tor-to-Tor TCP Sockets
- List of our HTTP-to-Proxy TCP Sockets

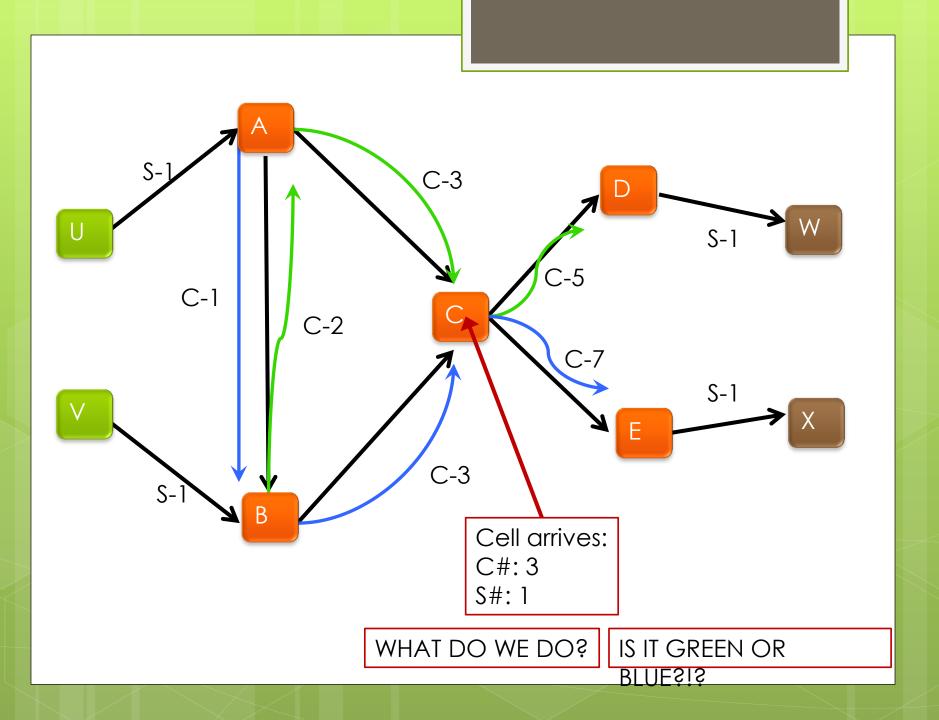


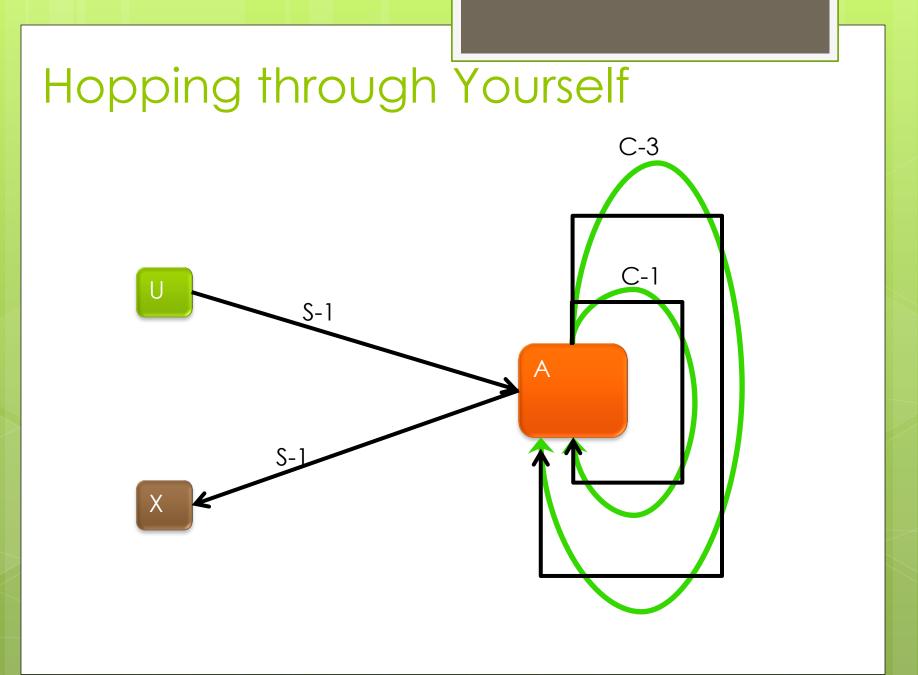
Routing Tables

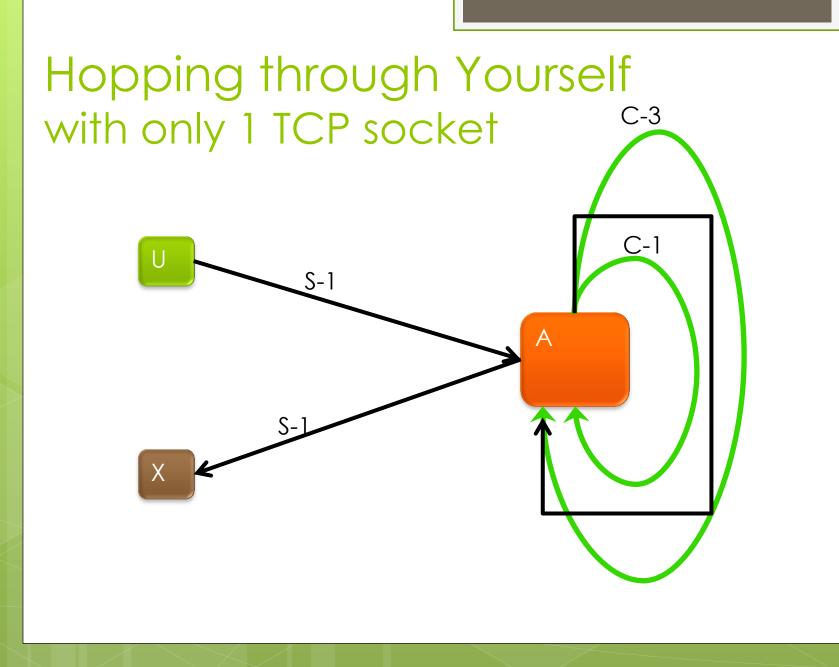
- A Relay Cell comes into a Relay TCP socket, it has:
 - Circuit #
 - Stream #

• How do we know what to do with it?









Additional Advice



- Read the project, including all the design notes
- Understand the project
- Be the project
- Threading Example Code:
 - <u>https://courses.cs.washington.edu/courses/</u> <u>cse461/14sp/threading.html</u>