

Scaling Networks: IPv6 and Dynamic Protocols

IPv6; OSPF

Agenda

- In The News: Be careful where you get your version of PuTTY!
<https://arstechnica.com/information-technology/2022/09/trojanized-versions-of-putty-utility-being-used-to-spread-backdoor/>
Official version: <https://www.chiark.greenend.org.uk/~sgtatham/putty/latest.html>
- New material:
 - Additional slides on IPv6
 - Start dynamic protocols: OSPF for routing

Assignments and Lab work

- Lab 2 post-lab due **before** your lab session this week
- Lab 3 pre-lab: due **before** your lab session this week
- Lab 3: Configuring IPv6 addressing, DHCPv6, and static routes
- Readings: ENSA Ch 1, 2 due **by** next Mon's lecture

References

- NetAcad ENSA course: Ch 1, 2 ("modules" 1, 2)

Intro to OSPFv2

We'll have a look at:

- What OSPF achieves
- How OSPF routers communicate the necessary info
- How OSPF uses the info to get the required results

You'll be getting a firehose of theory on OSPF in Ch 1, 2. Just check out the 4-5 page summaries at the end of each slide deck! But don't get stressed: there isn't all that many commands to deal with.

But don't worry, we'll be reviewing and reinforcing the material for a handful of weeks to come. For example, when we cover OSPFv3, we'll have all the same commands with the word "ip" replaced with "ipv6".