

Lecture 10a - IPv6 Introduction

Type

Lecture

Materials

Empty

Reviewed

1. IPv4 Issues
2. IPv6
3. IPv6 Address Representation
4. IPv6 Addressing

1. IPv4 Issues

- Future Problems

Population Growth:

The Internet population is growing, and users stay connected longer

Mobile Users:

Mobile phones, Mobile devices (tablets, iPads, laptops)

Transportation:

There will be more than one billion automobiles

Consumer Electronics:

Remote monitoring of home appliances
- Address Usage:

Running out of addresses

2. IPv6

- Much larger address space
- IPv6 address = 16 bytes = 128 bits

