



# Lecture-4: On IPv6 Addressing

Lecture Record: [Link](#)



# Lecture-4 Objectives

**Module Title:** IPv6 Addressing

**Module Objective:** Implement an IPv6 Addressing scheme.

Topic Title	Topic Objective
IPv4 Issues	Explain the need for IPv6 addressing.
IPv6 Address Representation	Explain how IPv6 addresses are represented.
IPv6 Address Types	Compare types of IPv6 network addresses.
GUA and LLA Static Configuration	Explain how to Configure static global unicast and link-local IPv6 network addresses.
Dynamic Addressing for IPv6 GUAs	Explain how to configure global unicast addresses dynamically.