



- With the development of the Internet and the increase of network applications, limited public IPv4 addresses have become the bottleneck of network development. To solve this problem, Network Address Translation (NAT) was introduced.
- NAT enables hosts on an internal network to access an external network. It not only helps
 alleviate IPv4 address shortage but also improves the security of the internal network as NAT
 prevents devices on the external network from directly communicating with hosts on the
 internal network that uses private addresses.
- This course describes the motivation behind NAT, and implementations and application scenarios of different types of NAT.

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