

INTRODUCTION TO IPV6 COURSE

MODULE 1: INTRODUCTION TO IPV6

- Definition of the IPv6 protocol - Part 1
- Definition of the IPv6 protocol - Part 2
- Why use IPv6 today?
- IPv6 development in the region

MODULE 2: IPV4 ADDRESS EXHAUSTION, COEXISTENCE AND TRANSITION

- IPv4 run-out predictions
- Available IPv4 space
- Available IPv6 space
- Transition mechanisms
- Dual stack
- Tunneling
- Translation
- General recommendations

MODULE 3: ADDRESSING AND IP ADDRESS PLANS

- Basic IPv6 header (IV)
- General characteristics
- Resource allocation and assignment
- Providers
- IP address plans

MODULE 4: AUTOCONFIGURATION

- Related protocols (Path MTU Discovery, NDP)
- Stateless autoconfiguration
- Stateful autoconfiguration (DHCPv6)
- Conclusions

FINAL MODULE

- Course Satisfaction Survey
- Final Evaluation