

Malta workshop agenda

4 → 6

April 4th - Enabling IPv6

9:00 AM	Welcome , workshop organization and goals <i>The 6DISS Project</i>
9.30 AM	Theory I: Introduction to IPv6 <i>History, The IPv6_protocol and Header, Addressing, Associated protocols, Auto-configuration, IPv6 support in various OS, Basic configuration commands for routers and hosts</i>
10.45 AM	Break
11.00 AM	Hands-on I: Enable IPv6 to local lab <i>Configure the local routers, set and identify IPv6 address in local PCs, capture IPv6 traffic (e.g. RA), create tunnels, inter-connect local isolated networks, set static routes.</i>
12.30 PM	Lunch
	Hands-on I: Enable IPv6 to local lab <i>... continue ...</i>
3.00 PM	Theory II: Transition to IPv6 <i>Transition mechanisms and methodology.</i>
2:25 PM	Theory III: Applications <i>Present some of the most common IPv6-enabled applications and services such as basic networking services, p2p, videoconferencing, streaming, etc</i>
4.00 PM	Break
4.15 PM	Hands-on II: DNS and WWW <i>Enable IPv6 and configure DNS (BIND9) and WWW (APACHE2) services</i>
6.00 PM	End of day 1

April 5th - Routing and security

9.00 AM	Theory IV: routing <i>Present IPv6 routing protocols and configuration best practices. Presentation of IPv6 addressing and routing of RENATER-4 backbone.</i>
9.45 AM	Case studies I: addressing and routing design for labs <i>This sessions aims at designing the addressing and addressing to be configured in the network labs.</i>
10.30 AM	Break
10.45 AM	Hands-on III: routing Configuration of routing in Paris and Brussels 6DISS labs
12.30 PM	Lunch
2.00 PM	Debriefing
2.30 PM	Hands-on III: routing <i>... continue ...</i>
4.00 PM	Break
4.15 PM	Theory V: security <i>Presentation of IPv6 security aspects, specially firewall configuration practices</i>
4.45 PM	Hands on IV: security <i>Configuration of IPv6 firewalls</i>
6.00 PM	End of day 2

April 6th - IPv6 Management

9.00 AM	Theory VI: Monitoring and network management Live Demos
10.00 AM	Hands-on V: Monitoring and network management <i>Installation of IPv6 monitoring applications among the list available on http://tools.6net.org/moin/MonitoringToolsList</i>
10.45 AM	Break
11.00 AM	Hands-on V <i>... continue ...</i>
12.30 PM	Lunch
2.00 PM	Case studies II EUMEDCONNECT partners case studies
4.00 PM	Break
4.15 PM	Case studies II EUMEDCONNECT partners case studies
6.00 PM	End of day 3