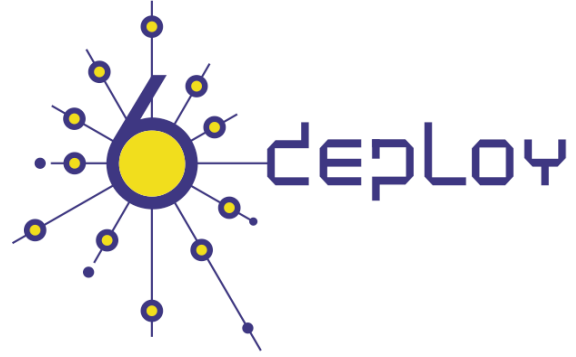




e-infrastructure



Title:	Document Version:
Deliverable D2.2.1 Dissemination Material Status	1.0

Project Number: 223794	Project Acronym: 6DEPLOY	Project Title: IPv6 Deployment Support
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Contractual Delivery Date: 31/08/2008	Actual Delivery Date: 15/12/2008	Deliverable Type* - Security**: R – PU
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* Type: P – Prototype, R – Report, D – Demonstrator, O – Other
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Responsible and Editor/Author: Martin Potts	Organization: Martel	Contributing WP: WP2
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Authors (organizations):
 Bernard Tuy (RENATER), Sarah Kenehan (Martel), Martin Potts (Martel)

Abstract:

This deliverable represents a summary of the current dissemination material available in the project, including training modules, “hands-on” exercises, e-learning, testbeds, press releases, conference presentations, news bulletins, brochures, leaflets, posters, web-based publications, etc.

Keywords:

IPv6, Support, Training, Testbeds, Modules, 6DISS, 6DEPLOY, Hands-on exercises

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Revision History

The following table describes the main changes to the document since created.

Revision	Date	Description	Author (Organization)
v0.1	03/11/2008	Document created and distributed for comments	Sarah Kenehan (Martel) Martin Potts (Martel)
V1.0	15/12/2008	Final version	

Executive Summary

One of the main activities in the 6DEPLOY project is to produce and maintain a set of dissemination material for use in workshops to train the different Internet communities in the areas of IPv6 deployment, configuration, and usage. This material is partly produced within 6DEPLOY, but also exploits previous project activities within and outside the Framework Programmes of the European Commission.

This document describes the set of dissemination material that is currently available. It will be updated after 6 months, when the basic set of documentation should be complete. Further new items after that time will be the specific Deployment Use Cases, which are produced as separate deliverables.

Table of Contents

- 1. **Introduction** 6
- 2. **6DEPLOY Training Modules** 7
 - 2.1 **Training Modules** 7
 - 2.1.1 **Description of the Training Modules** 8
- 3. **Hands on Modules** 11
- 4. **E-learning Package** 12
- 5. **Testbeds** 13
- 6. **Press Releases** 14
- 7. **Conference Presentations** 15
 - 7.1 **Conference Presentations made** 15
 - 7.2 **Conference Presentations submitted for the future** 16
- 8. **News Bulletins** 17
- 9. **Brochures** 18
- 10. **Leaflets** 20
- 11. **Posters** 22
- 12. **Web-based Publications** 25
- 13. **Conclusion** 26
- 14. **References** 27

1. INTRODUCTION

This deliverable represents a summary of the dissemination material produced by the project, including training modules, "hands-on" exercises, e-learning, testbeds, press releases, conference presentations, news bulletins, brochures, leaflets, posters, web-based publications, etc.

2. 6DEPLOY TRAINING MODULES

The IPv6 knowledge from the project has been split into the following individual training modules, so that workshops can be tailored to the specific requirements of a particular audience. All of these modules are posted on 6DEPLOY's website and can be found at: <http://www.6deploy.org/index.php?page=tutorials>.

Below is a list of the modules and the partner in charge of updating it, and then a brief description of what each module contains is given.

2.1 Training Modules

Module No.	Module Name	Module Responsible
001	6Deploy Presentation	Martel
010	IPv6 Introduction	RIPE_NCC
020	IPv6 Protocols	RENATER
030	IPv6 Addressing	Consulintel
031 + 032	Addressing case studies	NIIFI
040	IPv6 associated protocols	GRNET
060	IPv6 network management	RENATER
070	IPv6 Multicast + M6Bone	UNINETT
080	IPv6 Autoconfiguration	UCL
090	IPv6 DNS	LACNIC
100	IPv6 Routing	FCCN
101	RPSLng	FCCN
110 + 111	IPv6 Security	UCL
120	IPv6 Mobility	Cisco
130	IPv6 Coexistence with IPv4	Soton-ECS
131	IPv6 Deployment Scenarios	NIIFI
150	Equipment Configuration	Consulintel
160	IPv6 QoS	GRNET
200 (new)	Guide for Services & Applications	AfriNIC
210 (new)	"How to" Guide for Developers	UNINETT
220 (new)	IPv6 and 3G Cellular Network	GRNET
230 (new)	IPv6 and xDSL	GRNET
240 (new)	IPv6 and DSL – GSN Case Study	GRNET
250 (new)	IPv6 and Sensor Networks	UCL

2.1.1 Description of the Training Modules

- **001 - 6Deploy Presentation:** This module introduces the background and objectives of the 6DEPLOY project, the services offered the partners and the tools at its disposal.
- **010 - IPv6 Introduction:** This module explains why a new version for IP (i.e. IPv6) has been developed. A brief history of IPv6, its motivation and benefits are given.
- **020 - IPv6 Protocols:** This module describes the IPv6 protocol: IPv6 packet header, extensions headers and the differences from IPv4 headers. Packet size issues and upper layer considerations are also explained.
- **030 - IPv6 Addressing:** This module explains the IPv6 addressing architecture, the different types of addresses (unique local IPv6 addresses, interface IDs, multicast addresses), their textual representation, how these are built and related to a layer 2 address.
- **Addressing case studies:** This module describes 2 addressing case studies:
 - 031 - RENATER backbone addressing plan, and
 - 032 - NIIFI backbone and site addressing plans.
- **040 - IPv6 associated protocols:** This module describes new protocols associated to IPv6: e.g. Neighbour Discovery Protocol, SEND, ICMPv6, MLD, etc.
- **060 - IPv6 network management:** This module explains how to manage an IPv6 network. The different ways to retrieve management information are described (MIBs, IPv6 flows) and IPv6 management tools and platforms are presented.
- **070 - IPv6 Multicast + M6Bone:** After presenting some multicast concepts the following topics are covered: multicast addresses, Multicast Listener Discovery (MLD) protocol, multicast routing, PIM-ASM and PIM-SSM. Some practical issues are included.
- **080 - IPv6 Autoconfiguration:** This module describes stateful (DHCPv6) and stateless (Router Solicitation/Router Advertisement) autoconfiguration mechanisms.
- **090 - IPv6 DNS:** This module describes new Resource Records for IPv6 DNS, the availability of IPv6 in the root servers zone and CC-TLDs, etc.
- **100 - IPv6 Routing:** This module describes the differences between IPv4 and IPv6 routing protocols for (mainly) OSPFv3, EIGRP, RIPng, BGP4+, ISIS and MPLS.

- 101 - RPSLng: This module describes the Routing Policy Specification Language for IPv6. Some examples are provided for a better understanding.
- **110 - IPv6 security:** Several issues are covered such as IPsec, privacy extensions, ND threats, IPv4 vs IPv6 threat analysis, IPv6 security issues, practical IPv6 security issues and firewalling IPv6. The distributed security model is also introduced. Security issues from the point of view of transition and coexistence are also provided. (Module 110 is the longer version of this course, while 111 is an abridged version.)
- **120 - IPv6 Mobility:** This module describes IPv6 mobility and the new features compared to IPv4 mobility.
- **130 - IPv6 Coexistence with IPv4:** This module explains different approaches to deploy IPv6 in an IPv4 environment. Transition concepts are introduced and several transition mechanisms are covered: Dual Stack, tunnels, tunnel broker, 6to4, Teredo, Softwires and translation (at various layers).
 - 131 - IPv6 Deployment Scenarios: This module details different scenarios to deploy IPv6 in a campus network (case studies).
- **150 - Equipment Configuration:** This module lists some examples of IPv6 configurations for different operating systems (Windows, Linux, etc.) and routers (Cisco, Juniper).
- **160 - IPv6 QoS:** This module describes how to implement IPv6 QoS with Classes of Services (configuration examples, performance tests) and discusses the usage of the IPv6 Flow Label.
- **200 - Guide for services and applications:** This module is under construction and will describe the services and applications that are available for IPv6.
- **210 – “How-to” Guide for Developers:** This module is under construction and will explain how to migrate an IPv4 application to IPv6 (porting issues, etc.)
- **220 - IPv6 and 3G Cellular Network:** This module provides a short overview of the different kinds of cellular networks (GSM, GPRS, 3G) and the IPv6 services that can be deployed within them. Specific issues such as IPv6 address allocation using GPRS, transitioning scenarios related to Mobile Stations (MS), transitioning scenarios related to IP Multimedia Subsystem (IMS), and IPv6 MS implementation issues are presented in detail.
- **230 - IPv6 and xDSL:** This module describes how IPv6 can be deployed among the different entities that are present in xDSL environments.

Implementation details are provided for Ethernet Bridging over ATM, PPP over AALS (PPPoA), PPP over Ethernet (PPPoE), IPv6 and Radius, and IPv6 configuration in the End User terminal.

- **240 - IPv6 and DSL – GSN Case Study:** This module provides a short overview of the Greek Schools Network (GSN), www.sch.gr and details about the deployment phases of IPv6 services in the GSN. IPv6 Deployment strategies in the core network, access networks, infrastructure servers, and school PC labs, address allocation in school gateways and IPv6 experiences are presented in detail.
- **250 – Ipv6 and Sensor Networks:** This module explains the 6LoWPAN protocol and shows some examples of sensor networks.

3. HANDS ON MODULES

In addition to providing workshop participants with a theoretical basis of the IPv6 protocol, 6DEPLOY also has ready-to-use practical “hands-on” exercises. These can be used by the trainers for a specific session and targeted community as a basis for their exercises, thereby avoiding the necessity for them to reinvent everything from scratch. To date, these modules are being converted to the 6DEPLOY format and will soon be uploaded to the project website.

The list of available “hands-on” modules is described below:

- **Host configuration:** Two exercises illustrate how IPv6 works on Linux and Windows XP operating systems. Some aspects of the IPv6 protocol are analysed in depth: Neighbour Discovery, Autoconfiguration, etc.
- **Stateful autoconfiguration:** In this exercise, the trainees are requested to install a DHCPv6 client (Dibbler) and make a basic configuration.
- **Routing:** In this exercise, IPv6 routing protocols are configured by the trainees on the testbed routers. Internal Gateway Protocols (RIPng, OSPF and ISIS) and the External Gateway Protocol (BGP) are tested.
- **DNS:** In this exercise, the trainees have to manipulate IPv6 resource records (AAAA, PTR) in a DNS server. It is performed on Linux OS.
- **Services/Applications:** In this exercise, the trainees install IPv6 services such as web servers (with virtual hosts) and FTP servers. This exercise is performed on Linux OS. The other trainees check that the configured services are available from their machine using IPv6 web/ftp clients (on Linux or Windows).
- **Management:** After having tested the services, the trainees are requested to install a management application (Argus) to supervise the routers, PCs and configured IPv6 services (web, ftp, etc.).
- **Security:** In this exercise, the trainees are required to add filters on the routers (ACL) and on the PCs (ip6tables) to allow/deny some PCs/services.

4. E-LEARNING PACKAGE

The e-learning package developed within the 6DISS project remains available at <http://6diss.6deploy.org/e-learning/>. It can be either followed on-line or downloaded. Discussions are taking place with the developers (Instrux!on) regarding converting it to the 6DEPLOY style (including replacing “6DISS” by “6DEPLOY” in the text and “voice-overs”) and the cost of making versions in different languages (as opposed to simply having the current subtitle capability).

6DISS IPv6 e-learning

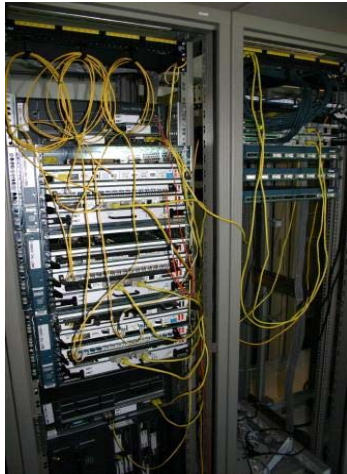
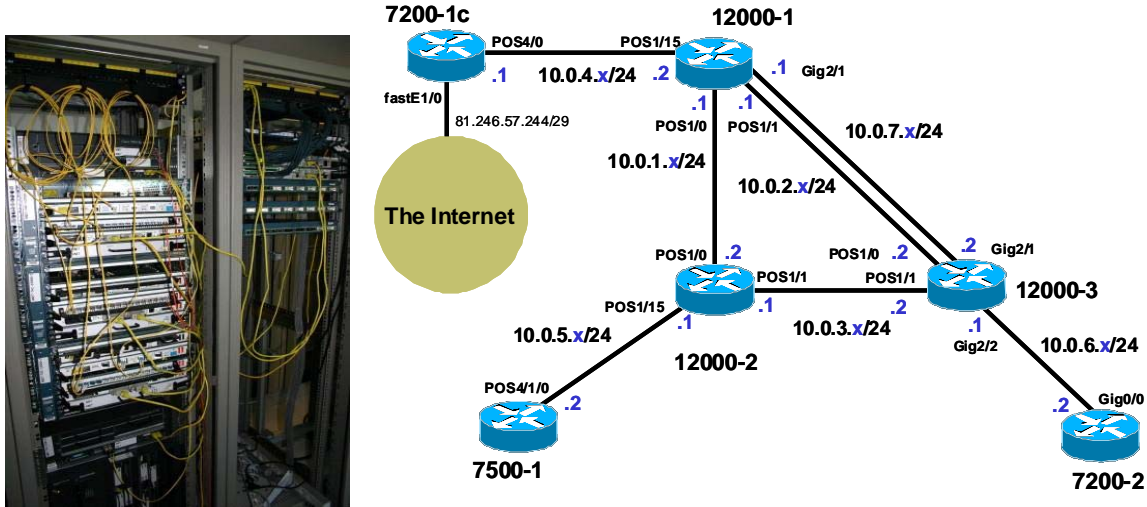
- Introduction to the e-learning package
- Introduction to IPv6
- IPv6 Addressing
- The IPv6 Header
- IPv6 Basic Services
- Security in IPv6
- IPv6 Routing, Mobility and Management
- Co-existence with IPv4

- E-learning package
- Workshops
- Training the Trainers
- IPv6 Training Courses
- Tiger Team

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5. TESTBEDS

Three supported 6DEPLOY testbeds are installed in Paris, Sofia and Mauritius. These can be configured remotely for exercises such as addressing and routing. These may be reserved both during the 6DEPLOY training workshops and also outside of these times (according to availability). The composition of each testbed is similar – the one in Sofia is shown below:



6. PRESS RELEASES

The following Press Release was produced at the start of the project:

6DEPLOY team to become the centre of European expertise regarding IPv6 deployment

The 6DEPLOY project within the European Commission's 7th Framework Programme for Research and Technological Development started on 1st May 2008 and has a duration of 30 months.

The purpose of 6DEPLOY is to support the deployment of IPv6 in (i) e-Infrastructure environments, thereby improving the use of existing research infrastructures for all fields of science and technology, (ii) other projects in the 7th Framework Programme, (iii) developing countries (Africa, Latin America, Asia and Eastern Europe), and (iv) commercial environments, especially in Europe.

6DEPLOY exploits the expertise and high quality training material collected from previous European projects, including presentations, a professional e-learning course and 2 testbeds that can be accessed remotely. Whilst offering tailor-made training to organisations throughout the world, it also plans to multiply its training effectiveness through courses which educate other trainers about the basics of IPv6, so that they can teach others ("training trainers"). Partners are also willing to give support for real IPv6 deployments.

The **outreach to European industries and researchers** and **giving practical support for deployments** are the 2 key new services offered by 6DEPLOY. Developing regions (in Europe and abroad) are often the *early adopters* of IPv6, given that they have less legacy IPv4 networks installed. Case Studies will be published about real deployments and used to help deployers working in similar areas. **The 6DEPLOY team will become the centre of European expertise regarding IPv6 deployment.**

This expertise will also be used to support more-commercial deployments in Europe, in industry branches such as Emergency Services, Health, Broadcast, Transport, Schools, Environment, Gaming, etc. These sectors will be reached through contacts with other EC projects, the IPv6 Forum and National IPv6 Task Forces.

The 6DEPLOY Consortium comprises six European National Research and Education Networks (RENATER (France), GRnet (Greece), NIIFI (Hungary), UNINETT (Norway), FCCN (Portugal) and BREN (Bulgaria)), Cisco, the University College London and Southampton University (both in the UK), 2 SMEs (Consulintel and Martel) and the Regional Internet Registries AfriNIC (Africa) and LACNIC (Latin America). Consulintel is an active player in dissemination and training in all the topics and regions covered by 6DEPLOY, and Martel has much experience of project co-ordination. The other three Regional Internet Registries in the world (RIPE-NCC, in Europe, ARIN in North America, and APNIC in the Asia-Pacific Region) are associated with the project.

Further information is available from the 6DEPLOY website at www.6deploy.org

7. CONFERENCE PRESENTATIONS

7.1 Conference Presentations made

The table below lists the conferences presentations given by the partners between March and October 2008.

Publications; Journal papers and Conference papers	Journal/Conference	Author(s) /Company	Date	Volume/Page (if a journal paper)
IPv6 – The New Generation Internet Protocol Sofia, Bulgaria	BREN IPv6 lab launch	K. Simonski, S. Kostov / BREN	12 th March, 2008	
Planning for the IPv6 Integration	BREN IPv6 lab launch	P. Grossetete / Cisco	12 th March, 2008	
RENATER Testbed	BREN IPv6 lab launch	F. Simon / RENATER	12 th March, 2008	
GRNET IPv6 Activities in South East Europe	BREN IPv6 lab launch	T. Chiotis / GRNET	12 th March, 2008	
6DISS and 6DEPLOY	BREN IPv6 lab launch	M. Potts / Martel	12 th March, 2008	
6DEPLOY: IPv6 Deployment Support	IST-Africa, Namibia	M. Potts / Martel	7 th - 9 th May, 2008	
Presentation: "Security Impact of Business and Residential Broadband Traffic on IPv6 ISP Backbones"	MYNIC Seminar – Internet and DNS Security, Kuala Lumpur (Malaysia)	J. Palet / Consulintel	21 st May, 2008	
6DEPLOY: IPv6 Deployment Support	IPv6 Launch Day	M. Potts / Martel	30 th May, 2008	
Presentation on IPv6 (for slides, see: http://www.uknof.org.uk/uknof10/)	UK Network Operators' Forum (UKNOF) at Wolverhampton	T. Chown / Soton-ECS	May 21 st , 2008	
Presentation of IPv6 (for program and slides, see: http://www.ja.net/services/events/2008/ipv6/program.html)	JANET IPv6 Briefing Event, Coventry	T. Chown / Soton-ECS	June 11 th , 2008	
Presentation of I-D based on operation feedback on issues with use of IPv6 router advertisements in enterprise deployments	v6Ops WG at IETF72	T. Chown / Soton-ECS and S. Venaas / UNINETT	July 27 th - August 1 st , 2008	
Project Presentation	ITU IPv6 workshop, Geneva, Switzerland	M. Potts / Martel	September 4 th -5 th ,	

			2008	
IPv6 Tutorial	13 th International Telecommunications Network Strategy and Planning Symposium, Budapest, Hungary	J. Mohacsi / NIIFI	September 28 th – October 2 nd , 2008	

7.2 Conference Presentations submitted for the future

The table below lists the future conferences presentations that have been submitted by the partners.

Publications; Journal papers and Conference papers	Journal/Conference	Author(s) /Company	Date	Volume/Page (if a journal paper)
Prepared and submitted a paper on IPv6 security for the	2008 Mundo Internet Spanish National Event http://www.mundointernet.es/	Consulintel	May 2008	

8. NEWS BULLETINS

A list of news bulletins is issued weekly by Consulintel to a wide mailing list. The IPv6 Portal, containing IPv6 news, an IPv6 guide and an IPv6 newsletter, is linked from the 6DEPLOY Website.

9. BROCHURES

A project description was made and summarized in Deliverable D0.1.



Summary: The purpose of the 6DEPLOY project is to support the deployment of IPv6 in (i) e-Infrastructure environments, (ii) FP7 projects, (iii) developing countries (Africa, Latin America, Asia and Eastern Europe), and (iv) industrial environments in Europe. Partners offer basic training to organisations in Europe and developing countries, and support real IPv6 deployments. Case studies of installations will be used to gain valuable practical experience which will help the **6DEPLOY team to become the centre of European expertise regarding IPv6 deployment.**

This expertise will be used to support deployments in Europe, in industry branches such as Emergency Services, Health, Broadcast, Transport, (Primary & Secondary) Education, Environment, Gaming, etc.

Objectives: IPv6 will become an integral part of improved multi-disciplinary e-Infrastructures during the timeframe of FP7. Continuing the 6DISS successes, 6DEPLOY aims to encourage the coordination between National and pan-European e-Infrastructure initiatives, by offering its services of IPv6 training and supporting IPv6 deployment.

6DEPLOY will organize workshops on the benefits of IPv6 for e-Infrastructures, and will give practical advice and hands-on support for deploying it in their environments. Several developed regions of the world (e.g. Korea, Japan) have already deployed IPv6 e-Infrastructures more densely than in Europe, and developing regions already recognise the benefit in terms of the availability of addresses, which are no longer available for them with IPv4. Therefore, a majority of the world with which European researchers want to communicate will be based on - or moving to - IPv6 e-Infrastructures. For synergy and efficient international interoperation, more IPv6 deployment in Europe is necessary. 6DEPLOY will work in parallel on deployments in Europe and in developing countries; exchanging experiences and best practices.

Action plan: The *outreach to European industries and researchers* and *giving support for deployments* are the 2 key new services offered by 6DEPLOY. Developing regions (in Europe and abroad) are often the early adopters of IPv6, given that they have less legacy IPv4 networks installed. These test cases will be used to gain valuable practical experience which will be brought back to support deployments within EC e-Infrastructure projects and industrial environments.

We reassert our support for open, bottom-up and consensus-based decision making, but we also call upon the leading senior and expert members of this community to provide strong leadership in the support of a global transition to IPv6.



Project acronym:

6DEPLOY

Contract n°: 223794

Project type: SA

Start date:

March 1st 2008

Duration: 30 months

Total budget:

€1,284,776

Funding from the EC:

€1,000,000

Total funded effort in

person-month:

123

Web site:

www.6deploy.org

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Martel	CH
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Renater	F
GRNET	GR
FCCN	P
NIIFI	HU
Consulintel	ES
UCL	UK
Soton-ECS	UK
UNINETT	N
AfriNIC	MU
LACNIC	UY
BREN	BG

Keywords:

IPv6, deployment, e-infrastructures, training

Collaboration with other EC funded projects:

6CHOICE, Global, GEANT

Support activities: These include the collection and maintenance of material for the training sessions, and the tailoring of programmes in conjunction with the requesting organisation. “Hands-on” IPv6 training courses will be offered to FP7 projects, developing regions (focusing more on *training trainers*, so that the effect of the courses can be multiplied) and European industries. A professional and popular e-learning course is available which will be supplemented with additional topics related to IPv6 and improved with sub-titles in other languages. A further support activity is the practical on-site assistance for making IPv6 deployments in FP7 projects, the targeted regions (Africa, Latin America, Asia and Eastern Europe) and European industries.



Partners will also give assistance for the development of a strategic plan (“roadmap”) for the deployment and will advise on practical aspects such as equipment ordering specifications, routing plans, etc. An IPv6 Deployment Guide will be maintained, and supplemented with examples of case studies. A less-technical “How to Deploy” guide will also be produced for administrators.

User communities: e-Infrastructures are important for developing new research environments, building upon the ICT capabilities of existing and evolving infrastructures. Since these infrastructures are currently being made IPv6 capable, there is a huge potential benefit to be achieved if users share their deployment experiences. Since the Internet has become the fundamental resource for modern communications, “users” in this respect may be network operators and administrators from both the research community and commercial companies. Sharing the information between such user communities requires the emergence of “communities of practice” comprising commercial users, scientific users and computing and communication technologists. e-Infrastructures foster the emergence of new working methods, based on the shared use of resources across different disciplines and technology domains.

As an e-Infrastructure project, 6DEPLOY supports the further development and evolution of high-capacity and high-performance communication (GÉANT) and grid empowered infrastructures, including the reinforcement of world class distributed supercomputing facilities, data storage and advanced visualisation facilities. This activity aims at fostering the adoption of e-Infrastructures by user communities where appropriate, enhancing their global relevance and increasing the level of trust and confidence from their users.

International aspects: 6DEPLOY includes AfriNIC and LACNIC as partners and has close links to RIPE NCC, APNIC and ARIN. Through these Internet address registries, it will keep aware of IPv6 deployment activities and opportunities worldwide. The developing countries of Africa, Latin America, the Asia-Pacific region and Eastern Europe will likely be some of the first to commit to large-scale IPv6 deployment, and may lead their counterparts in the rest of the world. They will therefore provide excellent Case Studies for the project, which can be fed into industrial environments, in order to ensure success.

10. LEAFLETS

The following leaflet was prepared for ICT2008 in Lyon.



6DEPLOY IPv6 deployment and support

6DEPLOY objectives

The purpose of the 6DEPLOY project is to support the deployment of IPv6 in

- Research networks
- FP7 projects
- Developing countries in Africa, Latin America, Asia, and Eastern Europe
- Industrial environments in Europe



6DEPLOY IPv6 deployment and support

6DEPLOY Services

- Workshops for direct training and for "training other trainers"



- Helpdesk service run by experienced persons
helpdesk@6deploy.eu
- Website with links to 6DEPLOY documents, training material, and external sources such as technical deployment guidelines and information for strategists
www.6deploy.eu



6DEPLOY IPv6 deployment and support

6DEPLOY Training Material

- A professional e-learning course that may be used on-line or downloaded (for free) from the Website
- Presentation material on more than 20 topics associated with IPv6
- Practical configuration exercises
- Remote testbeds in Paris, Sofia, and Mauritius (for use in- and out- side the workshops)
- Technical deployment guidelines



6DEPLOY testbed in Paris (France)

6DEPLOY testbed in Mauritius

Partners of the project:

SMEs:



Industry:



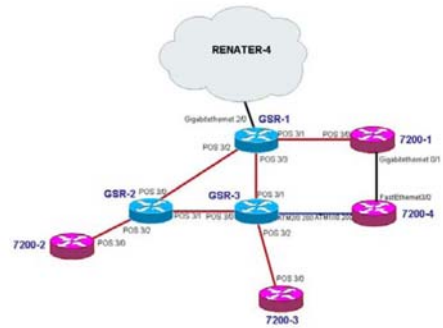
NRENs:



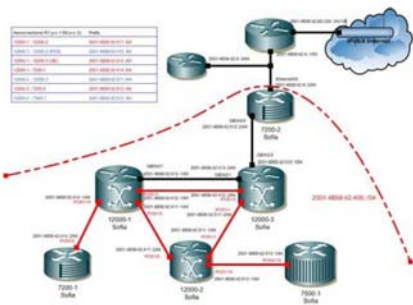
Universities:



RIRs:



6DEPLOY testbed in Sofia (Bulgaria)



11. POSTERS

Three posters were made for ICT2008 in Lyon.



6DEPLOY
IPv6 deployment and support

6DEPLOY Services

- Workshops for direct training and for “training other trainers”
- Helpdesk service run by experienced persons
helpdesk@6deploy.eu
- Website with links to 6DEPLOY documents, training material, and external sources such as technical deployment guidelines and information for strategists
www.6deploy.eu



6DEPLOY Workshops



6DEPLOY

IPv6 deployment and support

6DEPLOY objectives

The purpose of the 6DEPLOY project is to support the deployment of IPv6 in

- Research networks
- FP7 projects
- Developing countries in Africa, Latin America, Asia and Eastern Europe
- Industrial environments in Europe

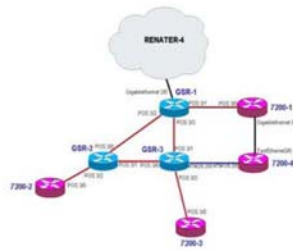


6DEPLOY

IPv6 deployment and support

6DEPLOY Training Material

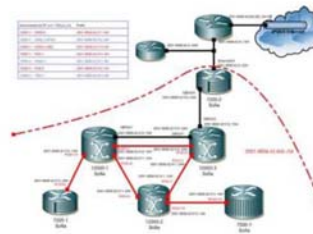
- A professional e-learning course that may be used on-line or downloaded (for free) from the Website
- Presentation material on more than 20 topics associated with IPv6
- Practical configuration exercises
- Remote testbeds in Paris, Sofia and Mauritius (for use in- and out- side the workshops)
- Technical deployment guidelines



Testbed in Paris



Testbed in Mauritius



Testbed in Sofia



12. WEB-BASED PUBLICATIONS

The following list is a selection of useful publications that are on the 6DISS Website and will be linked from the 6DEPLOY Website.

A briefing paper on “IPv6 Deployment and Associated Risks” (for Strategists)

<http://www.6diss.org/publications/papers/ipv6-deployment.pdf>

“European IPv6 Roadmap 2006 Recommendations”

<http://www.6diss.org/publications/papers/eipv6tf-roadmap.pdf>

“An IPv6 Deployment Guide”

<http://www.6diss.org/publications/info/deployment-guide.pdf>

This book (originally produced by the 6NET project) is being reviewed and updated by 6DEPLOY.

13. CONCLUSION

One of the main activities in the 6DEPLOY project is to produce and maintain a set of dissemination material for use in workshops to train the different Internet communities in the areas of IPv6 deployment, configuration, and usage. This material is partly produced within 6DEPLOY, but also exploits previous project activities within and outside the Framework Programmes of the European Commission.

This document has described the set of dissemination material that is currently available, including training modules, "hands-on" exercises, e-learning, testbeds, press releases, conference presentations, news bulletins, brochures, leaflets, posters, web-based publications, etc.. It will be updated after 6 months, when the basic set of documentation should be complete. Further new items after that time will be the specific Deployment Use Cases, which are produced as separate deliverables.

14. REFERENCES

6DEPLOY website: <http://www.6deploy.eu>

6DISS website: <http://www.6diss.org>

Hands-on modules: <http://6diss.6deploy.org/publications/deliverables/hands-on.pdf>

How-to organize an IPv6 workshop:

<http://6diss.6deploy.org/workshops/workshop-guidelines.pdf>

Training the trainers workshop: <http://6diss.6deploy.org/workshops/ttt/>

e-learning package: <http://6diss.6deploy.org/publications/multimedia/e-learning.iso>

e-learning on-line: <http://6diss.6deploy.org/e-learning/>