

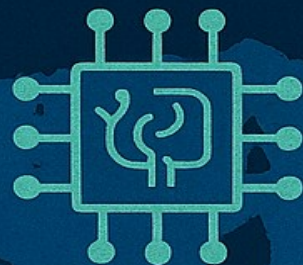


IPv6



IPv6 Council Spain

2026 Strategic Plan & European Cooperation



Carlos Ralli Ucendo
3rd French IPv6 Summit
Jan 27th 2026



IPv6 COUNCIL VISION: BILLIONS OF END-USERS ARE IN. ENTERPRISES TO JOIN NOW.

IPv6

IPv6

ISPs

CITIZENS

**ENTERPRISES
PUBLIC INFRA**

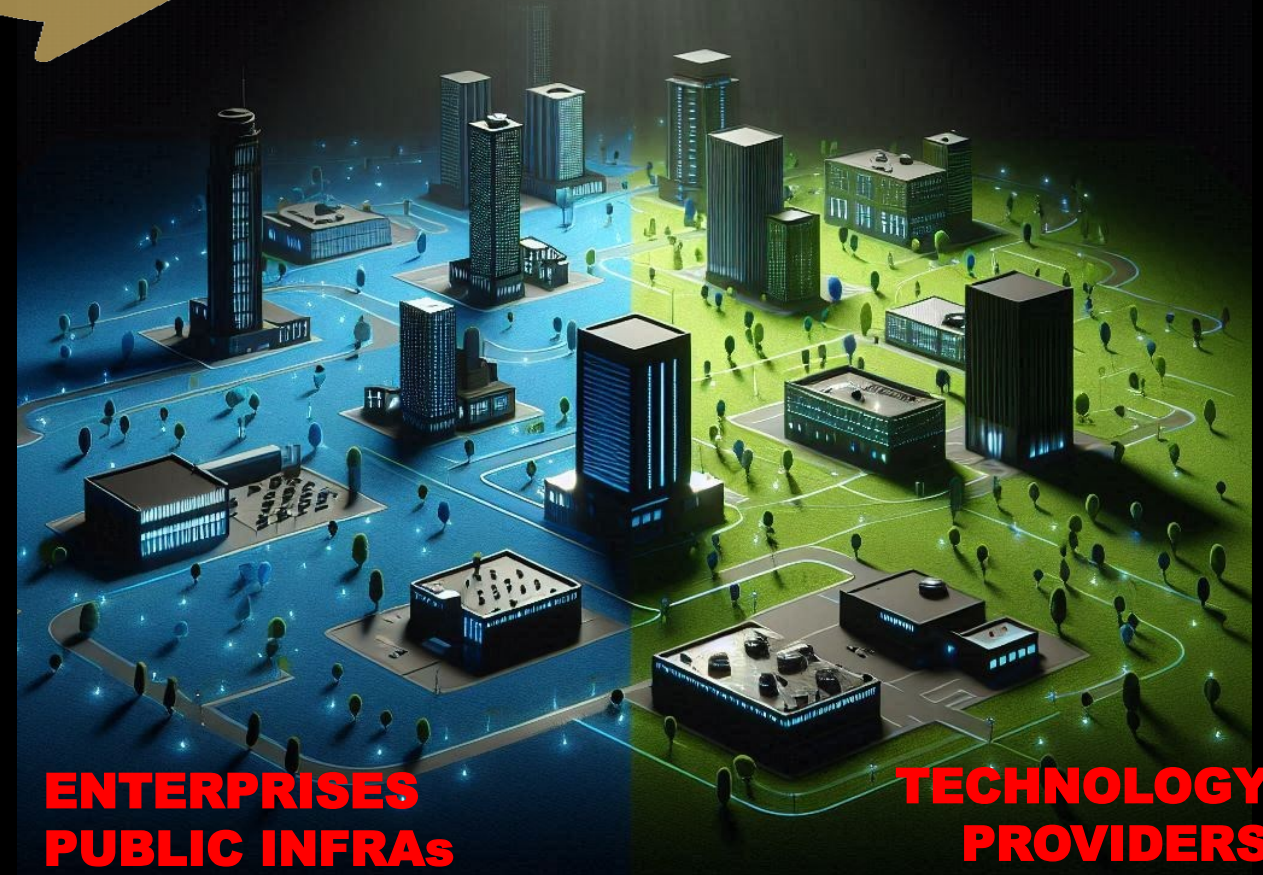
**TECHNOLOGY
PROVIDERS**

ALIGNED w/ INTERNET MODEL: END-USERS COME FIRST, LARGE ORGS COME AFTERWARDS

IPv6 COUNCIL MISSION



**IPv6 COUNCIL MISSION:
FOSTER CORPORATE
AWARENESS & ADOPTION**



ALIGNED w/ INTERNET MODEL: END-USERS COME FIRST, LARGE ORGs COME AFTERWARDS

IPv6 COUNCIL SPAIN. 3 FOCUS AREAS IN 2026

1-CIBERSECURITY



Problem to Solve (KPIs)

- IPv6 not in Sec. Authorities
- IPv6 not in Sec. Conferences

Action Plan

- Build a group of pentesters
- Feed Authorities & Confs + Capacity Building
 1. Guidelines/Course/Video Pentester Working Env.
 2. Papers / Info-Web & Community Projects
 3. Report Threads-Vulnerab. (responsible disclosure)

Problem to Solve

- Corporations lack of actual experience & guidelines
- No practical use-cases.

Action Plan

- Promote a meaningful large IT provider hands-on event.
- IoTMadLab (6LowPAN)
- Bring key Enterprises.



3-ACTUAL HANDS-ON

2-CAPACITY BUILDING



Problem to Solve

- Corporations lacking trained engineers & best practices.

Action Plan

- Agreement w/ CAS-training to promote a European training/certification program
- Agreement w/ CAS-training for a reality-check on corporate courses.

ACTION 1: Cybersecurity Paper & Pentesters proposed Lab

Boosting Enterprise Security
With IPv6 Adoption

IPv6: A Strategic Imperative for CISOs

DRAFT

Abstract

The transition to IPv6 marks a critical juncture in the evolution of Internet technology, presenting enterprises with unprecedented opportunities and pressing challenges. This

Abstract

Table of Contents

How to use this document

I. IPv6 Adoption: Why It Matters Now

Current State of IPv6 Adoption: Case Studies and Lessons Learned

Risks of Ignoring IPv6: Why This Transition Can't Be Delayed

Unique Challenges for Enterprises in Spain: Timelines and Complexities

II. From Strategy to Execution: A Roadmap for IPv6 Success

Building an IPv6 Adoption Strategy: Evaluation, Planning, and Execution

Engaging Key Stakeholders: CIO, CTO, CFO, and CISO Perspectives

Training, Hands-On Implementation, and Pilot Projects

Important considerations

Detecting "IPv6 Shadow IT" as the first step

III. Security Impacts of IPv6 Adoption

Redefining Security Models for IPv6-Ready Architectures

Planning and Processes for a Secure-by-Design Evolution

Governance and Security in IPv6

Monitoring, Tools, and Incident Management in IPv6 Networks

Evolving Threats: New Risks and Challenges

IV. IPv6, IoT, and OT: Expanding the Attack Surface

IoT Ecosystems in the IPv6 Era: Needs, Risks, and Threats

Securing Smart Ecosystems: Smart Cities, Smart Agriculture, and More

Industrial IoT and SCADA Systems: Regulatory and Security Challenges

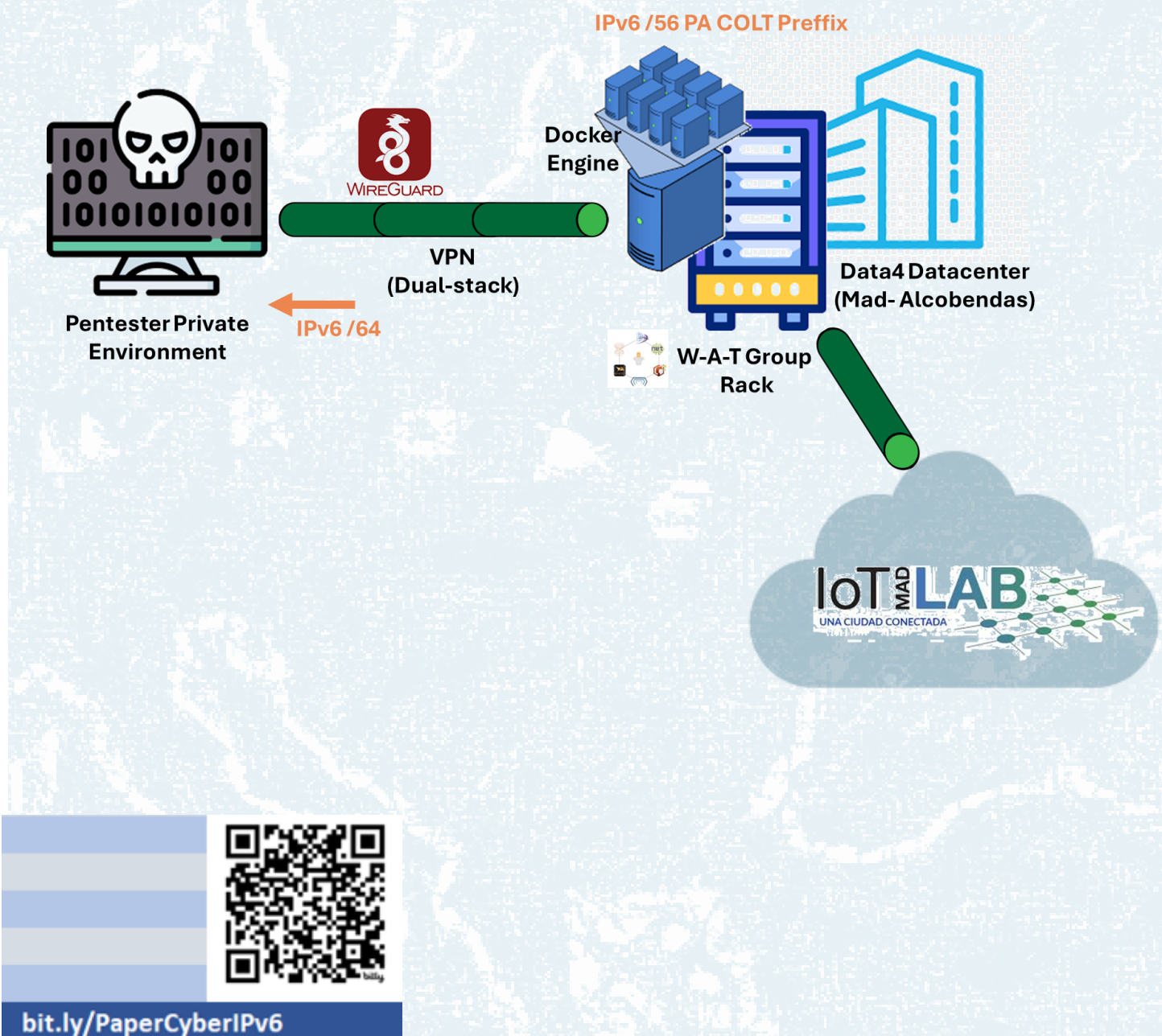
V. Best Practices and Regulation for IPv6 Adoption

Sector-Specific Considerations for Enterprises

Security Best Practices: Designing a Resilient IPv6 Network

Relevant Regulations and Their Importance

1	Abstract
2	Table of Contents
3	How to use this document
4	I. IPv6 Adoption: Why It Matters Now
4	Current State of IPv6 Adoption: Case Studies and Lessons Learned
7	Risks of Ignoring IPv6: Why This Transition Can't Be Delayed
10	Unique Challenges for Enterprises in Spain: Timelines and Complexities
11	II. From Strategy to Execution: A Roadmap for IPv6 Success
11	Building an IPv6 Adoption Strategy: Evaluation, Planning, and Execution
11	Engaging Key Stakeholders: CIO, CTO, CFO, and CISO Perspectives
11	Training, Hands-On Implementation, and Pilot Projects
17	Important considerations
18	Detecting "IPv6 Shadow IT" as the first step
23	III. Security Impacts of IPv6 Adoption
23	Redefining Security Models for IPv6-Ready Architectures
23	Planning and Processes for a Secure-by-Design Evolution
23	Governance and Security in IPv6
24	Monitoring, Tools, and Incident Management in IPv6 Networks
31	Evolving Threats: New Risks and Challenges
33	IV. IPv6, IoT, and OT: Expanding the Attack Surface
33	IoT Ecosystems in the IPv6 Era: Needs, Risks, and Threats
33	Securing Smart Ecosystems: Smart Cities, Smart Agriculture, and More
33	Industrial IoT and SCADA Systems: Regulatory and Security Challenges
34	V. Best Practices and Regulation for IPv6 Adoption
34	Sector-Specific Considerations for Enterprises
34	Security Best Practices: Designing a Resilient IPv6 Network
34	Relevant Regulations and Their Importance



Action 2 – Capacity Building



Design & Develop capacitation itineraries for IPv6.
Professional Profiles: IPv6 Corporate adoption, Cybersecurity & IoT.



Design & Develop Official Certification Exams for the above-mentioned profiles



Collaboration with IPv6 Global Forum & 3rd parties (eg. OpenEDG) to identify certifications



Agree Education action with Universities and Training centers. Alignment with ECTs.



Organize with big players (AWS ...) Education + hands-on (+ Challenge/Hackathon) events for Enterprises and Public organizations.

EUROPEAN IPv6 COUNCILS COOPERATION INITIATIVE

Ian Hallissy



Veronika McKillop



Carl Wuyts



Jorge Pereira
(Monitoring / Feedback)



Wilhelm Boeddinghaus



Tayeb Ben Meriem
Vivien Guéant



Carlos Ralli Ucendo

Work with EU level, National Authorities & Policy makers an
“Actionable Plan” to accelerate Corporations & Public
Infrastructures IPv6 adoption. Priorities:

- Policy Makers awareness & support
- European Cybersecurity challenge
- Future Networks Competitiveness & Innovation

THE RACE HAS STARTED – EUROPE CAN'T AFFORD TO WAIT & CONSUME OTHERS' AGENDA

Digital Sovereignty & Strategic Autonomy demand Immediate Action in Europe.

OPPORTUNITY

AT RISK

Roland Berger Report: 10 Trillion\$ Value of IPv6 and IPv6 Enhanced innovations

Roland Berger assessed the impact of IPv6 and IPv6 enhanced:

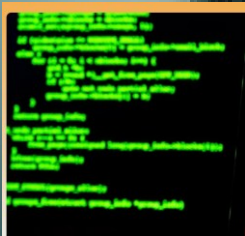
- IPv6 index growth is correlated to GDP growth
- By 2030, it can create a total of \$10 trillion in global economic output

769	4408	1223	1160	535	309
Communication	Manufacturing	Finance	Government	Transportation	Entertainment
479	300	177	708	180	636
Healthcare	Education	energy	Retail	Agriculture	real estate

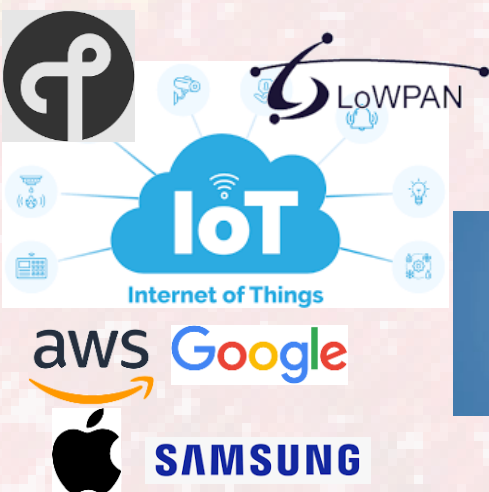
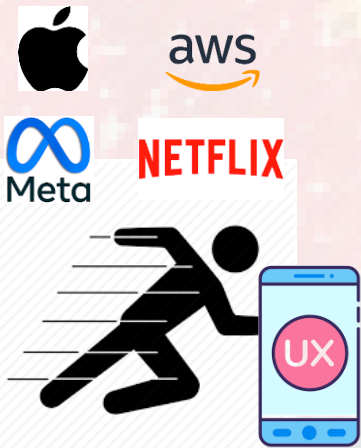
Unit / billion USD

* <https://www.rolandberger.com/en/Insights/Publications/Global-IPv6-Development-Report-2022.html>

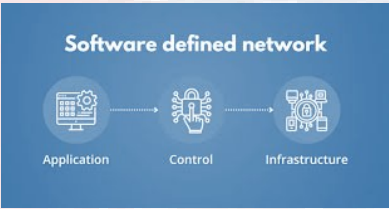
(Ethical) Hacking Experience Cibersecurity-v6 Expertise



IPv6 vulnerabilities
and ethical / non-
ethical hacking



Alibaba
Goldman Sachs



TECHNOLOGICAL
SOVEREIGNTY



IPv6



Merci beaucoup pour votre attention!

