

IPv6 in Public sector in Norway

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Standardisation in the public sector

Why?

- ▶ Public information and services online must be available from all types of user equipment
- ▶ Public information and services must be available independent of user abilities
- ▶ Interoperability between public IT-solutions. To make it possible to reuse data and programs, and to support user oriented services delivered in collaboration between several public bodies.
- ▶ Avoid vendor lock-in.
- ▶ A functional market place for IT-solutions.

The measures taken

- ▶ List of recommended and mandatory IT-standards in the public sector
- ▶ Regulation of IT-standards in the public sector
- ▶ Difi is responsible for assessing the need for standards in different user areas and performing public consultations on our choices.
- ▶ Difi decide the recommended standards
- ▶ Ministry of Local Government and Modernisation submit the mandatory requirements as a regulation for decision in the government.

What is the process like?

- ▶ Standard.difi.no
- ▶ Open process
- ▶ Standardisation board (17 members)
- ▶ Reference group with experts
- ▶ Workshop with vendors
- ▶ Cost& benefit analysis

Status

- ▶ Very few agencies uses IPv6 today
- ▶ Most of the hardware is IPv6 ready

Timeline dual stack IPv4 and Pv6

- ▶ Dual stack IPv4 and IPv6 recommended standard in 2012
- ▶ Lot of suggestions of making the requirements mandatory
- ▶ Autumn 2014 checked out the need
- ▶ Cost/ benefit analysis spring 2015
- ▶ Public consultation June – Oct.
- ▶ Summary of received input
- ▶ New regulation expected from 1/7-2016

Mandatory Internet standards

- ▶ *It is mandatory to require support of both IPv4 and IPv6 in procurement of network equipment and IP-dependent software.*
- ▶ *It is mandatory to make all new and existing public services online available on the net both through IPv4 and IPv6*
- ▶ *Internal clients in public bodies must have equivalent access to external services published on an IPv4 or an IPv6 network.*
- ▶ *New internal networks and solutions in public bodies must support both IPv4 and IPv6.*

Overgangsregel,

- ▶ *2nd bullet, existing solutions and 3rd bullet must be met at a time between 1.1.2019 and 1.1.2021*
- ▶ *Time for Migration to dual stack is uncertain*
- ▶ *We are still a bit uncertain if we are only going to require IPv6 or dual stack*

Obligatoriske grunnleggende nettverksstandarder

- ▶ *Det er obligatorisk for offentlige virksomheter å sette krav til støtte av både IPv4 og IPv6 i alt nytt nettverksutstyr og all IP-avhengig programvare som kjøpes.*
- ▶ *Det er obligatorisk for offentlige virksomheter å gjøre alle nye og eksisterende, eksternt publiserte tjenester tilgjengelig både på IPv4 og IPv6, med unntak av peer to peer kommunikasjon mellom offentlige virksomheter, der man kan legge over på best egnet tidspunkt.*
- ▶ *Alle interne klienter i offentlige virksomheter skal ha tilsvarende tilgang til eksterne tjenester publisert på IPv4 og Ipv6.*
- ▶ *Nye interne nett og løsninger i offentlige virksomheter skal ha støtte for både IPv4 og IPv6.*

Overgangsregel,

- ▶ *andre punkt, eksisterende løsninger, og tredje punkt gjelder fra og med en gang mellom 1.1.2019 og 1.1.2021*

Internet service providers

- ▶ All Internet service providers to public sector must offer both IPv4 and IPv6 networks
- ▶ For those of you, that do already offer both. Make the procurers aware of it – and use your market advantage.

