

# Global Dialing Scheme

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# What is the GDS?

- The Global Dialing Scheme (GDS) is an international dialing plan for H.323 based systems, e.g. endpoints, MCUs, etc.
- Similar to telephone numbering scheme (based on E.164)
  - IAC (International Access Code): 00
  - CC (Country code), e.g. 1, 61, 44, ...
  - OP (Organization prefix)
  - EN (Endpoint number)

Structure:

<IAC><CC><OP><EN>

- Only IAC and CC are “fixed”, OP and EN can be chosen by each individual organization
  - Some countries, e.g. Germany use real E.164 numbers. The US uses “artificial numbers”
- **Not** limited to only 15 digits (E.164 limitation)

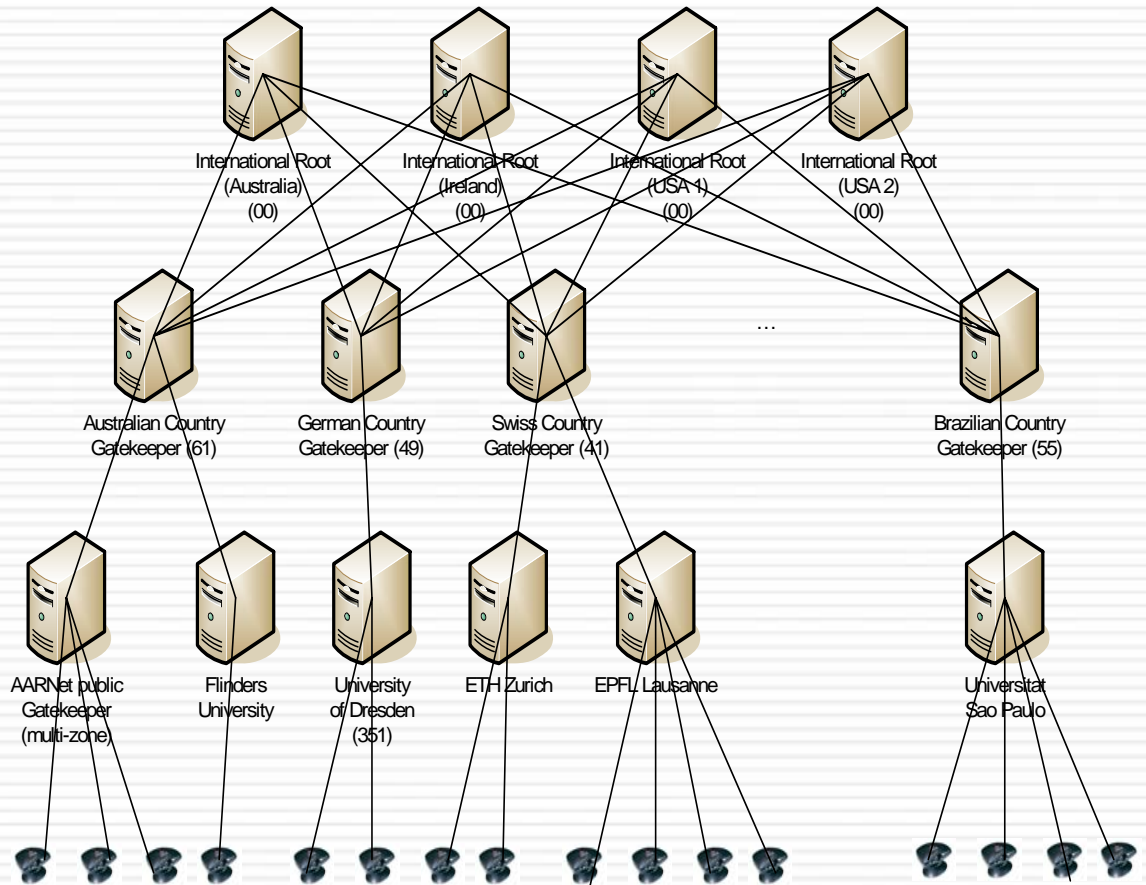
# History

- Established ~ 1999/2000
- Proposed by SURFnet, UKERNA, HEAnet and UNC
- Implemented by ViDeNet, Internet2 and several NREN services

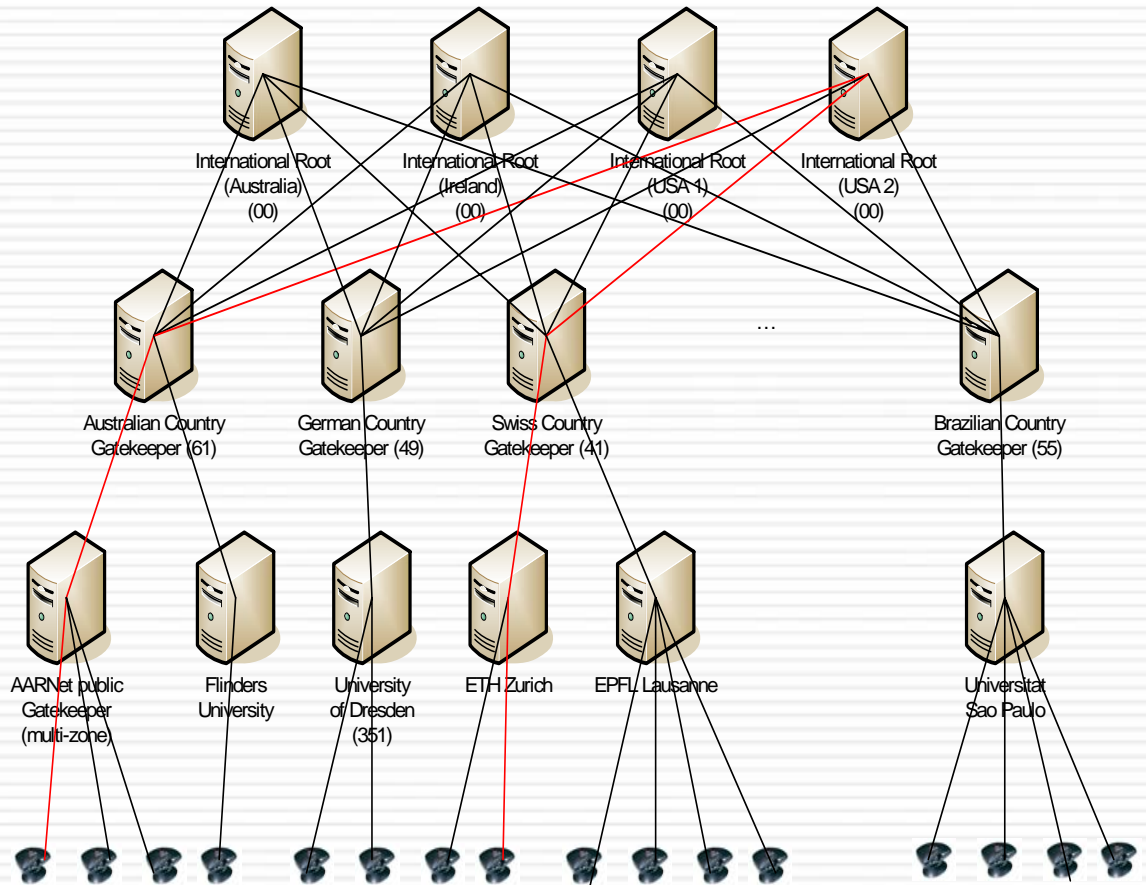
# What is the GDS?

- Infrastructure is a hierarchical model based on Gatekeepers
- Each Gatekeeper represents one zone
  - Tier-0: World (4 int. Gatekeeper)
  - Tier-1: Country (27 countries at the moment)
  - Tier-2: Organization (hundreds of Gatekeeper)
  - {Tier-3: Sub-organization Gatekeeper}
  - ...

# The GDS hierarchy



# A dialing example



# Are you connected?

- Ulli is, Jill is, Gabe is, I am, Bernie is, Mike is, Fabio is, Erik is, Dennis I don't know
- ...and are you?