Internet Addressing

Dep. of Commerce (DoC)

ICANN

provides
address
blocks

Regional Internet Registries
(AIRAs)

*2 ... *5

Africa

USA-Canada

called ARIN (the American registry for)

Internet numbers

ZANA Function
Internet Assigned Numbers Authority

Task

Root server manages gTLD, ccTLD

Root zone control

AS IPv6 IPv4

collection of connected IPv routing prefixes

Root name servers (12)

DNS server

Zone Files

Forward
Reverse

Authoritative name server

Identifies FQDN (Fully Qualified Domain Name)

Software

Bind

NSD (Name Server Domain)