RING-ADMINS @ NLNOG.NET

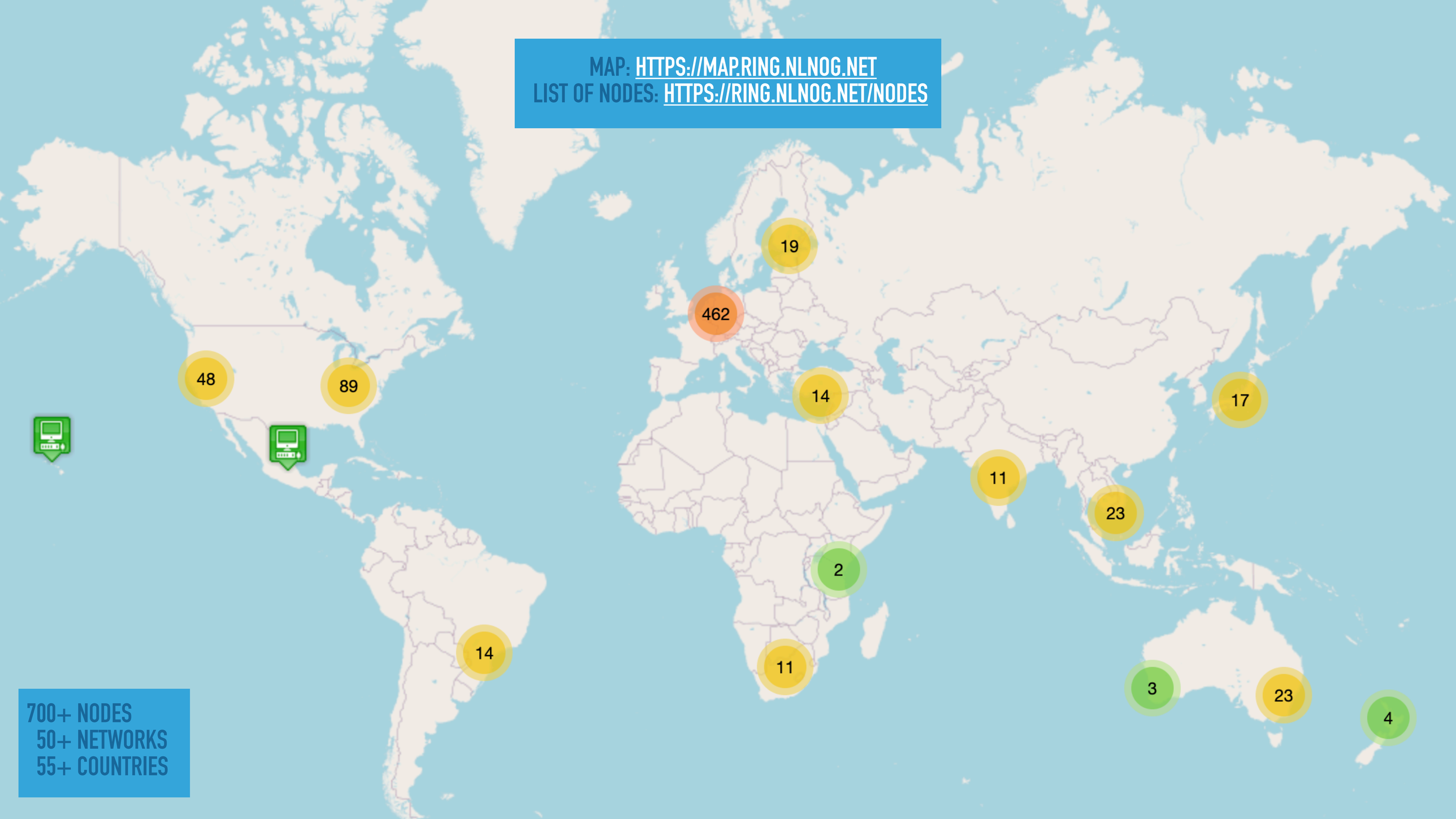
NLNOG RING INTRO

THE PROBLEM

- Debugging network-related issues between networks can be hard
- Having vantage points in many different networks can help
- Having proper debugging tools helps even more!

THE SOLUTION: THE NLNOG RING

- You provide a (virtual) machine in your network
- You get shell (SSH) access to machines of all participants in return
- … and access to some cool tools to do debugging and testing

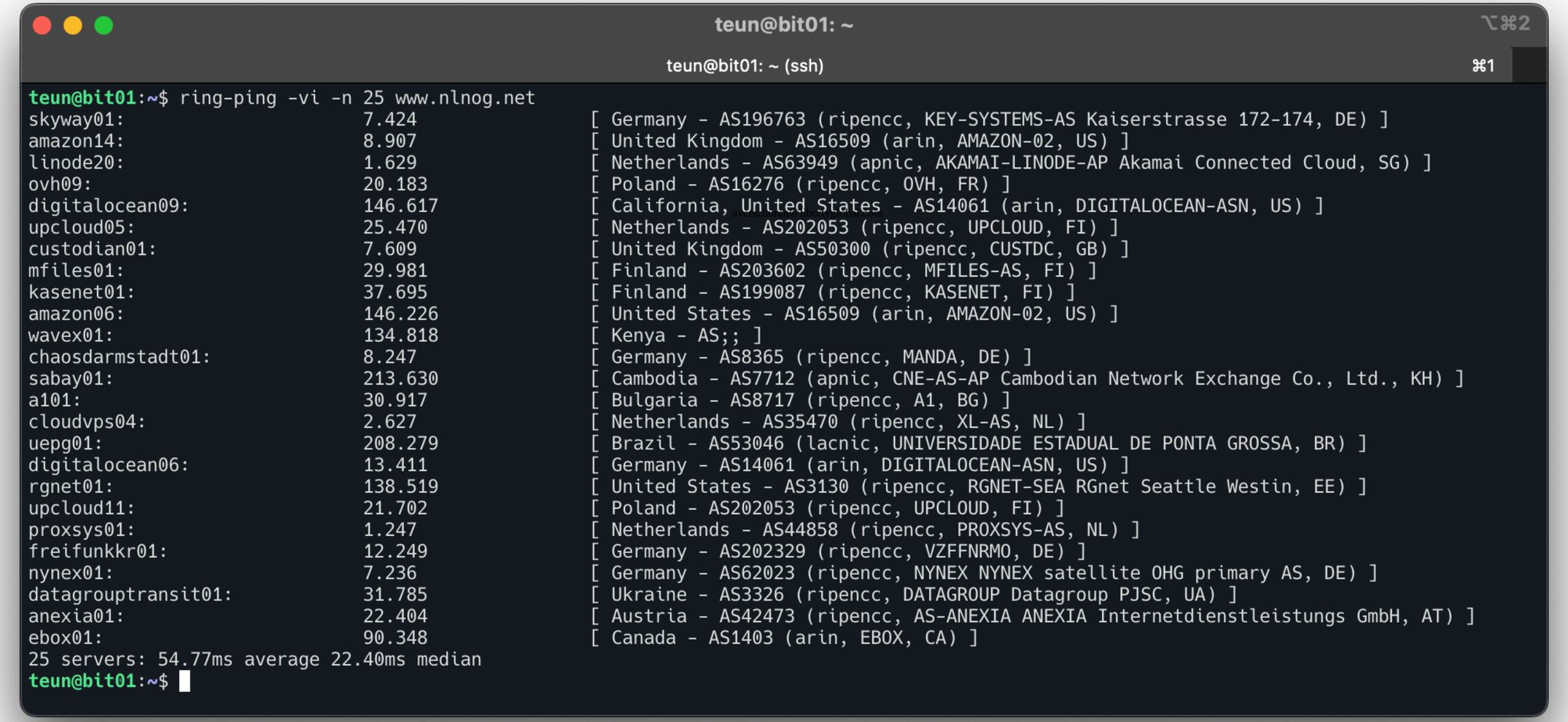

MAP: HTTPS://MAP.RING.NLNOG.NET
LIST OF NODES: HTTPS://RING.NLNOG.NET/NODES
19
462
48
89
14
17
11
23
2
14
11
3
23
4
700+ NODES
50+ NETWORKS
55+ COUNTRIES

NLNOG RING TOOLS

- **ring-ping**: ping a specified target from a number of RING nodes
- **ring-trace**: visualise traceroutes to a target from a selection of RING nodes in a diagram
- **ring-http**: compare answers to HTTP requests to a specified URL
- **ring-sqa**: alert on sudden changes in the number of other RING nodes that can be reached
- **ring-all**: perform any available Linux CLI command on a set of nodes and gather all results
- And of course: there's an extensive set of CLI tools available, for example: **mtr**, **traceroute**, **tcptraceroute**, **ping**, **curl**, **dig**, **python**, etc

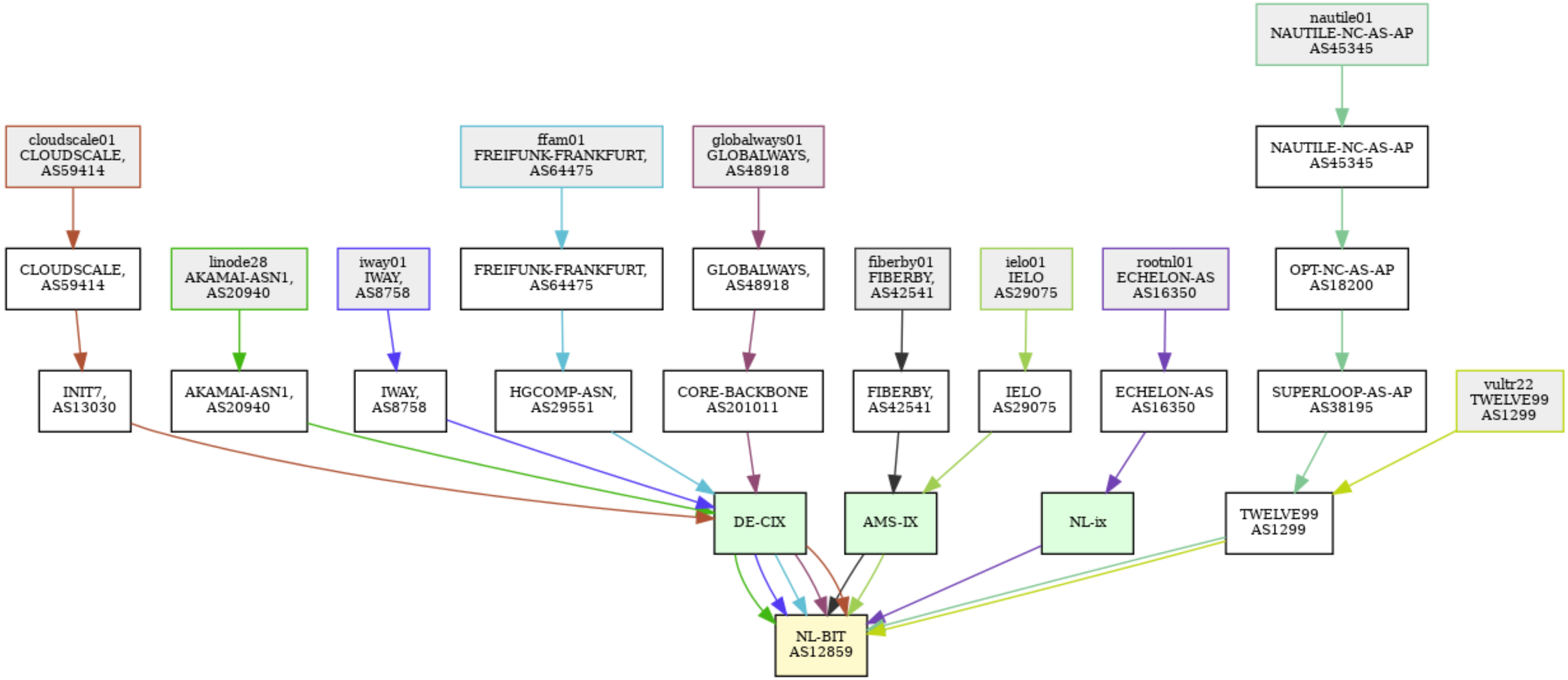
TOOL: RING-PING

Ping a target from a random selection of nodes:

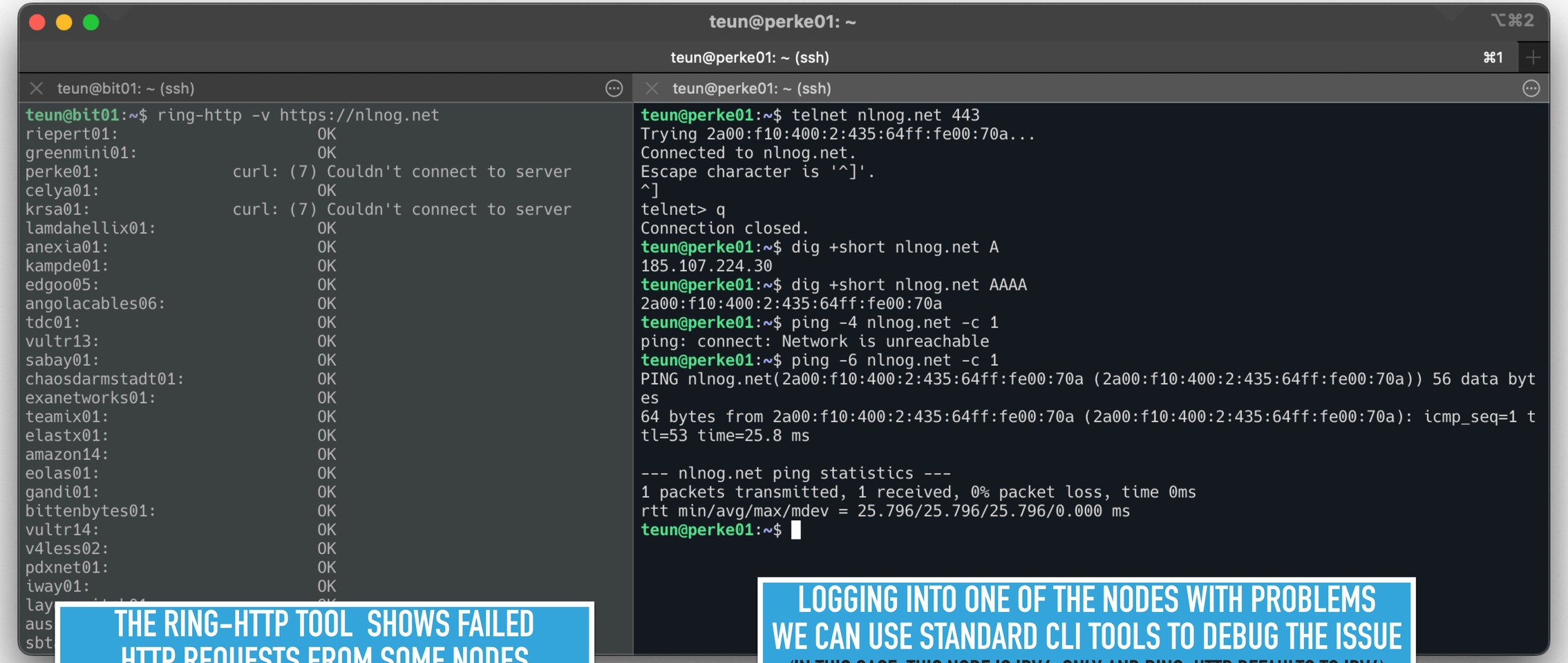


TOOL: RING-TRACE

Perform traceroutes from RING nodes and visualise results:



TOOLS: RING-HTTP AND AN EXTENSIVE LINUX SSH TOOLSET



RING NODE REQUIREMENTS

- A physical or virtual machine running Ubuntu 22.04
- You represent the ASN hosting the RING node and provide working contact information for this ASN
- A publicly accessible IPv6 address (and optionally IPv4)
- At least 20GB disk space and 2GB RAM
- No firewalling to and from the internet
- NLNOG RING Admins get full control (sudo access)

MORE INFORMATION, APPLICATION & CONTACT

- Information and application form: **https://ring.nlnog.net**
- Email: ring-admins@nlnog.net
- IRC Channel: **#ring** on the IRCNet network
- Discord Channel: **#ring** on NLNOG's Discord server (**https://nlnog.net/discord**)
- Configurations, code and playbooks: **https://github.com/nlnog/ring-ansible**