

HEAnet OAV overview

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About HEAnet

- Irish NREN – founded in 1983
- Schools, Universities, Colleges
- Many other smaller organisations
- Work directly with IT staff

Systems

- Puppet
 - Managing several hundred VMs
 - Some HEAnet-written modules
- Terraform
 - Cloud provisioning
- 6connect
 - IPAM with API
 - Used to provision DNS for network



Networks

- Ansible
 - Juniper MPLS WAN
 - Arista leaf & spine networks in data centres
- CSD – Connectivity Services Director
 - Used to build all circuits
 - Single source of truth for all non-Data Centre equipment
 - Backs up all configurations
 - Cesnet OpenNSA integration
- Capirca for ACL generation
 - Git CI/CD



Customer Portal

The screenshot shows the HEANET Customer Portal. At the top left is the HEAnet Portal logo. Below it is a navigation menu with tabs for Overview, Sites, Tickets, Security, Services, Proposals, SLAs, Help, and Admin. The 'Overview' tab is selected, and the page title is 'HEANET: Overview'. There are two main sections: 'Link status' and 'Site status', both with help icons. The 'Link status' section is currently empty. The 'Site status' section lists 14 sites, each with a green status indicator. To the right, there is a 'Smokeping graphs' section with a help icon and the text 'No smokeping graph files found'. The background of the page features a blue and white abstract design with numbers and letters.

HEAnet Portal

Overview Sites Tickets Security Services Proposals SLAs Help Admin

HEANET: Overview

Link status ?

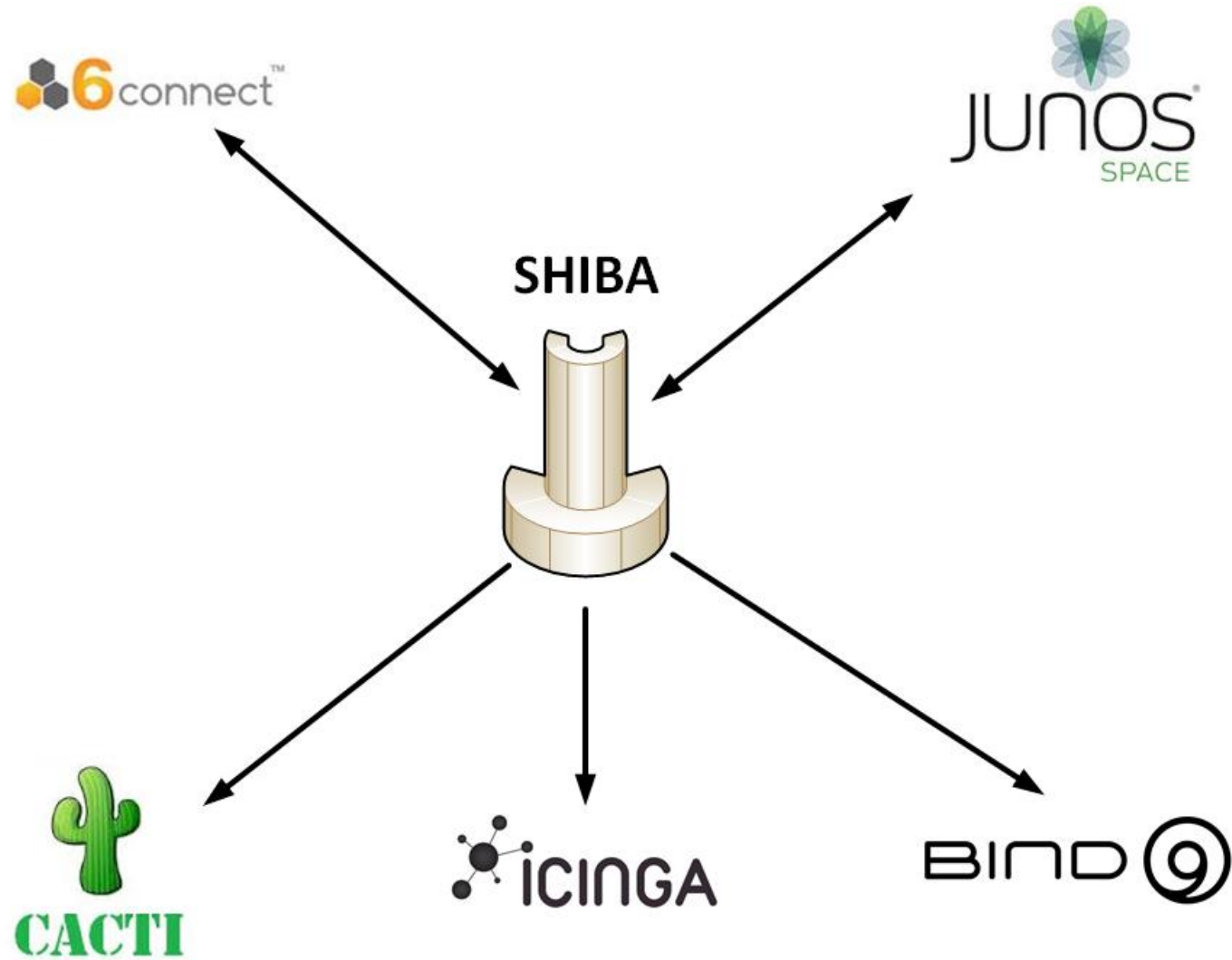
Smokeping graphs ?

No smokeping graph files found

Site status ?

- HEAnet GD5
- Blanchardstown | DRT
- Parkwest | Interxion
- Citywest | BT Applications Hosting
- Telecity Kilcarbery Government Networks KP
- HEAnet Test Lab
- UCC Digital Depot
- RTÉ
- Cork Internet Exchange
- Revenue Data Centre
- Govt Networks KP
- CLISIX
- Equinix DB1

Automation



Virtualisation

- VMWare ESXi
 - Dell servers
 - Recent refresh
 - NFV



Thank you!

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