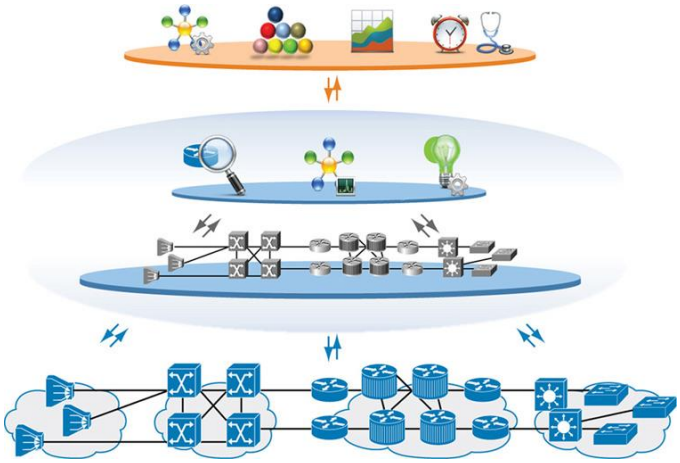
Cisco Active Network Abstraction 3.7.3

Performance and Scalability Information



Cisco ANA Overview

Cisco® Active Network Abstraction (ANA) provides service providers and other carrier-grade network operators with a comprehensive solution for network element and service management. Cisco ANA includes discovery, monitoring, event de-duplication, and root-cause analysis. Cisco ANA supports all major Cisco service provider network elements, as well as a wide variety of network technologies including Multiprotocol Label Switching (MPLS), Carrier Ethernet, and Cisco Unified Radio Access Network (RAN) Backhaul reference architectures. This paper provides at a glance the performance and scaling information for ANA 3.7.3. More detailed information can be obtained by contacting ask_ana_pm@cisco.com.

Cisco ANA 3.7.3 Performance and Scale Statistics at a Glance

Item Description	Release 3.7.3 Scalability Numbers
User sessions	150
Event vision sessions	20
Northbound interface (NBI) sessions	70
Maximum number of devices (virtual network elements [VNEs]) per map	4000
Maximum number of MAPs opened concurrently	600
Maximum number of graphical links per map	15,000
Maximum number of active tickets per map	3500
Maximum events per hour (burst rate)	50,000
Open tickets in database	40,000
Events per device (VNE) per second	25
Correlated traps and/or syslogs per second	210
Raw traps and/or syslogs per second	1100

Item Description	Release 3.7.3 Scalability Numbers
Maximum number of Configuration archive jobs per day	10,000
Maximum number of Image distributions per day	4800
Maximum number of devices managed for image distribution	15,000
Single segment pseudowires - Medium aggregation network	150,000
Maximum number of devices - Carrier Ethernet network	3200
Maximum number of devices - IP RAN network	7000
Maximum number of devices - MPLS network	15,000
Maximum number of devices - EMS only	36,000

Note: To achieve the scalability numbers given above, please contact your Cisco representative for the required hardware specifications. Scalability numbers are subject to increase with new releases; please check the Cisco ANA web page to get the latest information.

Cisco ANA 3.7.3 Performance and Scale Statistics at a Glance

Scale Numbers by Network Technology

Network Technology Component	EMS	MPLS	Carrier Ethernet	IP RAN
Maximum number of devices (VNEs)	36,000	15,250	15,000	7000
Virtual Routing and Forwarding (VRF)	-	50,000	-	-
Pseudowires	-	5000	135,700	40,000
Traffic engineering (TE) tunnels	-	2700	-	3000
VPNs	-	2500	-	-
Sites	-	100,000	-	-
Ethernet Virtual Connections (EVCs)	-	-	173,160	-
Virtual forwarding instances (VFIs)	-	-	82,240	-
Virtual Private LAN Service (VPLS) domains	-	-	28,080	-
Service provider VLANs (S-VLANs)	-	-	280,000	1100
User network interfaces (UNIs)	-	-	79,560	-
Switching entities	-	-	1,170,000	-
E-LINE services	-	-	51,480	12,000

Note: To achieve the scalability numbers above, please contact your Cisco representative for the required hardware specifications. Scalability numbers are subject to increase with new releases; please check the Cisco ANA web page to get the latest information.

Americas Headquarters
Cisco Systems, Inc.
San Jose, CA

Asia Pacific Headquarters
Cisco Systems (USA) Pte. Ltd.
Singapore

Europe Headquarters
Cisco Systems International BV Amsterdam,
The Netherlands

Cisco has more than 200 offices worldwide. Addresses, phone numbers, and fax numbers are listed on the Cisco Website at **www.cisco.com/go/offices.**

Printed in USA C78-677823-00 07/11