

VMware Avi Load Balancer

Applications Operations Templates Infrastructure Administration

admin

Users

CREATE

Username	Super User	Status	Full Name	Email	Tenant (Role)	Last Signed In
admin	Yes	Active	System Administrator	-	admin (System-Admin), All Tenants (Tenant-Admin)	Online since a few seconds ago from 192.168.111.63

Items per page: 10 Total: 1

Accounts

User Profiles Roles Tenants

System Settings Cloud Services Licensing Controller > User Credentials > Support >

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User Profiles

CREATE

Name
Default-User-Account-Profile
No-Lockout-User-Account-Profile

Items per page: 10 Total: 2

Accounts

User Profiles Roles Tenants

System Settings Cloud Services Licensing Controller > User Credentials > Support >

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Roles

CREATE

Name	Application	Infrastructure	Templates	Operations	Administration
Application-Admin	Assorted	Assorted	Assorted	Assorted	Assorted
Tenant-Admin	Assorted	Assorted	Write	Write	Assorted
System-Admin	Write	Write	Write	Write	Write
Application-Operator	Read	Read	Read	Assorted	Assorted
Security-Admin	No Access	No Access	Assorted	No Access	Assorted
WAF-Admin	Read	Assorted	Assorted	No Access	Assorted

Items per page: 10 Total: 6

Accounts

Users User Profiles Roles Tenants

System Settings Cloud Services Licensing Controller > User Credentials > Support >

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Displaying Past 6 Hours Average Values

Name	Num Users	Admin Users	Other Users
admin	2	admin, avisystemuser	

Accounts Users User Profiles Roles Tenants
System Settings Cloud Services Licensing Controller User Credentials Support

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System Settings

AUTHENTICATION Local

Auth Profiles	-
Auth Mapping Profiles	-

ACCESS

HTTP Access	Enabled	Port
HTTP → HTTPS Redirect	Enabled	80

HTTPS Access	Enabled	Port
Basic Authentication	Disabled	443

SSL

SSL Profile	System-Standard-Portal
SSL/TLS Certificate	System-Default-Portal-Cert System-Default-Portal-Cert-EC256

EMAIL SMTP SOURCE

SMTP Source	Local Host
From Address	admin@avicontroller.net
SMTP Server	localhost
Port	587

DNS/NTP

DNS Resolver(s)	192.168.110.10
NTP Authentication Keys	0
NTP Servers	192.168.110.10

System Settings Cloud Services Licensing Controller User Credentials Support

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SMTP Server (localhost) Port (25)

SEND TEST EMAIL

TENANCY MODE IP Route Domain (Share Across Tenants)

SE Managed Within (Provider Context (Shared))

Tenant Service Engine Access (Read)

DNS SERVICES Virtual Services (avi-dns)

Allowed Ciphers (aes128-ctr, aes256-ctr)

Allowed HMACS (3)

SNMP Version (-)

Client Management Access

Allow SSH Clients (Any)

CLI Shell Clients (Any)

Allow External HTTPS Clients (Any)

Allow External SNMP Clients (Any)

Banners Message of the Day (Deactivated)

Login Banner (-)

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Cloud Services

CLOUD SERVICES

PORTAL URL: https://portal.avipulse.vmware.com

ORGANIZATION ID: -

CONTROLLER: Not Registered

cluster-0-1

REGISTER CONTROLLER

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Licensing

ADD LICENSE

Enter a License Key (XXXXXX-XXXXXX-XXXXXX-XXXXXX-XXXXXX)

LICENSE Enterprise

Service Units Usage

Used Service Units

LICENSES

Displaying 2 items

Description	License ID	Tier	Service Cores	SE vCPUs	Service Engine Sockets	Expiry
Eval	Eval	ENTERPRISE	20	20	0	Jun 12, 2024
Trial	Trial	ENTERPRISE	2	2	0	Jan 1, 2035

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Nodes [EDIT](#)

Controller Cluster

cluster-0-1	Up (No HA)
Controller Cluster IPv4	-
Controller Cluster IPv6	-

Node IPv4	Node IPv6	Hostname	Role	State
192.168.111.75	-	192.168.111.75	Leader	Active

Items per page: 10 Total: 1

Accounts System Settings Cloud Services Licensing Controller Nodes Software System Update SEG Update Upload HSM Packages Configuration Backup User Credentials Support

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Applications Operations Templates Infrastructure Administration

System Update

Upload From Computer

Type	Version	Attributes
System	30.2.1-9105 (current)	Controller & Service Engine

Accounts System Settings Cloud Services Licensing Controller Nodes Software System Update SEG Update Upload HSM Packages Configuration Backup User Credentials Support

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Applications Operations Templates Infrastructure Administration

System Update

ABOUT

Version	Patch
30.2.1	-
Build	9105
Date	May 6, 2024, 9:48:25 AM
FIPS	Deactivated
	Common Criteria
	Deactivated

COMPLIANCE MODE

IN PROGRESS

No operations currently in progress.

VIEW PROGRESS

Recent

Controller has never been upgraded

Available updates (0)

Type	Version	Attributes
We couldn't find any objects!		

Items per page: 10 Total: 0

Accounts System Settings Cloud Services Licensing Controller Nodes Software System Update SEG Update Upload HSM Packages Configuration Backup User Credentials Support

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admin

Applications Operations Templates Infrastructure Administration

SEG Update

ABOUT

Version	Patch
30.2.1	-
Build	9105
Date	May 6, 2024, 9:48:25 AM

IN PROGRESS

No operations currently in progress

VIEW PROGRESS

Service Engine Groups (2)

Name	Version	Virtual Services	Service Engines	Cloud	Status
Default-Group	30.2.1-9105	0	0	Default-Cloud	⚠️ Unknown
Default-Group	30.2.1-9105	3	3	lm-vit-paris	⚠️ Unknown

Items per page: 10 2 Total

Recent

Service Engine Group has never been upgraded.

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Configuration Backup

Configuration Backup EDIT

CONFIGURATION BACKUP Enabled

Frequency: Every 1 day(s)

Maximum Backups Stored: 4

LOCAL BACKUP Enabled

Directory: /var/lib/avi/backups/

REMOTE BACKUP Deactivated

Server: -

User Credentials: -

Directory: -

Timestamp: 2024-05-14 06:47:39.543952+00:00

Local File: controller://backups/backup_Default-Scheduler_20240514_064739.json

Remote File: N/A

Items per page: 10 1 Total

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User Credentials

CREATE

Name	Credentials Type
vcenter	vCenter
nsx	NSX

Items per page: 10 2 Total

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Dashboard Clouds Cloud Resources GSLB

Sort By Name Displaying Past 6 Hours

Service Engine (3)

avi_avi-se-en... SE avi_avi-se-lzg... SE avi_avi-se-y... SE

This screenshot shows the VMware Avi Load Balancer interface under the Infrastructure tab. It displays three Service Engines (SE) with green status indicators. The names of the Service Engines are partially visible: 'avi_avi-se-en...', 'avi_avi-se-lzg...', and 'avi_avi-se-y...'. The interface includes a sidebar with navigation links for Dashboard, Clouds, Cloud Resources, and GSLB.

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Applications Operations Templates Infrastructure Administration

Dashboard Clouds Cloud Resources GSLB

Displaying Past 6 Hours

Name	Type	Status
Default-Cloud	No Orchestrator	Green
Im-vit-paris	NSX Cloud	Green

CREATE

This screenshot shows the VMware Avi Load Balancer interface under the Infrastructure tab. It displays a list of clouds, including 'Default-Cloud' (No Orchestrator) and 'Im-vit-paris' (NSX Cloud). The 'CREATE' button is visible at the top right of the table.

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CLOUD Im-vit-paris

EDIT CLOUD

Im-vit-paris

General NSX IPAM/DNS

General

Name* Im-vit-paris

Type* NSX Cloud

Object Name Prefix* avi

Template Service Engine Group Select Template Service Engine Group

Default Network IP Address Management

Enable DHCP (checked)

Enable IPv6 Auto Configuration (unchecked)

Management Network

Enable IPv4 (checked)

Enable IPv6 (unchecked)

TENANT admin

Last Modified May 13, 2024 12:22 AM

SAVE CANCEL

This screenshot shows the 'EDIT CLOUD' dialog box for the 'Im-vit-paris' cloud. It contains tabs for General, NSX, and IPAM/DNS. Under the General tab, fields include 'Name' (Im-vit-paris), 'Type' (NSX Cloud), 'Object Name Prefix' (avi), and a 'Template Service Engine Group' dropdown. Under 'Default Network IP Address Management', there are checkboxes for 'Enable DHCP' (checked) and 'Enable IPv6 Auto Configuration' (unchecked). Under 'Management Network', there are checkboxes for 'Enable IPv4' (checked) and 'Enable IPv6' (unchecked). On the right side of the dialog, it shows the 'TENANT' as 'admin' and 'Last Modified' as 'May 13, 2024 12:22 AM'. At the bottom are 'SAVE' and 'CANCEL' buttons.

VMware Avi Load Balancer

CLOUD
Im-vi1-paris

EDIT CLOUD

Im-vi1-paris

General NSX IPAM/DNS

NSX

Credentials

NSX Manager Address ⓘ
Im-vi1-paris.corp.vmbeans.com

NSX Manager Credentials ⓘ
nsx

CHANGE CREDENTIALS

Management Network

Transport Zone* ⓘ
vi1-paris-tz-overlay01 (Overlay)

Tier1 Logical Router* ⓘ
Ti-VI1-AVIMGT

Overlay Segment ⓘ
/infra/segments/avi-mgt

Enable VPC Mode ⓘ

Data Networks

CANCEL **SAVE**

Tenant
admin
Last Modified
May 13, 2024 12:22 AM

This screenshot shows the 'NSX' tab of the 'EDIT CLOUD' dialog for the cloud 'Im-vi1-paris'. The 'Credentials' section contains the NSX manager address 'Im-vi1-paris.corp.vmbeans.com' and credentials 'nsx'. The 'Management Network' section includes a transport zone 'vi1-paris-tz-overlay01 (Overlay)', a tier1 logical router 'Ti-VI1-AVIMGT', and an overlay segment '/infra/segments/avi-mgt'. There is also an option to enable VPC mode.

VMware Avi Load Balancer

CLOUD
Im-vi1-paris

EDIT CLOUD

Im-vi1-paris

General NSX IPAM/DNS

Data Networks

Transport Zone* ⓘ
vi1-paris-tz-overlay01 (Overlay)

Data Network Segment(s) *

ADD

Logical Router	Overlay Segment
Ti-VI1-AVIVIP	avi-vsVIP

vCenter Servers (*)

ADD

Name	URL
vccenter-vi1-paris	vccenter-vi1-paris.corp.vmbeans.com

IPAM/DNS

CANCEL **SAVE**

Tenant
admin
Last Modified
May 13, 2024 12:22 AM

This screenshot shows the 'Data Networks' tab of the 'EDIT CLOUD' dialog for the cloud 'Im-vi1-paris'. It includes a transport zone 'vi1-paris-tz-overlay01 (Overlay)' and a table for data network segments. The table lists a logical router 'Ti-VI1-AVIVIP' and an overlay segment 'avi-vsVIP'. Below this, there is a section for vCenter servers, listing 'vccenter-vi1-paris' with URL 'vccenter-vi1-paris.corp.vmbeans.com'.

VMware Avi Load Balancer

CLOUD
Im-vt-paris

EDIT CLOUD

Im-vt-paris

General NSX IPAM/DNS

IPAM/DNS

IPAM Profile i
avi-ipam

DNS Profile i
avi-dns

DNS Resolvers (0) i

ADD

Name

We couldn't find any objects!

Items per page 10 0 Total

CANCEL SAVE

Tenant admin Last Modified May 13, 2024 12:22 AM

This screenshot shows the 'Edit Cloud' interface for 'Im-vt-paris'. The 'IPAM/DNS' tab is selected. It lists an IPAM profile ('avi-ipam') and a DNS profile ('avi-dns'). Below these, there is a section for 'DNS Resolvers' with a button to 'ADD'. A message indicates 'We couldn't find any objects!'. The bottom right corner shows the tenant information: 'admin' and the last modified date: 'May 13, 2024 12:22 AM'.

VMware Avi Load Balancer

Applications Operations Templates Infrastructure Administration

Select Cloud: Im-vt-paris

Displaying Past 6 Hours Average Values

Name	Health	Status
avi_avi-se-envqy	Up	
avi_avi-se-lzgrc	Up	
avi_avi-se-ylwzk	Up	

This screenshot shows the 'Infrastructure' tab with 'Clouds' selected. It displays a list of service engines under 'Service Engine Group'. There are three entries: 'avi_avi-se-envqy', 'avi_avi-se-lzgrc', and 'avi_avi-se-ylwzk', each with a green circular status icon indicating they are 'Up'. The top navigation bar includes 'Applications', 'Operations', 'Templates', 'Infrastructure', and 'Administration'.

VMware Avi Load Balancer

Applications Operations Templates Infrastructure Administration

Select Cloud: Im-vt-paris

Service Engine Group

CREATE

Name	Version	# Service Engines	Maximum Number of Service Engines	# Virtual Services	Maximum Number of Virtual Services per Service Engine	HA Mode
Default-Group	30.2.1-9105	3	10	3	10	N + M (buffer)

Items per page 10 1 Total

This screenshot shows the 'Infrastructure' tab with 'Clouds' selected. It displays a table for 'Service Engine Group' creation. There is one row: 'Default-Group' with 'Version 30.2.1-9105', '3 # Service Engines', '10 Maximum Number of Service Engines', '3 # Virtual Services', '10 Maximum Number of Virtual Services per Service Engine', and 'N + M (buffer)' HA Mode. The top navigation bar includes 'Applications', 'Operations', 'Templates', 'Infrastructure', and 'Administration'.

VMware Avi Load Balancer

admin

Applications Operations Templates Infrastructure Administration

Select Cloud: In-vti-paris

Clouds

Cloud Resources

Service Engine

Service Engine Group

Networks

VRF Context

GSLB

Networks

CREATE

Name	Discovered Subnets	Configured Subnets	Static IP Pools	VRF Context
avi-mgt	None	10.172.192.0/24 [47/50]	1	global
avi-vsip	None	10.10.10.0/24 [87/90]	2	T1-VTI-AVIVIP

Items per page: 10 | 2 Total

VMware Avi Load Balancer

NETWORK
avi-mgt

EDIT NETWORK SETTINGS

avi-mgt

General

Name*: avi-mgt

IP Address Management

Enable DHCP ⓘ

Enable IPv6 Auto Configuration ⓘ

Routing Context

global

Subnets (1 Configured, 0 Discovered)

ADD

Subnet Prefix	Type	IP Address Pool
10.172.192.0/24	Configured	10.172.192.200-10.172.192.249

Items per page: 10 | 1 Total

Tenant: admin

Last Modified: May 13, 2024 12:24 AM

CANCEL SAVE

VMware Avi Load Balancer

NETWORK
avi-mgt

SUBNET

EDIT SUBNET

General

Subnet Prefix*
10.172.192.0/24

Use Static IP Address for VIPs and SE

Static IP Ranges (1)

ADD

	IP Address Range	Use For
<input type="checkbox"/>	10.172.192.200-10.172.192.249	SE VNIC

Items per page: 10 Total: 1

CANCEL SAVE

VMware Avi Load Balancer

NETWORK
avi-vsvip

avi-vsvip

EDIT NETWORK SETTINGS | ▾

General

Name*
avi-vsvip

IP Address Management

Enable DHCP ⓘ

Enable IPv6 Auto Configuration ⓘ

Routing Context
T1-VI-AVI/VIP

Subnets (1 Configured, 0 Discovered)

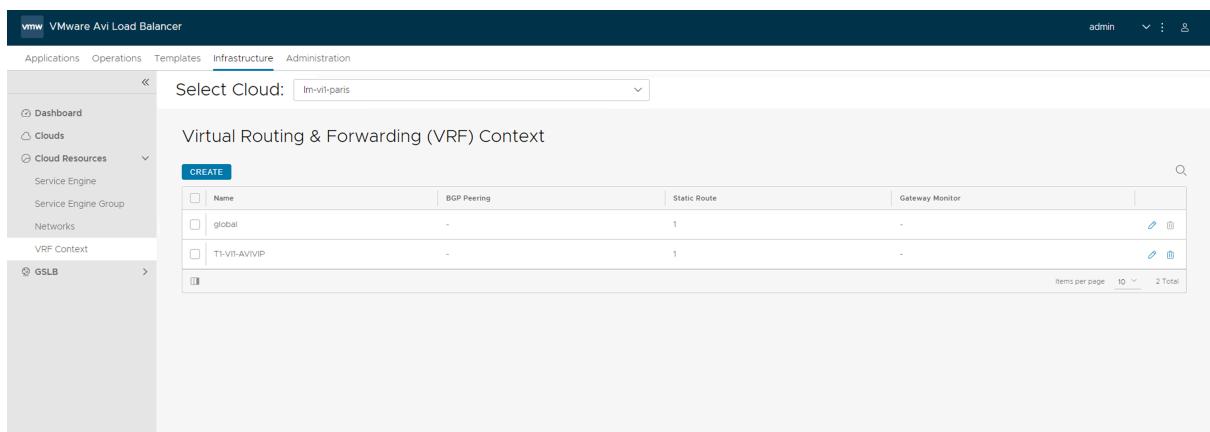
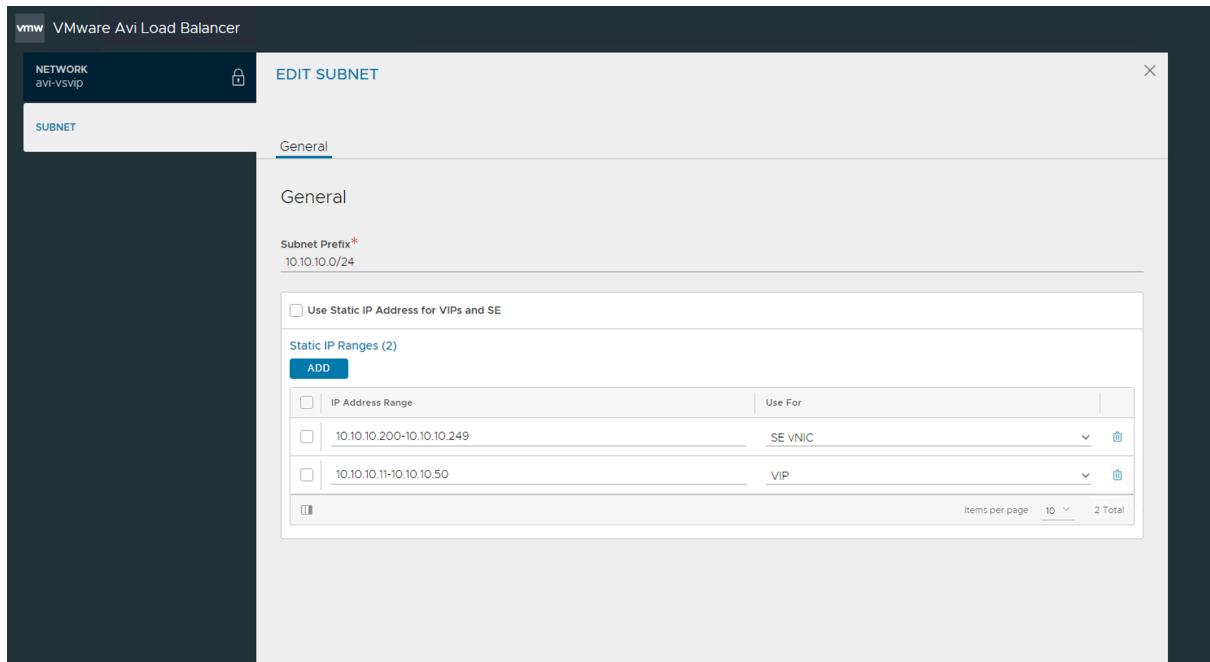
ADD

Subnet Prefix	Type	IP Address Pool
10.10.10.0/24	Configured	10.10.10.200-10.10.10.249, 10.10.10.11-10.10.10.50

Items per page: 10 Total: 1

Tenant: admin
Last Modified: May 14, 2024 12:12 AM

CANCEL SAVE



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VRF CONTEXT global

EDIT VRF CONTEXT

global

General Static Route BGP Peering Gateway Monitor

General

Name*
global

Bidirectional Forwarding Detection (BFD) ⓘ

Detection Multiplier ⓘ Enter Detection Multiplier
Minimum Transmit Interval ⓘ Enter Minimum Transmit Interval
Milliseconds

Minimum Receive Interval ⓘ Enter Minimum Receive Interval
Milliseconds

Static Route

Subnets (1)

ADD

<input type="checkbox"/> Gateway Subnet	Next Hop
<input type="checkbox"/> 0.0.0.0/0	10.172.192.1
Items per page: 10 Total: 1	

BGP Peering

CANCEL SAVE

Tenant admin Last Modified May 13, 2024 12:25 AM

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VRF CONTEXT global

EDIT VRF CONTEXT

global

General Static Route BGP Peering Gateway Monitor

BGP Peering

Enable BGP Peering ⓘ

Gateway Monitor

IP Addresses to Monitor (0) ⓘ

ADD

<input type="checkbox"/> IP Address	
We couldn't find any objects!	
Items per page: 10 Total: 0	

CANCEL SAVE

Tenant admin Last Modified May 13, 2024 12:25 AM

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VRF CONTEXT
T1-VI1-AVIVIP

EDIT VRF CONTEXT

T1-VI1-AVIVIP

General Static Route BGP Peering Gateway Monitor

General

Name*
T1-VI1-AVIVIP

Bidirectional Forwarding Detection (BFD) ⓘ

Detection Multiplier ⓘ	Enter Detection Multiplier	Minimum Transmit Interval ⓘ	Enter Minimum Transmit Interval	Minimum Receive Interval ⓘ	Enter Minimum Receive Interval
		Milliseconds	Milliseconds		

Static Route

Subnets (0)

ADD

<input type="checkbox"/>	Gateway Subnet	Next Hop
<input type="checkbox"/>	0.0.0.0/0	10.10.10.1
Items per page: 10 Total: 1		

CANCEL **SAVE**

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VRF CONTEXT
T1-VI1-AVIVIP

EDIT VRF CONTEXT

T1-VI1-AVIVIP

General Static Route **BGP Peering** Gateway Monitor

BGP Peering

Enable BGP Peering ⓘ

Gateway Monitor

IP Addresses to Monitor (0) ⓘ

ADD

<input type="checkbox"/>	IP Address
We couldn't find any objects!	
Items per page: 10 Total: 0	

CANCEL **SAVE**

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Applications Operations Templates Infrastructure Administration

Dashboard

- Virtual Services
- VS VIPs
- Pools
- Pool Groups

View VS Tree Displaying Past 6 Hours **CREATE VIRTUAL SERVICE**

Virtual Services (3) Expand All

- avi-dns
- avi-serveyl PRIMARY SE
- oc-vs-9fa49387-a750-47c8-a8f2-4ea39366d707
- web-vs-tf2eaed6-287f-45cd-8aa4-8438a97da4ff

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Applications Operations Templates Infrastructure Administration

CREATE VIRTUAL SERVICE

Name	Health	Address	App Domain...	Service Ports	Pools	Total Servic...	RPS	CPS	Open Conns	Throughput
avi-dns	green	blue 10.10.10.10	N/A	53		1	—	0.0 /sec	0	0.0 bps
oc-vs-9fa49387...	green	blue 10.10.10.11	N/A	80	oc-pool-bbe1...	1	0.0 /sec	0.0 /sec	0	719 bps
web-vs-1f2eased...	green	blue 10.10.10.12	N/A	80	web-pool-76...	1	0.0 /sec	0.0 /sec	0	7.9 bps

Edit Virtual Service: avi-dns

Settings Policies Analytics Advanced Static DNS Records

Name: avi-dns

Enabled: Traffic Enabled:

VS VIP: avi-dns-VsVip

Service Port: 53

Network Profile: System-UDP-Per-Pkt

Application Profile: System-DNS

Pool: Select a Pool

Minimum Pools Up: Enter Value

Ignore network reachability constraints for the server pool:

Other Settings:

Description:

Cancel Save

Edit Virtual Service: avi-dns

Settings Policies Analytics Advanced Static DNS Records

Network Security: IP Reputation DB, Geo DB

Role-Based Access Control (RBAC): ADD

We couldn't find any objects!

Items per page: 10 Total: 0

Cancel Save

Edit Virtual Service: avi-dns

Settings Policies Analytics Advanced Static DNS Records

Analytics Profile Metric Update Frequency min
 Real Time Metrics

Client Log Settings

Significant log throttle logs/sec

User defined filters log throttle logs/sec

Non-significant logs

Client Log Filters

Displaying 0 items

Enabled	Name
No items found	

Edit Virtual Service: avi-dns

Settings Policies Analytics Advanced Static DNS Records

Performance Limit Settings

Performance Limits

Quality of Service

Weight Fairness Throughput And Delay Fairness

Other Settings

Traffic Clone Profile Service Engine Group

SNAT Addresses

IPv4 IPv6 Both

IPv4 Address	IPv6 Address
No Items Found	

Use VIP as SNAT Advertise SNAT via BGP

Role-Based Access Control (RBAC)

Edit Virtual Service: avi-dns

Settings Policies Analytics Advanced Static DNS Records

• Static DNS Records •

Create DNS Record

Displaying 0 items

FQDN	Type	Record Data	TTL	Algorithm
No items found				

Cancel Save

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Applications Operations Templates Infrastructure Administration

VS VIPs

Show All VIPs

CREATE

Name	Address	# Virtual Services	
avi-dns-VIP	10.10.10.10	1	Edit Delete
oc-vip-c0c95686-2b07-4043-a0a5-27aads978b2b	10.10.10.11	1	Edit Delete
web-vip-5355571f-e368-4df7-b9e4-1260a4f5d885	10.10.10.12	1	Edit Delete

Items per page: 10 3 Total

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VS VIP
avi-dns-VsVip

EDIT VS VIP | □ ▾

avi-dns-VsVip

General RBAC

General

Name* ⓘ
avi-dns-VsVip

Cloud
ln-vti-paris

VRF Context ⓘ
T1-VTI-AVIVIP

Tier1 Logical Router ⓘ
T1-VTI-AVIVIP

VIPs (1)* ⓘ

ADD

	Enabled	VIP ID	Private IP Type	IP Address	IPv6 Address
<input type="checkbox"/>	<input checked="" type="radio"/>	1	Static	10.10.10.10	-

Items per page: 10 ▾ 1 Total

DNS (0) ⓘ

ADD

	Application Domain	Type
<input type="checkbox"/>		

We couldn't find any objects!

Items per page: 10 ▾ 0 Total

CANCEL SAVE

Tenant
admin

Last Modified
May 13, 2024 12:53 AM

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VS VIP
avi-dns-VsVip

EDIT VS VIP | □ ▾

avi-dns-VsVip

General RBAC

DNS (0) ⓘ

ADD

	Application Domain	Type
<input type="checkbox"/>		

We couldn't find any objects!

Items per page: 10 ▾ 0 Total

BGP Peer Labels ⓘ

Select BGP Peer Labels

Role-Based Access Control (RBAC)

Role-Based Access Control (RBAC) ⓘ

ADD

	Key	Value(s)
<input type="checkbox"/>		

We couldn't find any objects!

Items per page: 10 ▾ 0 Total

CANCEL SAVE

Tenant
admin

Last Modified
May 13, 2024 12:53 AM