

---

## Configure an Application Delivery Controller

 For supported software information, click [here](#).

An application delivery controller (ADC) is a component of a Versa Operating System™ (VOS™) device that accepts TCP or UDP connections from a process that initiates a connection. The ADC maps the connection to one of a set of receiving nodes, using a configurable load-balancing algorithm to choose a receiving node in the set. The ADC uses network address translation (NAT) to map the connection between the process and the receiving node.

You can configure an ADC to toggle connections from an initiating process between a default set of receiving nodes (a pool) and a backup pool. The ADC can detect when the default pool is unreachable and, in that case, maps connections to the backup pool instead.

You can use an ADC to do the following:

- Load-balance log export functionality (LEF) connections between VOS devices and the nodes in an Analytics cluster. In this case, you configure the ADC on a Controller node, and LEF on the VOS device initiates the TCP or UDP connection. The ADC maps the connection to one of the nodes in the Analytics cluster. For information about LEF connections and the ADC, see VOS Devices and Log Export Functionality in [Versa Analytics Configuration Concepts](#).
- Toggle LEF connections from VOS devices between a primary and a backup Analytics cluster. In this case, you configure the ADC on a Controller node, and LEF on the VOS device initiates the TCP or UDP connection. The ADC maps the connection to one of the nodes in the primary cluster. If the primary cluster is unreachable, the ADC maps the connection to one of the nodes in the backup cluster instead.
- Load-balance connections between remote systems and web servers. In this case, you configure the ADC on a branch VOS device, and a process, such as a browser, on the remote system initiates the TCP or UDP connection. The ADC maps the connection to one of a set of web servers. As additional processes initiate connections, the ADC distributes them among the set of web servers.

To configure an ADC, you create an ADC service. This service defines a virtual IP address and TCP or UDP port number combination, called an *ADC service tuple*, that the service uses to listen for incoming connections. For each receiving node, you configure an ADC server that specifies the IP address and TCP or UDP port number that the receiving node uses to listen for incoming connections. You then place the ADC servers into an ADC server pool. You associate the ADC service with an ADC server pool. You can optionally configure a backup ADC server pool.

To configure an ADC service, you do the following:

- Configure one or more ADC servers.
- Configure a pool of ADC servers.

- Configure the ADC service itself, which associates an ADC service tuple with the pool of ADC servers.

When a process initiates a TCP or UDP connection to the ADC service tuple, the ADC service receives these connections and distributes them to the members of the ADC server pool. If you have configured a backup pool, the ADC service toggles the connections to the backup pool when the default pool is unreachable. You can configure the ADC service to return to the default pool when it becomes reachable again.

Note: When configuring an ADC service to distribute LEF connections to Analytics clusters, select the provider organization when configuring ADC servers, server pools, services, and server monitors. You can use the ADC service from any of the tenant organizations for the provider.

You can also configure ADC monitors to probe the health state of an ADC server.


---

## Enable an ADC

Before you configure ADC services, you must enable an ADC on the VOS device. To do this, you enable the ADC globally in the service node group used by the VOS device. Then you can enable the ADC for individual organizations, which you do by adding ADC services to the organization limits for the provider or tenant organization.

For information about configuring service node groups, see [Configure Service Node Groups](#). For information about configuring organization limits, see [Configure Organization Limits](#).

To enable the ADC globally for a VOS device:

1. In Director view:
  - a. Select the Administration tab in the top menu bar.
  - b. Select Appliances in the left menu bar.
  - c. In the main pane, click the name of the VOS device. The view changes to Appliance view.
2. Select the Configuration tab in the top menu bar.
3. Select Others  > Service Nodes > Service Node Groups in the left menu bar. The main pane displays the service node groups that are already configured.

Monitor

Analytics

Configuration

Administration

Home

SDWAN-Branch1

Organization

System

Elasticity

Service Nodes

Service Node Groups

Service Node Group C...

Syslog Server

Alarms

High Availability

VNFs

>

>

>

>

>

>

>

>

>

Search

<input type="checkbox"/>	Service Node Group	Services
<input type="checkbox"/>	<a href="#">default-sng</a>	adc cgnat nextgen-firewall <a href="#">View More...</a>

4. Click the name of the service node group. The Edit Service Node Group popup window displays.

[https://docs.versa-networks.com/Secure\\_SD-WAN/01\\_Configuration\\_from\\_Director/Common\\_Configuration/Configure\\_Applic...](https://docs.versa-networks.com/Secure_SD-WAN/01_Configuration_from_Director/Common_Configuration/Configure_Applic...)  
 Updated: Wed, 23 Oct 2024 08:27:52 GMT  
 Copyright © 2024, Versa Networks, Inc.

3

Edit Service Node Group - default-sng

Name \*

default-sng

Service Node Group ID \*

0

Description

Tags

Type

Internal

Elastic Policy

--Select--

Egress Interface

--Select--

Ingress Interface

--Select--

Service Function Egress Address

Service Function Ingress Address

Services \*

Available Services

Add All

Search

stateful-firewall

secure-access

Selected Services

Remove All

Search

adc

cgnat

nextgen-firewall

ipsec

tdf

sdwan


OK

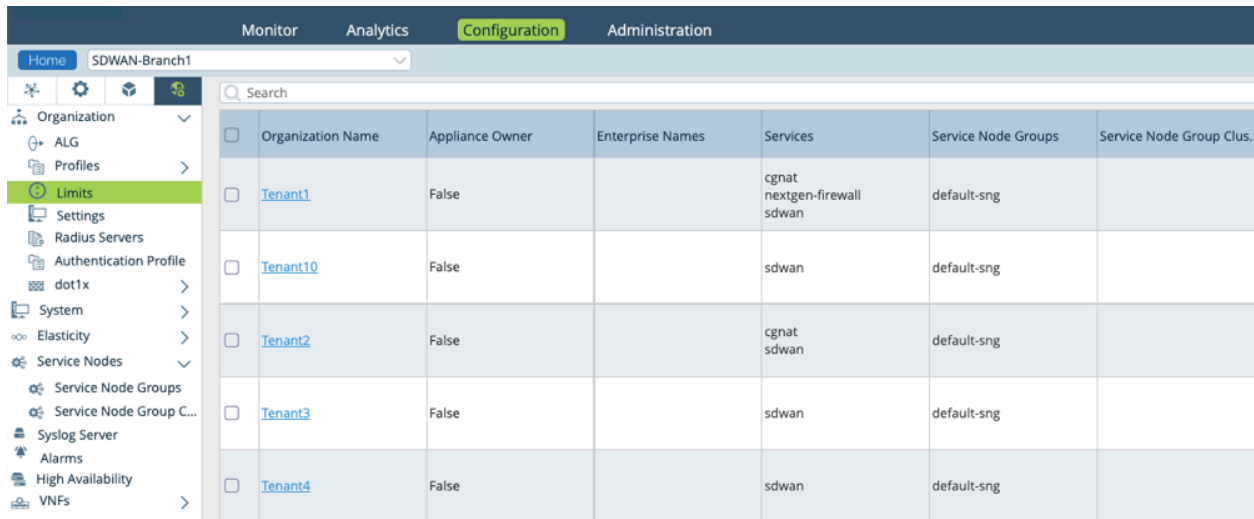
Cancel

5. In the Selected Services table, ensure that ADC is listed. If it is not listed, click ADC in the Available Services table to move it to the Selected Services table.
6. Click OK
7. Refresh the browser window.

To enable the ADC for an organization on a VOS device:

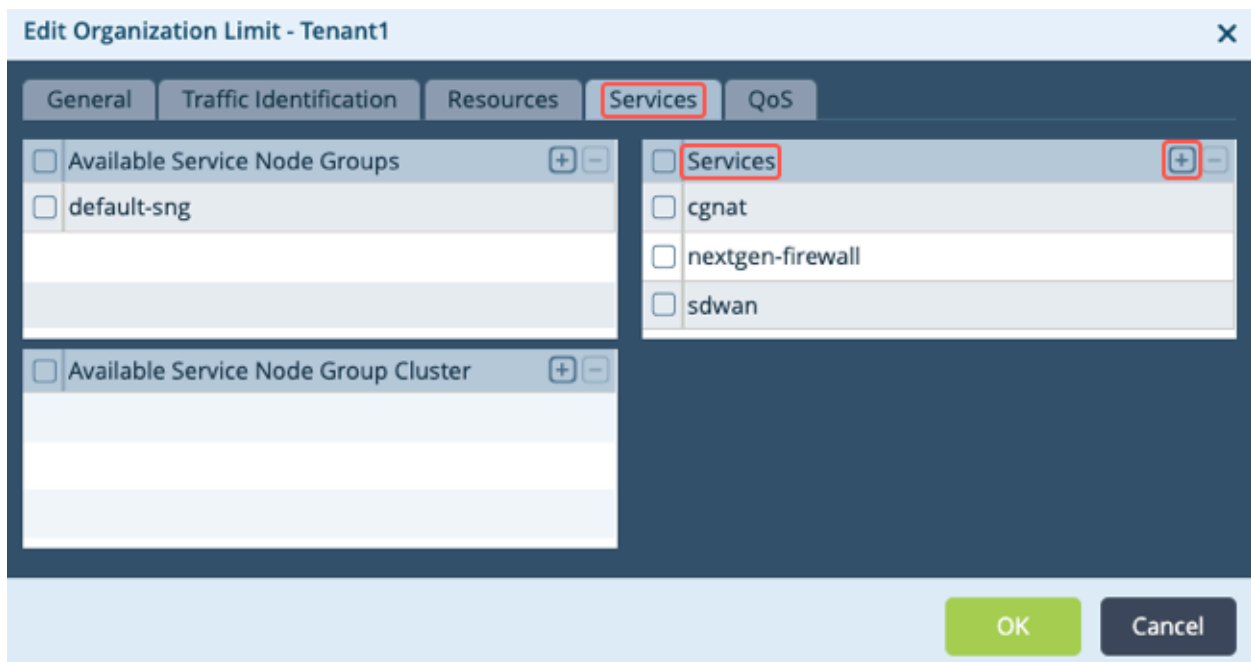
1. In Director view:
  - a. Select the Administration tab in the top menu bar.
  - b. Select Appliances in the left menu bar.
  - c. In the main pane, click the name of the VOS device. The view changes to Appliance view.

2. Select the Configuration tab in the top menu bar.
3. Select Others  > Organization > Limits in the left menu bar. The main pane displays the organizations that are already configured.



<input type="checkbox"/>	Organization Name	Appliance Owner	Enterprise Names	Services	Service Node Groups	Service Node Group Clus..
<input type="checkbox"/>	<a href="#">Tenant1</a>	False		cgnat nextgen-firewall sdwan	default-sng	
<input type="checkbox"/>	<a href="#">Tenant10</a>	False		sdwan	default-sng	
<input type="checkbox"/>	<a href="#">Tenant2</a>	False		cgnat sdwan	default-sng	
<input type="checkbox"/>	<a href="#">Tenant3</a>	False		sdwan	default-sng	
<input type="checkbox"/>	<a href="#">Tenant4</a>	False		sdwan	default-sng	

4. Click the name of the organization. The Edit Organization Limit popup window displays.
5. Select the Services tab.



Edit Organization Limit - Tenant1

General

Traffic Identification

Resources

Services

QoS

☐ Available Service Node Groups

default-sng

☐ Available Service Node Group Cluster

☐ Services


cgnat

nextgen-firewall

sdwan

OK



Cancel

6. In the Services table, click the  Add icon and select ADC.
7. Click OK.
8. Refresh the browser window.

## Configure ADC Servers

An ADC server specifies the IP address, port, and protocol of a receiving node. The ADC uses the ADC server information to determine the receiving node on which to map an incoming TCP or UDP connection. For the ADC server, you can configure a monitor that the ADC uses to determine the reachability of the receiving node.

To configure an ADC server:

1. In Director view:
  - a. Select the Administration tab in the top menu bar.
  - b. Select Appliances in the left menu bar.
  - c. Select the VOS device on which you want to configure the ADC server in the main pane. The view changes to Appliance view.
2. Select the Configuration tab in the top menu bar.
3. Select Services  in the left menu bar.
4. Select the organization in the Organization field in the horizontal menu bar.
5. Select ADC  > Local Load Balancer > Server in the left menu bar. The main pane displays the ADC servers that are already configured.

The screenshot shows the AWS CloudFormation console interface. The top navigation bar includes tabs for Monitor, Analytics, Configuration (selected), and Administration. Below the navigation bar, there's a header section with "Home", "SDWAN-Controller1", and "Organization: provider-org". A search bar is present on the right.

On the left side, there's a sidebar menu with various resources listed under different categories:

- ADC**
  - Local Load Balancing
  - Server** (highlighted)
  - Server Pools
  - Virtual Service
- Monitors**
- Profiles**
- IPsec**
- SDWAN**
- Web Proxy**

The main content area displays a table of resources. The table has columns: Name, IP Address, Port, Server, Routing Instance, and Monitors. Two rows are visible:

Name	IP Address	Port	Server	Routing Instance	Monitors
LFF-Collector-ANALYTICS-C1	192.168.100.3	1234	[icon]	provider-org-Control-VR	
LFF-Collector-ANALYTICS-C2	192.168.100.4	1234	[icon]	provider-org-Control-VR	

Below the table, there are several empty rows, indicating more resources might exist or it's a placeholder for additional data.

- Click the  Add icon to define an ADC server, or click the name of an existing server to edit it. In the Add/Edit Server popup window, enter information for the following fields.

Edit Server - LEF-Collector-ANALYTICS-C1

Name\*

LEF-Collector-ANALYTICS-C1

Description

Tags

Type\*

Any

☐ Disable Server

IP Address\*

192.168.100.3

Port\*

1234

Routing Instance

provider-org-Control-VR

Availability Requirement

Monitors

Available

Add All

Search

Selected

Remove All

Search

OK

Cancel

Field	Description
Name (Required)	Enter a name for the ADC server.
Description	Enter a text description for the server.
Tags	Enter a text string or phrase to associate with the server name. Tags allow you to locate a name when you perform a filtered search of all names.
Type (Required)	<p>Select the protocol to use for the connection between the ADC and the receiving node:</p> <ul style="list-style-type: none"> <li>◦ Any</li> <li>◦ TCP</li> <li>◦ UDP</li> </ul>
Disable Server	Select to disable the server configuration after you configure it.
IP Address (Required)	Enter the IP address of the receiving node. For Analytics log collector nodes, this is normally the southbound IP address of the Analytics node.
Port (Required)	Enter the port number on which the receiving node listens for connections.
Routing Instance	Select the routing instance to use to reach the ADC server.
Availability Requirement	Enter the availability requirement. Currently, this field is not supported.
Monitors (Table)	Select one or more monitors to attach to the ADC server. If you do not attach a monitor, the ICMP monitor is attached by default. For more information, see <a href="#">Configure an ADC Server Monitor</a> , below.
◦ Available	Select a monitor. Click Add All to select all monitors.
◦ Selected	Displays the selected monitors. Click X to remove an individual monitor, or click Remove All to remove all monitors.

7. Click OK.



---

## Configure ADC Server Pools

An ADC server pool consists of a list of ADC servers, called *members*. You use ADC server pools when you configure an ADC service, as described in [Configure an ADC Service](#), below. If the pool contains more than one member, incoming connections accepted by the ADC service are mapped to the members using the configured load-balancing algorithm. If a member becomes inoperative, the ADC service automatically redirects any currently mapped connections to operating members of the pool. The ADC service monitors attached to the members determine their operational status.




When using a weighted algorithm, such as weighted round-robin, you assign an integer value, called the *ratio*, to each pool member. The ADC service uses the ratio to determine the number of connections to map to each member. For example, if an ADC server pool contains the following members:

- Server 1, with ratio 1
- Server 2, with ratio 4
- Server 3, with ratio 3

Then, an ADC service using the pool maps each set of 8 connections as follows:

- One connection is mapped to Server 1
- Four connections are mapped to Server 2
- Three connections are mapped to Server 3

To configure an ADC server pool:

1. In Director view:
  - a. Select the Administration tab in the top menu bar.
  - b. Select Appliances in the left menu bar.
  - c. Select the VOS device on which you want to configure the ADC server pool in the main pane. The view changes to Appliance view.
2. Select the Configuration tab in the top menu bar.
3. Select Services  in the left menu bar.
4. Select the organization in the Organization field in the horizontal menu bar.
5. Select ADC  > Local Load Balancer > Server Pools in the left menu bar.
6. Click the  Add icon to add a server pool, or click the name of an existing server pool to edit it. In the Add/Edit Server Pool popup window, enter information for the following fields.

Add Server Pool
✕

Name \*

Description
Tags

Availability Requirement
Type \*

Load Balancing Algorithm

Member

Name \*

Pricing

Ratio

Disable

0..255

0..100

☐



+

No member added

OK

Cancel

Field	Description
Name (Required)	Enter a name for the server pool.
Description	Enter a text description for the server pool.
Tags	Enter a text string or phrase to associate with the server pool name. Tags allow you to locate a name when you perform a filtered search of all names.
Availability Requirement	(For Releases 22.1.1 and later.) Enter the minimum number of available ADC servers required for the server pool to be marked as Up. ADC server availability is determined by its attached ADC monitor.
Type (Required)	Select the protocol to use for the connection: <ul style="list-style-type: none"> <li>Any</li> <li>TCP</li> <li>UDP</li> </ul>
Load-Balancing Algorithm	Select an algorithm to use to distribute the

Field	Description
	<p>connections:</p> <ul style="list-style-type: none"> <li>◦ Destination IP hash</li> <li>◦ IP hash</li> <li>◦ Least connections</li> <li>◦ Least response time</li> <li>◦ Round robin</li> <li>◦ Source IP hash</li> <li>◦ Weighted least connections</li> <li>◦ Weighted least response time</li> <li>◦ Weighted round-robin</li> </ul> <p><i>Default:</i> Round robin</p>
Availability Requirement	Enter the availability requirement.
Member (Table)	Select the servers to include in the ADC server pool.
◦ Name	Select the ADC server.
◦ Pricing	Enter the pricing value for the pool member.
◦ Ratio	<p>Enter the ratio for the server as an integer value.</p> <p><i>Range:</i> 1 through 999</p> <p><i>Default:</i> 1</p>
◦ Disable	Click to disable the ADC server after you configure it.
◦  Add icon	Click the  Add icon to add the ADC server to the pool.




7. Click OK.

## Configure an ADC Service

To configure an ADC service, you define an ADC service tuple on which to listen for TCP or UDP connections. You can

also choose a default pool and a backup pool for the ADC service to use. The ADC service distributes incoming connections among the members of these pools.

To configure an ADC service:

1. In Director view:
  - a. Select the Administration tab in the top menu bar.
  - b. Select Appliances in the left menu bar.
  - c. Select the VOS device on which you want to configure the ADC in the main pane. The view changes to Appliance view.
2. Select the Configuration tab in the top menu bar.
3. Select Services  in the left menu bar.
4. Select the organization in the Organization field in the horizontal menu bar.
5. Select ADC  > Local Load Balancer > Virtual Service in the left menu bar.
6. Click the  Add icon to add an ADC service, or click the name of an existing service to edit it. The Edit/Add Virtual Service popup window displays.
7. Select the General tab, and enter information for the following fields.

Edit Virtual Service - VAN-VIP

General
Attributes
Profile

Name\*
VAN-VIP

Description

Tags

Type\*
Any
☐ Disable Virtual Service

IP Address\*
10.1.64.1
Port\*
1234

Default Pool\*
VAN-Pool
Backup Pool
--Select--

☐ Fallback to Active

OK
Cancel

Field	Description
Name (Required)	Enter a name for the ADC service.
Description	Enter a description of the ADC service.
Tags	Enter a text string or phrase to associate with the ADC service. Tags allow you to locate a service when you perform a filtered search of all services.
Type (Required)	Select the protocol for the ADC service: <ul style="list-style-type: none"> <li>Any</li> <li>TCP</li> <li>UDP</li> </ul>
Disable Virtual Service	Click to disable the service after you configure it.

Field	Description
IP Address (Required)	Enter the IP address of the ADC service.
Port (Required)	Enter the port number used for the ADC service.
Default Pool (Required)	Select the default server pool to which to distribute new connections.
Backup Pool	Select the backup server pool to which to distribute new connections when the default pool is unavailable.
Fallback to Active	Click so that when the default pool comes back up, all the connections from the backup pool gradually switch back to the default pool.

8. Select the Attributes tab, and enter information for the following fields.

Field	Description
NAT (Group of Fields)	Select the NAT to use when packets traverse to the receiving node.
<ul style="list-style-type: none"> <li>Interface NAT</li> </ul>	Click to use interface NAT. This is the default.

Field	Description
◦ SNAT Pool	Click, and select the SNAT pool to use.
◦ No SNAT	Click to perform no source NATing.
Routing Instance	Select the routing instance to which the ADC service belongs.
Provider Organization	Select the provider organization to which the ADC service belongs.
LEF Profile	Select the LEF profile to use for the ADC service. ADC logs are sent to the active collector of the LEF profile.
Default Profile	Click to use the default LEF profile instead of selecting a LEF profile. For more information, see <a href="#">Configure a LEF Profile in Configure Log Export Functionality</a> .
MAC Tracking	Click to track the MAC address.
Direct Server Return	Click to permit the server (pool member) to respond directly to the client (initiating process). By default, the connection between the initiating process and the pool member uses the ADC as an intermediary in both directions. Configure direct server return to allow the pool member to respond directly to the client that initiated the connection.
DSCP	Enter the DSCP value.

## Configure an ADC Server Monitor

You can configure a monitor to probe the status of an ADC server. You can configure either an ICMP or TCP probe. An ICMP probe determines if an ADC server responds to ICMP packets, but cannot determine if a specific TCP port is operational. A TCP probe determines if an ADC server responds to packets for a specific TCP port number, called an *alias service port number* during configuration.




To configure an ADC monitor:

1. In Director view, select the Administration tab in the top menu bar.
2. Select Appliances in the left menu bar.
3. Select the VOS device on which you want to configure the ADC monitor in the main pane. The view changes to Appliance view.
4. Select the Configuration tab in the top menu bar.

[https://docs.versa-networks.com/Secure\\_SD-WAN/01\\_Configuration\\_from\\_Director/Common\\_Configuration/Configure\\_Applic...](https://docs.versa-networks.com/Secure_SD-WAN/01_Configuration_from_Director/Common_Configuration/Configure_Applic...)

Updated: Wed, 23 Oct 2024 08:27:52 GMT

Copyright © 2024, Versa Networks, Inc.

- 5. Select Services  in the left menu bar.
- 6. Select the organization in the Organization field in the horizontal menu bar.
- 7. Select ADC  > Monitors in the left menu bar.
- 8. Click the  Add icon to add a monitor, or click the name of an existing monitor to edit it. The Add/Edit Monitor popup window displays.
- 9. Select the General tab, and enter information for the following fields.

Add Monitor

General

Name\*

Description

Tags

Types\*

ICMP

Alias Address

Interval (sec)

5

Max Retries

5

Timeout (sec)

3

Down Time (sec)

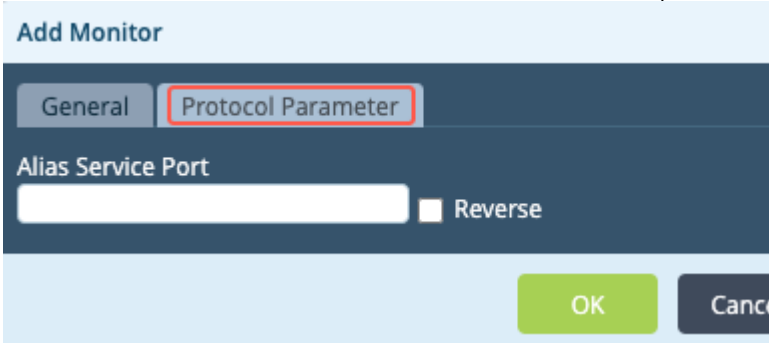
30

OK

Cancel

Field	Description
Name (Required)	Enter a name for the monitor.
Description	Enter a text description for the monitor.
Tags	Enter a text string or phrase to associate with the monitor. Tags allow you to locate a monitor when you perform a filtered search of all monitors.
Types (Required)	Select a protocol:



Field	Description
	<ul style="list-style-type: none"> <li>◦ ICMP</li> <li>◦ TCP</li> </ul> <p>If you select TCP, the Protocol Parameter tab displays.</p>  <p>Select the Protocol Parameter tab, and then enter a number in the Alias Service Port field. Then, select the General tab.</p>
Alias Address	Enter an alternate destination IP address for the monitor.
Interval	<p>Enter the frequency at which to send monitor probes.</p> <p><i>Range:</i> 0 through 65535 seconds  <i>Default:</i> 5 seconds</p>
Maximum Retries	<p>Enter the number of times to retry sending a probe before marking a service as down.</p> <p><i>Range:</i> 0 through 255  <i>Default:</i> 5</p>
Timeout	<p>Enter the timeout for monitor probe.</p> <p><i>Range:</i> 0 through 65535 seconds  <i>Default:</i> 3 seconds</p>

Field	Description
Down Time	<p>Enter how long to wait before probing a failed service. This is the minimum time the service is considered down. Configuring a down time duration can help to avoid flapping.</p> <p><i>Range:</i> 0 to 65535 seconds <i>Default:</i> 30 seconds</p>

## Monitor an ADC

You can monitor the ADC from the Monitor tab for the VOS device on which the ADC is configured.

To display status and statistics for an ADC:

- In Director view:
  - Select the Monitor tab in the top menu bar.
  - Select the provider organization in the left menu bar.
  - Select the Devices tab in the horizontal menu bar.
  - Click the name of the VOS device containing the ADC. The view changes to Appliance view.
- Select the Services tab in the horizontal menu bar
- In the Services table, select ADC. The following screen displays.

Vservice Name	Type	Address	Port	Routing Instance
VAN-VIP	any	10.20.64.1	1234	provider-org-Control-VR

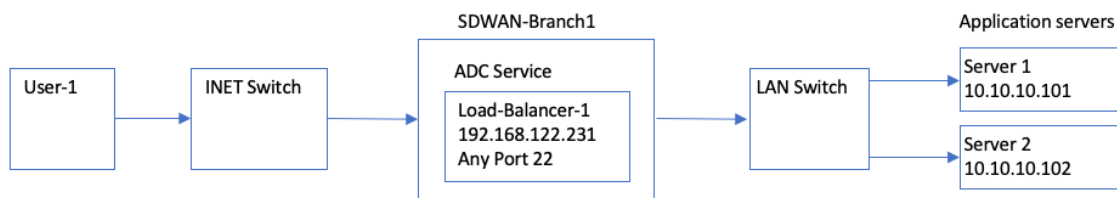
- Select the Load Balancer, Monitor, Server, SSL Proxy, or Virtual Service tab to view status information and statistics about these components of the ADC.

---

## Example: Configure an ADC

This section provides an example of configuring an ADC on a VOS device to distribute TCP connections to a set of internal application servers. The example uses two application servers and assigns load-balancing ratios 1 and 2 to the first and second servers, respectively, so that the ADC maps two connections to the second server for each connection it maps to the first server. For simplicity, the example uses TCP port 22, the port used by SSH, to listen for incoming connections on the ADC and when mapping the connections to the application servers. You can use SSH to log in to the ADC service IP address, here, 192.168.122.231, to test that the ADC service is working. The ADC service maps the SSH login session to one of the two application servers.

The following diagram illustrates the example configuration.




The example uses the following components:

- SDWAN-Branch1—VOS device containing the ADC
- default-sng—Service node group configured with the ADC as an available service
- Tenant1—Organization configured to use the ADC
- Tenant1-LAN-VR—Routing instance that the ADC servers use
- Server1—ADC server name for the first application server, which is assigned a load-balancing ratio of 1
- Server2—ADC server name for the second application server, which is assigned a load-balancing ratio of 2
- Server-Pool-1—ADC server pool containing Server1 and Server2
- Load-Balancer-1—ADC service that maps connections to the servers in Server-Pool-1
- INET-Transport-VR—Routing instance that the ADC service uses to listen for connections

Before configuring ADC service Load-Balancer-1 on device SDWAN-Branch1, you first enable the ADC for service node group default-sng and then you enable the ADC for Tenant1. Then, the ADC item displays within the configuration menus and allows you to configure the ADC service.

To enable the ADC for service group default-sng on VOS device SDWAN-Branch1:

1. In Director view, select the Administration tab in the top menu bar.
2. Select Appliances in the left menu bar.
3. Click SDWAN-Branch1 in the main pane. The view changes to Appliance view.
4. Select the Configuration tab in the top menu bar.

5. Select Others  > Service Nodes > Service Node Groups in the left menu bar.
6. In the main pane, click default-sng. The Edit Service Node Group popup window displays.

Edit Service Node Group - default-sng

Name \*

default-sng

Service Node Group ID \*

0

Description

Tags

Type

Internal

Elastic Policy

--Select--

Egress Interface

--Select--

Ingress Interface

--Select--

Service Function Egress Address

Service Function Ingress Address

Services \*

Available Services

Add All

Search

stateful-firewall

>

secure-access

>

Selected Services

Remove All

Search

adc

x

cgnat

x

nextgen-firewall

x

ipsec

x

tdf

x

sdwan

x


OK

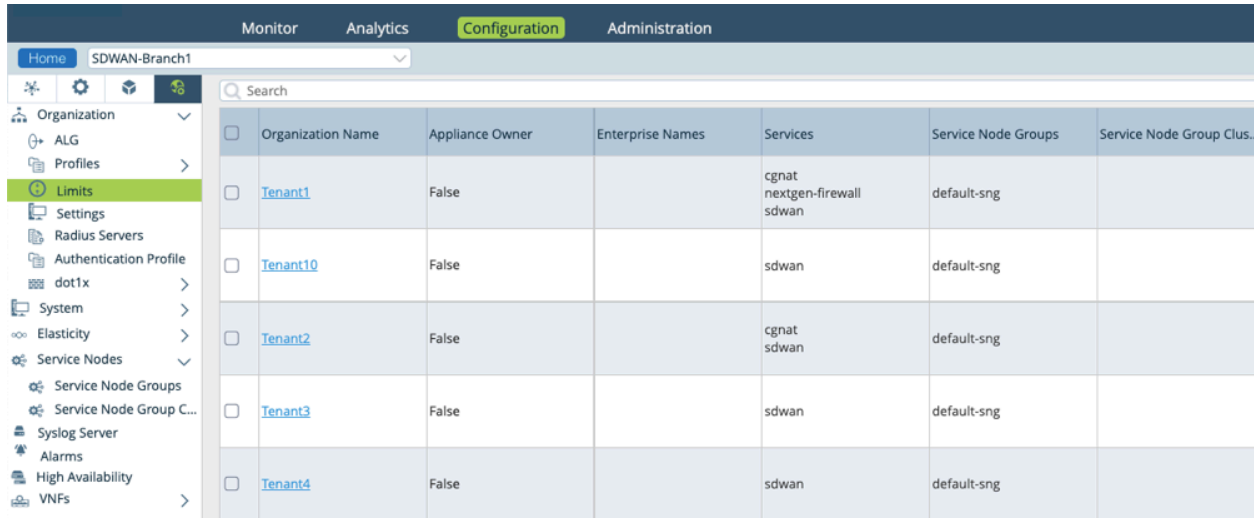
Cancel

7. Ensure that ADC displays in the Selected Services table. If it is not listed, click ADC in the Available Services table to move it to the Selected Services table.
8. Click OK.
9. Refresh the browser window.

To enable the ADC for organization Tenant1 on VOS device SDWAN-Branch1:

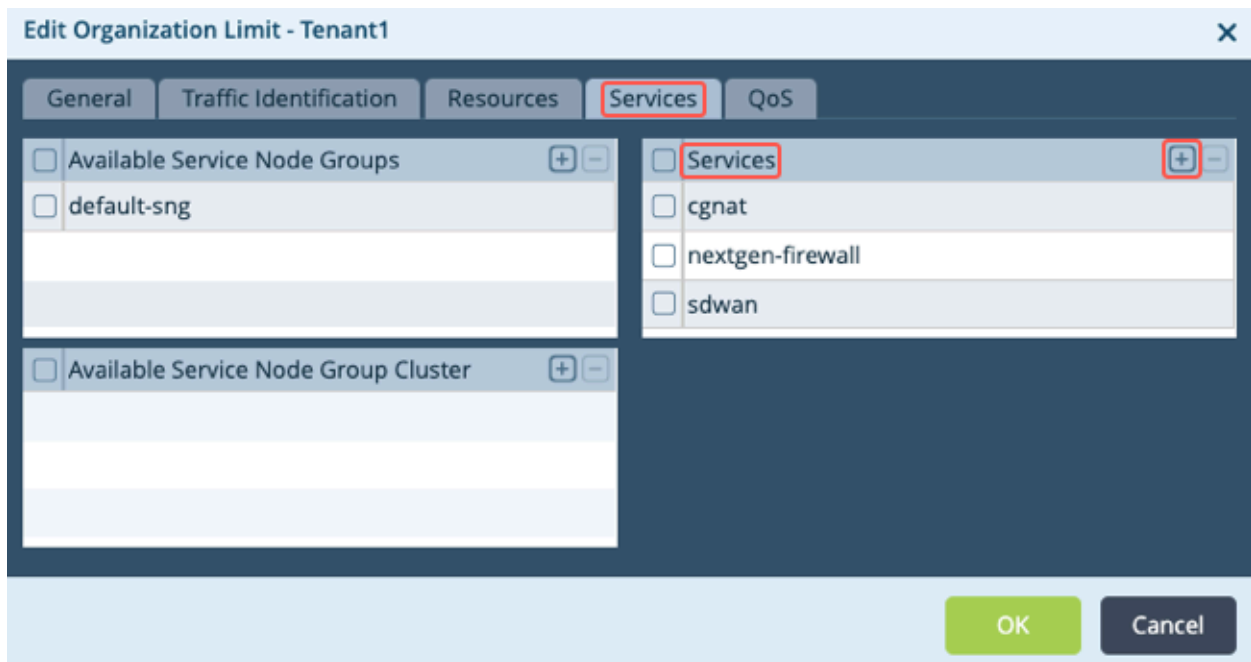
1. In Director view:

- a. Select the Administration tab in the top menu bar.
  - b. Select Appliances in the left menu bar.
  - c. Select SDWAN-Branch1 in the main pane. The view changes to Appliance view.
2. Select the Configuration tab in the top menu bar.
  3. Select Others  > Organization > Limits in the left menu bar. The main pane displays the organizations that are already configured.



Organization Name	Appliance Owner	Enterprise Names	Services	Service Node Groups	Service Node Group Clus.
<input type="checkbox"/> Tenant1	False		cgnat nextgen-firewall sdwan	default-sng	
<input type="checkbox"/> Tenant10	False		sdwan	default-sng	
<input type="checkbox"/> Tenant2	False		cgnat sdwan	default-sng	
<input type="checkbox"/> Tenant3	False		sdwan	default-sng	
<input type="checkbox"/> Tenant4	False		sdwan	default-sng	

4. In the main pane, click Tenant1. The Edit Organization Limit popup screen displays.
5. Select the Services tab.



Edit Organization Limit - Tenant1

General
Traffic Identification
Resources
**Services**
QoS

☐ Available Service Node Groups

+

-

☐ default-sng

☐ Available Service Node Group Cluster

+

-

☐ **Services**

+


-

☐ cgnat



☐ nextgen-firewall

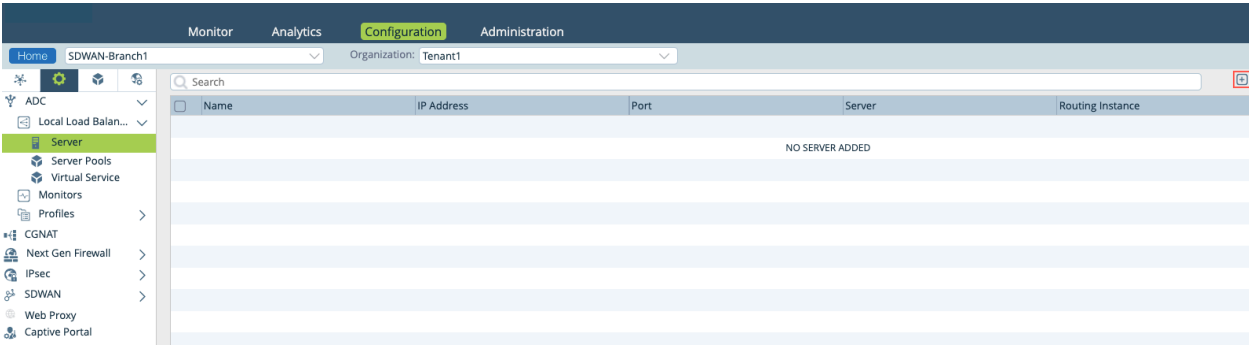
☐ sdwan


OK
Cancel

- 6. In the Services table, click the  Add icon and then select ADC.
- 7. Click OK.
- 8. Refresh the browser window.

To configure ADC servers Server1 and Server2:

- 1. Select Services  > ADC  > Local Load Balancer > Server in the left menu bar.



- 2. Click the  Add icon. In the Add Server popup window, enter the values listed in the following table.

Add Server

Name \*

Description

Tags

Type \*

Any

☐ Disable Server

IP Address \*

Port \*

Routing Instance

--Select--

Availability Requirement

Monitors

Available
Add All

Search


Selected
Remove All

Search

OK
Cancel

Field	Value
Name	Server1
Type	Any
IP Address	10.10.10.101
Port	22
Routing Instance	Tenant1-LAN-VR




3. Click OK to add Server1.

4. Click the  Add icon again. Enter the values listed in the following table.

Field	Value
Name	Server2
Type	Any
IP Address	10.10.10.102
Port	22
Routing Instance	Tenant1-LAN-VR

5. Click OK to add Server2.

To configure ADC server pool Server-Pool-1:

1. Select Services  > ADC  > Local Load Balancer > Server Pools in the left menu bar.
2. Click the  Add icon. In the Add Server Pool popup window, enter the values listed in the following table.



Add Server Pool

Name\*

Server-Pool-1

Description

13/127

Tags

Type\*

Any

Load Balancing Algorithm

Round Robin





Member

1

Name*	Pricing	Ratio	Disable	
--Select--			<input type="checkbox"/>	+
NO MEMBER ADDED				




OK

Cancel

Field	Value
Name	Server-Pool-1
Type	Any
Load-Balancer Algorithm	Weighted Round Robin
Member (Group of Fields)	
◦ Name	Server1
◦ Ratio	1
◦  Add icon	Click the  Add icon to add Server1
◦ Name	Server2
◦ Ratio	2
◦  Add icon	Click the  Add icon to add Server2

3. Click OK.

To configure the ADC service:

1. Select Services  > ADC  > Local Load Balancer > Virtual Service in the left menu bar.
2. Click the  Add icon to add an ADC service. The Add Virtual Service popup window displays.
3. Select the General tab selected, and enter the values listed in the following table.

Add Virtual Service

General
Attributes
Profile

Name \*

Description

Tags

Type \*
--Select--
☐ Disable Virtual Service

IP Address \*
0.0.0.0
Port \*

Default Pool \*
--Select--
Backup Pool
--Select--

☐ Fallback to Active

OK
Cancel

Field	Value
Name	Load-Balancer-1
Type	Any
IP Address	192.168.122.231
Port	22
Default Pool	Server-Pool-1

- Select the Attributes tab, and in the Routing Instance field, select INET-Transport-VR.

**Add Virtual Service**

General **Attributes** Profile

**NAT**

☒ Interface NAT ☐ SNAT Pool ☐ No SNAT

--Select--

**Routing Instance** **Provider Org**

--Select-- --Select--

**LEF Profile**

--Select-- ☐ Default Profile ☐ MAC Tracking

**Direct Server Return** **DSCP**

--Select--

OK Cancel

5. Click OK.

To verify the example configuration, initiate an SSH session using the ADC service IP address, 192.168.122.231. The ADC service maps the SSH session to either Server1 or Server2.

```
$ ssh 192.168.122.231
$ hostname
Server1
```

## Supported Software Information

Releases 20.2 and later support all content described in this article, except:

- Release 22.1.1 adds support for availability requirement for ADC server pools.

## Additional Information

[Configure Log Export Functionality](#)

[Configure Organization Limits](#)

[Configure Service Node Groups](#)

[Versa Analytics Configuration Concepts](#)