

## View VOS Subscription Information

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

Licensing authorizes you to use Versa products and applications legally. Each Versa license is associated with a single Versa Operating System™ (VOS™) CPE instance, and the license entitles the VOS instance to use the features provided in a solution tier and a bandwidth tier. Each license is provided by subscription that is valid for a specific lifetime.

This article describes how to display subscription and other license-related information about VOS CPE devices.

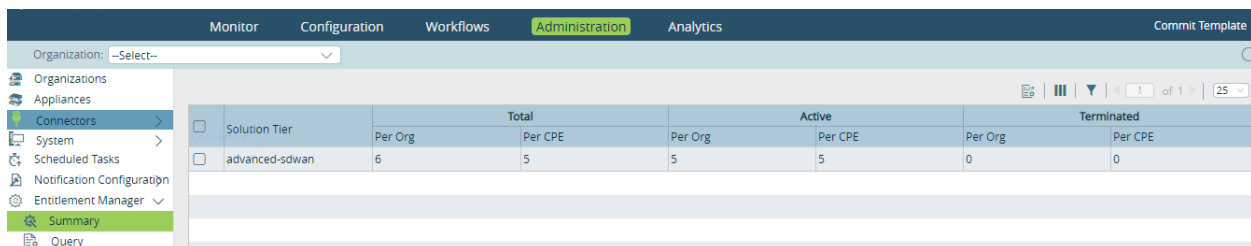
## View the Entitlement Summary

The entitlement summary report provides information about the number of CPEs and devices in a solution tier. An entitlement summary report includes the appliance name and the solution tiers associated with the appliance, and the number of licenses in each license state.

To view the entitlement summary report:

1. In Director view, select the Administration tab in the top menu bar.
2. Select Entitlement Manager > Summary in the left menu bar.
3. To view the entitlement summary for a organization, select the organization name in the horizontal menu bar. To view the entitlement summary for all organizations, select All. The main pane displays the license entitlement summary information, which includes the solution tier name, the total and active number of devices using the solution tier, the number of suspended devices for the solution tier (for Releases 21.1.0 and earlier) and the number of devices whose use of the solution tier has been terminated.

For Releases 21.1.1 and later:



		Total		Active		Terminated	
	Solution Tier	Per Org	Per CPE	Per Org	Per CPE	Per Org	Per CPE
<input type="checkbox"/>	advanced-sdwan	6	5	5	5	0	0

For Releases 21.1.0 and earlier:

The screenshot shows the 'Administration' tab in the Versa Director interface. On the left is a sidebar menu with options: Organizations, Appliances, Connectors, System, Notification Config..., Entitlement Manager, Summary (highlighted), and Query. The main area displays a table of entitlement records. The table has columns: Solution Tier, Total, Active, Suspended, Trial, and Terminated. There are four rows of data, each with a checkbox in the first column.

<input type="checkbox"/>	Solution Tier	Total	Active	Suspended	Trial	Terminated
<input type="checkbox"/>	advanced-sdwan-plus-utm	13	13	0	0	0
<input type="checkbox"/>	base-sdwan	20	2	0	18	0
<input type="checkbox"/>	advanced-sdwan	14	14	0	0	0
<input type="checkbox"/>	advanced-routing	7	7	0	0	0

To filter the entitlement records based on one or more custom parameters:

1. Click the  Filter icon. The Filter Records popup window displays.

The 'Filter Records' popup window has a title bar with a close button. Inside, there is a first row with a dropdown menu set to 'all' and a green '+' button. The second row contains three elements: a dropdown menu set to 'Total', a dropdown menu set to 'greater', and a text input field containing '0'. To the right of the text input is a dark grey '-' button. At the bottom right of the window are two buttons: a green 'Filter' button and a dark grey 'Reset' button.

2. In the drop-down in the first row, select All or Any.
3. In the first drop-down in the second row, select the name of the column on which to filter.
4. In the second drop-down in the second row, select the filter operator:
  - Equal
  - Not Equal
  - Begins with
  - Does not begin with
  - Ends with
  - Does not end with
  - Contains
  - Does not contain
  - Is null
  - Is not null
  - Is in
  - Is not in
5. In the third drop-down in the second row, enter a value on which to filter.
6. To add another filter record, click the Add icon.
7. To remove a filter record, click the - icon.
8. Click Filter.

9. To cancel the filter criteria and view all the records, click Reset.

## View the Entitlement Query

The entitlement query report shows each subscription event that has occurred for CPEs and devices. Each single report traces the life of a subscription.

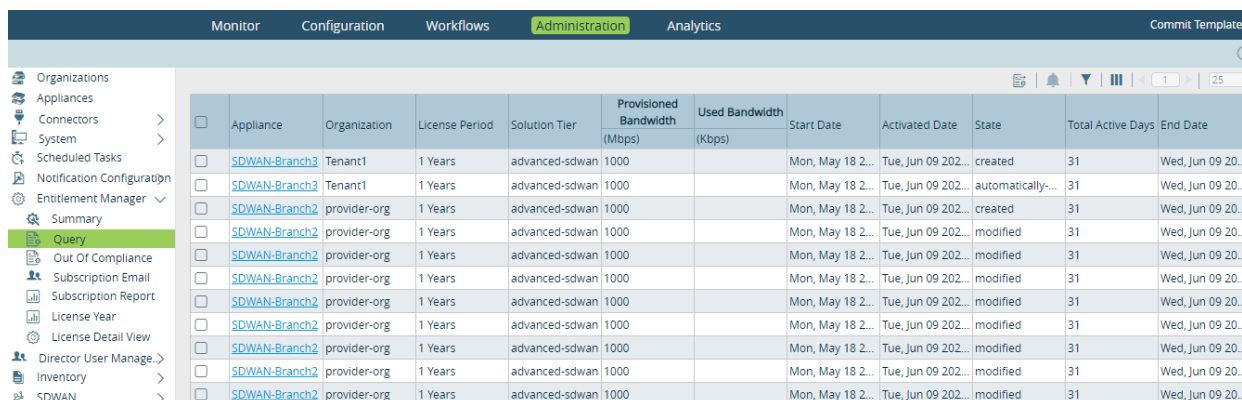
A query report provides the following information:

- Organization ID, organization name, and solution tier associated with a device
- Device subscription information, including license state and the time that the license state changed

To view the query report:

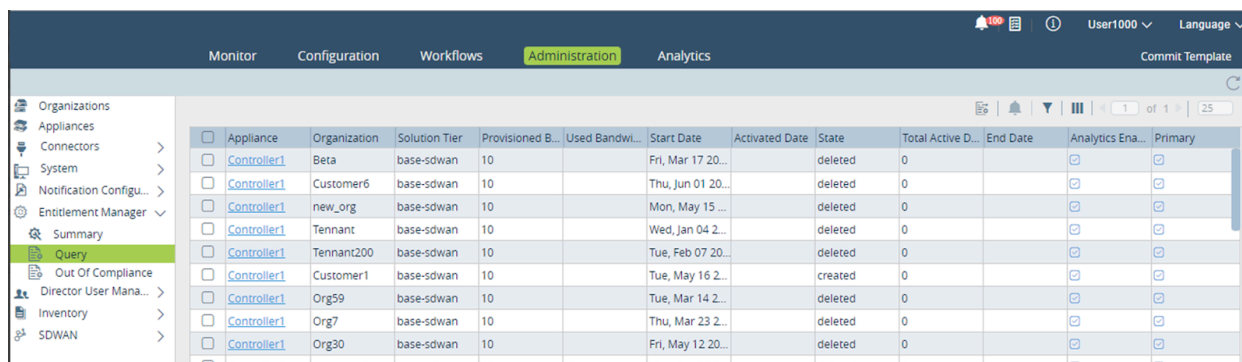
1. In Director view, select the Administration tab in the top menu bar.
2. Select Entitlement Manager > Query in the left menu bar. The main pane displays the entitlement query report.

For Releases 21.1.1 and later (displays CPE devices only):



	Appliance	Organization	License Period	Solution Tier	Provisioned Bandwidth (Mbps)	Used Bandwidth (Kbps)	Start Date	Activated Date	State	Total Active Days	End Date
<input type="checkbox"/>	SDWAN-Branch3	Tenant1	1 Years	advanced-sdwan	1000		Mon, May 18 2...	Tue, Jun 09 202...	created	31	Wed, Jun 09 20...
<input type="checkbox"/>	SDWAN-Branch3	Tenant1	1 Years	advanced-sdwan	1000		Mon, May 18 2...	Tue, Jun 09 202...	automatically...	31	Wed, Jun 09 20...
<input type="checkbox"/>	SDWAN-Branch2	provider-org	1 Years	advanced-sdwan	1000		Mon, May 18 2...	Tue, Jun 09 202...	created	31	Wed, Jun 09 20...
<input type="checkbox"/>	SDWAN-Branch2	provider-org	1 Years	advanced-sdwan	1000		Mon, May 18 2...	Tue, Jun 09 202...	modified	31	Wed, Jun 09 20...
<input type="checkbox"/>	SDWAN-Branch2	provider-org	1 Years	advanced-sdwan	1000		Mon, May 18 2...	Tue, Jun 09 202...	modified	31	Wed, Jun 09 20...
<input type="checkbox"/>	SDWAN-Branch2	provider-org	1 Years	advanced-sdwan	1000		Mon, May 18 2...	Tue, Jun 09 202...	modified	31	Wed, Jun 09 20...
<input type="checkbox"/>	SDWAN-Branch2	provider-org	1 Years	advanced-sdwan	1000		Mon, May 18 2...	Tue, Jun 09 202...	modified	31	Wed, Jun 09 20...
<input type="checkbox"/>	SDWAN-Branch2	provider-org	1 Years	advanced-sdwan	1000		Mon, May 18 2...	Tue, Jun 09 202...	modified	31	Wed, Jun 09 20...
<input type="checkbox"/>	SDWAN-Branch2	provider-org	1 Years	advanced-sdwan	1000		Mon, May 18 2...	Tue, Jun 09 202...	modified	31	Wed, Jun 09 20...
<input type="checkbox"/>	SDWAN-Branch2	provider-org	1 Years	advanced-sdwan	1000		Mon, May 18 2...	Tue, Jun 09 202...	modified	31	Wed, Jun 09 20...
<input type="checkbox"/>	SDWAN-Branch2	provider-org	1 Years	advanced-sdwan	1000		Mon, May 18 2...	Tue, Jun 09 202...	modified	31	Wed, Jun 09 20...

For Releases 21.1.0 and earlier (displays CPE and Controller devices):



	Appliance	Organization	Solution Tier	Provisioned B...	Used Bandwi...	Start Date	Activated Date	State	Total Active D...	End Date	Analytics Ena...	Primary
<input type="checkbox"/>	Controller1	Beta	base-sdwan	10		Fri, Mar 17 20...		deleted	0		<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	Controller1	Customer6	base-sdwan	10		Thu, Jun 01 20...		deleted	0		<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	Controller1	new_org	base-sdwan	10		Mon, May 15 ...		deleted	0		<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	Controller1	Tennant	base-sdwan	10		Wed, Jan 04 2...		deleted	0		<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	Controller1	Tennant200	base-sdwan	10		Tue, Feb 07 20...		deleted	0		<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	Controller1	Customer1	base-sdwan	10		Tue, May 16 2...		created	0		<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	Controller1	Org59	base-sdwan	10		Tue, Mar 14 2...		deleted	0		<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	Controller1	Org7	base-sdwan	10		Thu, Mar 23 2...		deleted	0		<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	Controller1	Org30	base-sdwan	10		Fri, May 12 20...		deleted	0		<input type="checkbox"/>	<input type="checkbox"/>
<input type="checkbox"/>	Controller1	Customer2	base-sdwan	10		Mon, Jun 26 2...		deleted	0		<input type="checkbox"/>	<input type="checkbox"/>

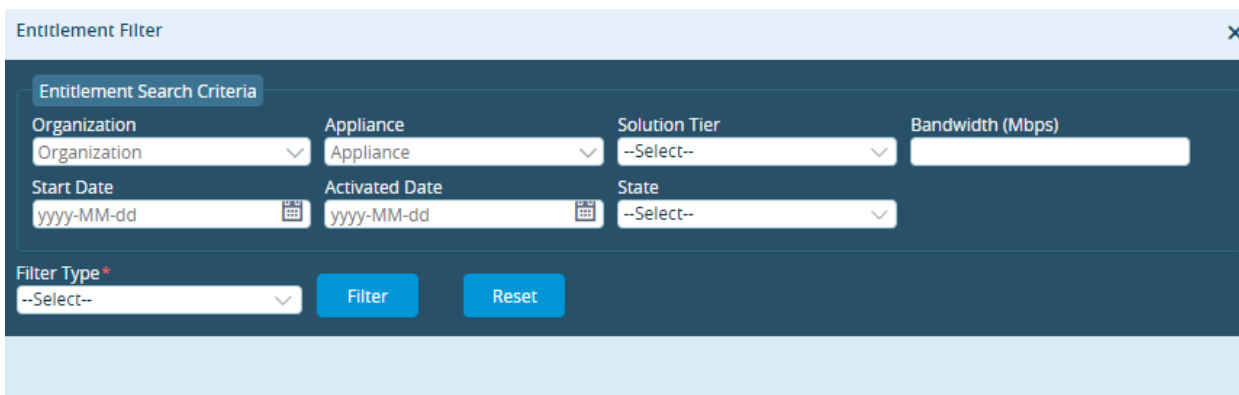
To filter the query records based on one or more subscription parameters:

[https://docs.versa-networks.com/Management\\_and\\_Orchestration/Versa\\_Director/Configuration/View\\_VOS\\_Subscription\\_Inf...](https://docs.versa-networks.com/Management_and_Orchestration/Versa_Director/Configuration/View_VOS_Subscription_Inf...)

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1. Click the  Filter icon. In the Entitlement Filter popup window, enter information for the following fields.



The image shows a screenshot of the 'Entitlement Filter' popup window. It has a title bar with 'Entitlement Filter' and a close button. Below the title bar is a section titled 'Entitlement Search Criteria'. This section contains several input fields: 'Organization' (a dropdown menu), 'Appliance' (a dropdown menu), 'Solution Tier' (a dropdown menu with '--Select--' as the placeholder), 'Bandwidth (Mbps)' (a text input field), 'Start Date' (a date picker with 'yyyy-MM-dd' as the placeholder), 'Activated Date' (a date picker with 'yyyy-MM-dd' as the placeholder), and 'State' (a dropdown menu with '--Select--' as the placeholder). Below these fields is a 'Filter Type' dropdown menu with '--Select--' as the placeholder. At the bottom of the search criteria section are two buttons: 'Filter' and 'Reset'.

Field	Description
Organization	Select the organization name.
Appliance	Select the CPE device.
Solution Tier	Select the solution tier.
Bandwidth	Enter the solution tier bandwidth .
Start Date	Select the starting date for reporting records.
Activated Date	Select the date when the CPE device was activated.
State	Select the state of the CPE device: <ul style="list-style-type: none"> <li>◦ Activated</li> <li>◦ Created</li> <li>◦ Deleted</li> <li>◦ Terminated</li> </ul>
Filter Type	Select the operator to use between the Start Date and Activated Date to fetch the subscription record: <ul style="list-style-type: none"> <li>◦ And</li> <li>◦ Or</li> </ul>

2. Click Filter.
3. To cancel the filter criteria and view all the records, click Reset.

## View the Entitlement Query for a Device and User

To view an entitlement query for a specific CPE device, including the changes that have occurred to the subscription plan:

1. In Director view, select the Administration tab in the top menu bar.
2. Select Entitlement Manager > Query in the left menu bar. The main pane displays the entitlement query report.
3. Click the name of a device in the main pane.
4. Go to Administration > Entitlement Manager > Query to view the subscription details of an appliance across the organization.
5. Select an appliance from the dashboard and click on it to view its entitlement details.
  - The User column displays the name of the user who made the change to the subscription.
  - The Used Bandwidth column in the Usage table displays the monthly bandwidth usage for the device's tenants. The bandwidth is measured using the 95th percentile burstable billing method. For more information, see [Bandwidth Measurement and Metering](#).

For Releases 21.1.1 and later:

SDWAN-Branch3 : Tenant1

Org UUID : 5aa55d1e-8949-450d-83c2-128f065fee3a  
Appliance UUID : ed275046-97f9-40fb-b660-28fe6c1bbcc3

Change Time	State	Entitled Bandwidth (Mbps)	Solution Tier	User
Mon, May 18 2020, 06:24	created	1000	advanced-sdwan	System
Tue, Jun 09 2020, 05:21	automatically-activated	1000	advanced-sdwan	system

Usage

Total Active Days : 31  
Total Inactive Days : 0  
Out Of Compliance : NO

Device Name	Month	Year	Org Name	Used bandwidth (Kbps)
SDWAN-Branch3	May	2020	Tenant1	-1
SDWAN-Branch3	June	2020	Tenant1	-1

Current Usage(Kbps) : -  

Fetch

For Releases 21.1.0 and earlier:

Controller1 :

Org UUID : 02aab34a-ab65-48b5-9692-fb4cc47c0202

Appliance UUID : b9e1c721-d9b3-4247-8932-9c1fca20bbc5

Change Time	State	Entitled Bandwidth (Mbps)	Solution Tier	User
Fri, Mar 17 2017, 00:44	created	10	base-sdwan	
Mon, Mar 20 2017, 15:11	deleted			

Usage

Total Active Days : 0

Total Inactive Days : 0

Total Suspended Days : 0

Out Of Compliance : YES

Device Name	Month	Year	Org Name	Used bandwidth (kbps)
Controller1	September	2017	Beta	0
Controller1	October	2017	Beta	0
Controller1	November	2017	Beta	-1

Current Usage(KBPS) : 0

Fetch

- Click Fetch to retrieve the subscription details.

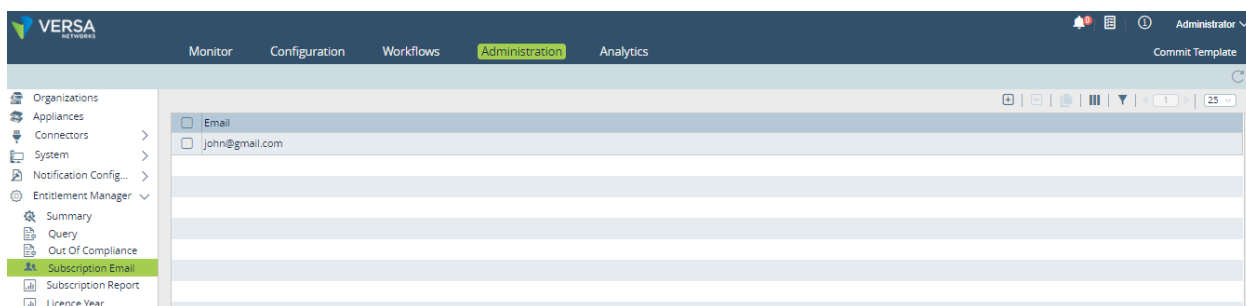
## Email Subscription Reports

*For Releases 20.2 and later.*

Subscription reports are generated on the first three days of each month. After the reports are generated, you can email them.

To email reports:


- In Director view, select the Administration tab in the top menu bar.
- Select Entitlement Manager > Subscription Email in the left menu bar. The main pane displays the email addresses that are already configured.



[https://docs.versa-networks.com/Management\\_and\\_Orchestration/Versa\\_Director/Configuration/View\\_VOS\\_Subscription\\_Inf...](https://docs.versa-networks.com/Management_and_Orchestration/Versa_Director/Configuration/View_VOS_Subscription_Inf...)

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3. Click the  Add icon.
4. In the Add Subscription Email popup window, enter the email address.



The image shows a 'Add Subscription Email' popup window. It has a title bar with a close button (X). Below the title bar is a dark blue header with the text 'Email ID'. Underneath is a white text input field containing the email address 'john@gmail.com'. At the bottom right of the window are two buttons: a green 'OK' button and a dark blue 'Cancel' button.

5. Click OK.

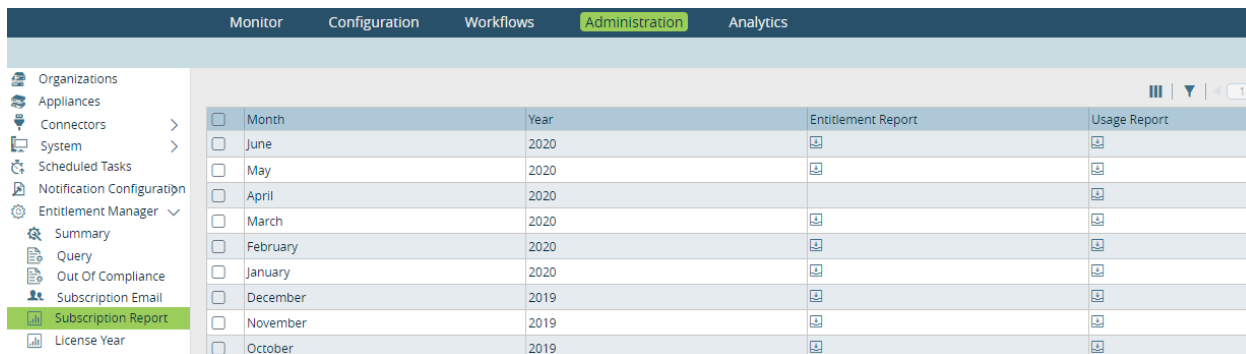
## View the Entitlement Subscription Report

*For Releases 20.2 and later.*



















The entitlement subscription report identifies chargeable events that have occurred in the period between the last report and the current report. You can use it to generate invoices.

To view the entitlement subscription report:

1. In Director view, select the Administration tab in the top menu bar
2. Select Entitlement Manager > Subscription Report in the left menu bar. The main pane displays the entitlement subscription report.



The screenshot shows the Versa Director interface. The top navigation bar has tabs: Monitor, Configuration, Workflows, Administration (highlighted in green), and Analytics. On the left, the 'Entitlement Manager' menu is expanded, showing options like Summary, Query, Out Of Compliance, Subscription Email, and Subscription Report (highlighted in green). The main pane displays a table with the following data:

Month	Year	Entitlement Report	Usage Report
<input type="checkbox"/> June	2020		
<input type="checkbox"/> May	2020		
<input type="checkbox"/> April	2020		
<input type="checkbox"/> March	2020		
<input type="checkbox"/> February	2020		
<input type="checkbox"/> January	2020		
<input type="checkbox"/> December	2019		
<input type="checkbox"/> November	2019		
<input type="checkbox"/> October	2019		

To filter the entitlement subscription record based on one or more parameters:

1. Click the  Filter icon. The Filter Records popup window displays.

The screenshot shows a 'Filter Records' window. It has a dark blue header with a close button. Below the header, there's a filter configuration area. The first row shows a dropdown menu set to 'all' and a green '+' button. The second row shows a dropdown menu set to 'Month', a filter operator dropdown set to 'equal', a text input field containing 'January', and a '-' button. At the bottom right, there are two buttons: 'Filter' (green) and 'Reset' (dark blue).

2. In the drop-down in the first row, select All or Any.
3. In the first drop-down in the second row, select the name of the column on which to filter.
4. In the second drop-down in the second row, select the filter operator:
  - Equal
  - Not Equal
  - Begins with
  - Does not begin with
  - Ends with
  - Does not end with
  - Contains
  - Does not contain
  - Is null
  - Is not null
  - Is in
  - Is not in
5. In the third drop-down in the second row, enter a value on which to filter.
6. To add another filter record, click the Add icon.
7. To remove a filter record, click the - icon.
8. Click Filter.
9. To cancel the filter criteria and view all the records, click Reset.

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## View and Update the License Year

*For Releases 20.2 and later.*

Versa Networks updates SD-WAN licenses every 18 to 24 months, and each group of licenses and license tiers has a license year associated with it. The license year indicates the year in which the license tier was published. The most recent license year is 2019, for the 2019 tier, and earlier years are 2016, 2017, and 2018.

To view and update the license year for a subscription:

1. In Director view, select the Administration tab in the top menu bar

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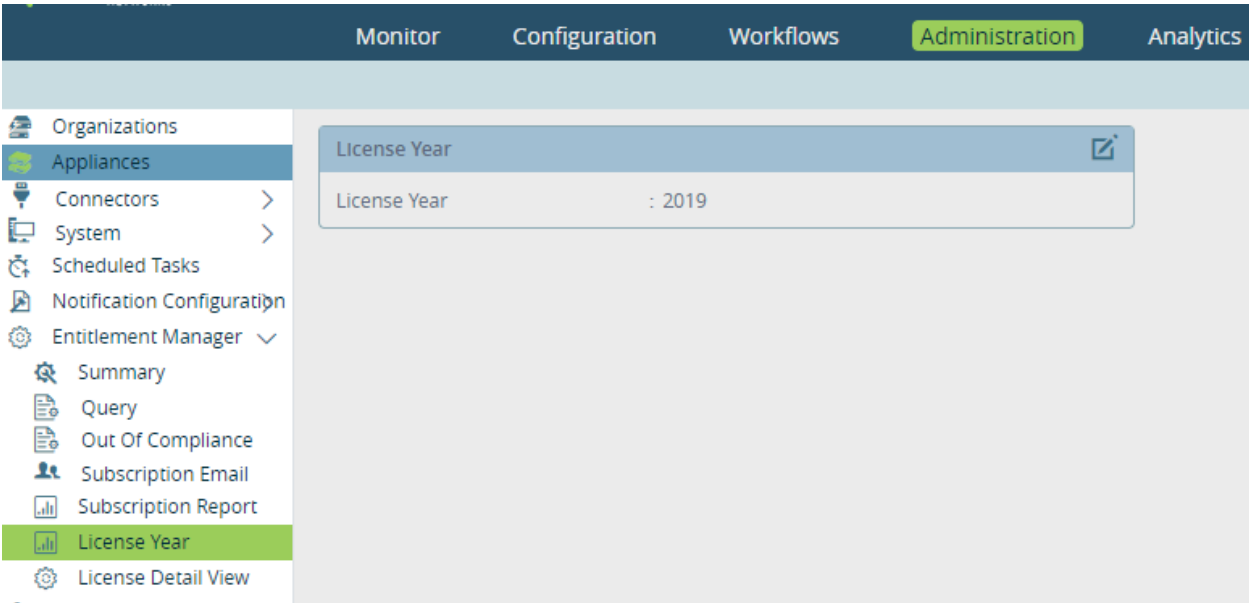
[https://docs.versa-networks.com/Management\\_and\\_Orchestration/Versa\\_Director/Configuration/View\\_VOS\\_Subscription\\_Inf...](https://docs.versa-networks.com/Management_and_Orchestration/Versa_Director/Configuration/View_VOS_Subscription_Inf...)

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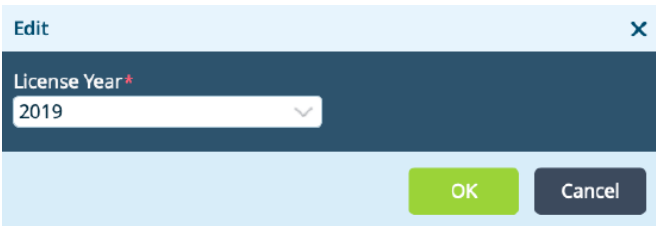
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- 2. Select Entitlement Manager > License Year in the left menu bar. The main pane displays the license year.



- 3. To update the license year, click the  Edit icon in the License Year pane.



- 4. In the License Year field, select the year.
- 5. Click OK.

## View License Details

*For Releases 21.1.1 and later.*

You can view details about a license so that you can determine how many licenses are active and how the licensing are being used. The license details displayed include the start and end dates, solution tier, bandwidth, location, and serial number.

To view license details:

- 1. In Director view, select the Administration tab in the top menu bar
- 2. Select Entitlement Manager > License Detail View in the left menu bar. The main pane displays the license for each appliance. The following table describes each of the fields.

Monitor	Configuration	Workflows	Administration	Analytics	Commit Template
Organizations	Appliances	Connectors	System	Scheduled Tasks	Notification Configuration
Entitlement Manager	Summary	Query	Out Of Compliance	Subscription Email	Subscription Report
License Year	License Detail View				

Name	Owner Organization	Start Date	End Date	Solution Tier	Bandwidth (Mbps)	Location Name	Serial Number
<input type="checkbox"/> Branch-1-Appliance...	Appliance-QA	Tue, Jun 16 2020, 08:50	Wed, Jun 16 2021, 08:...	Prime-Secure-SDWAN	5000	Bengaluru, IN	SR103
<input type="checkbox"/> Branch-2-Appliance...	Appliance-QA	Tue, Jun 16 2020, 09:00	Wed, Jun 16 2021, 09:...	Prime-Secure-SDWAN	2000	IN	SR104
<input type="checkbox"/> Router-Controller-Br...	Versa	Tue, May 05 2020, 18:...	Fri, May 28 2021, 05:57	Pro-Net	1000		Not Specified
<input type="checkbox"/> Branch-1-Director-QA	Director-QA	Mon, Jul 06 2020, 12:...	Tue, Jul 06 2021, 12:14	Premier-Elite-SDWAN	2000	Bengaluru, IN	SR105
<input type="checkbox"/> Router-Director-Cont...	Versa	Tue, May 05 2020, 18:...	Wed, Jul 07 2021, 08:27	Pro-Net	2000		Not Specified
<input type="checkbox"/> Branch-2-Director-QA	Director-QA	Fri, Jun 12 2020, 18:30	Sat, Jun 12 2021, 18:30	Premier-Elite-SDWAN	2000	Bengaluru, IN	SR106
<input type="checkbox"/> Branch-Pepsi-Bionic	Pepsi	Wed, May 06 2020, 0:...	Fri, May 28 2021, 05:57	Prime-SDWAN	1500	India	Not Specified

Field	Description
Name	Name of the VOS device.
Owner Organization	Owner organization associated with the VOS device.
Start Date	Start date of the subscription. This date is when the VOS device was activated.
End Date	Date and time when the subscription was deactivated. If you do not renew the description manually after the end date, it is renewed automatically.
Solution Tier	Solution tiers associated with the VOS device.
Bandwidth	Bandwidth tier associated with the VOS device, in Mbps.
Location Name	Configured location of the VOS device.
Serial Number	Serial number of the VOS device.

Supported Software Information

- Releases 20.2 and later support all content described in this article, except:
- Releases 21.1.1 and later support detailed view of license; Controllers are not displayed in the entitlement manager summary; and the query window displays the license period and does not support Analytics Enabled and Primary.

Additional Information

Licenses and Entitlement