



Getting Started with Avi Pulse

Avi Technical Reference (v20.1)

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Getting Started with Avi Pulse

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Overview

This guide explains the registering and deregistering of Avi Controllers with Avi Pulse.

Note: Starting with Avi Vantage version 20.13, Avi Pulse has been integrated with the My VMware portal.

Getting Started with Pulse

Prerequisites

The following are the prerequisites to register a Controller:

- Portal user account should be approved
- Firewall requirements (portal.avipulse.vmware.com (known as Avi portal), and VMware IDP (my.vmware.com), port 443 should be open)
 - Port 443 access to Avi portal from the Avi Controller
 - Port 443 access to Avi portal from the customer browser/machine while registering the Avi Controller to Avi Pulse
- Change cluster name from default. For instance, set the cluster name of the Avi Controller cluster to uniquely identify the Avi Controller cluster asset. By default, all Avi Controller clusters will have ?cluster-0? as their name.

Migrating to MyVMware SSO

Starting with Avi Vantage version 20.13, Avi Pulse is integrated with the My VMware portal. If you have upgraded to the 20.13 from the older versions, then it is recommended to follow the below mentioned steps to avail full functionality of Avi Pulse

1. Deregister the Controller from Avi Pulse as explained in the [De-registering the Controller](#) section.
2. Use the following CLI commands to change the portal URL and the mode:

```
root@admin-ctrl:/home/admin# shell
Login: admin
Password:<password>
[admin@admin-ctrl]: > configure albservicesconfig
[admin@admin-ctrl]: albservicesconfig > portal_url https://portal.avipulse.vmware.com
Overwriting the previously entered value for portal_url
[admin@admin-ctrl]: albservicesconfig > mode myvmware
Overwriting the previously entered value for mode
[admin@admin-ctrl]: albservicesconfig > save
```

3. Register the Controller again as mentioned in the [Registering the Controller to Avi Pulse](#) section.
Note: Use My VMware Portal account credentials while registering.

Note:

For successful login and registration you need to have VMware NSX Advanced Load Balancer product support entitlement.

Setting up Proxy for Accessing Avi Pulse Service

A proxy server helps in reducing the data breach by adding an extra layer of security between the internal servers and outside traffic.

The following are the three modes of proxy:

- No Proxy ? All services are directly accessed without any proxy.
- System Proxy ? Avi services will use system level proxy settings.
- Split Proxy ? Avi Pulse service will not use the system level proxy settings but the proxy defined in split proxy configuration.

The following are the CLIs used for split proxy and system proxy:

Split Proxy: For using split proxy, you need to configure proxy settings under ALB services config as follows. Ensure that you set `use_split_proxy` under ALB services config to true.

```
[admin:controller]: > configure albservicesconfig
[admin:controller]: albservicesconfig> use_split_proxy
Overwriting the previously entered value for use_split_proxy
[admin:controller]: albservicesconfig> split_proxy_configuration
[admin:controller]: albservicesconfig:split_proxy_configuration> host myproxy.avi.com
[admin:controller]: albservicesconfig:split_proxy_configuration> port 8080
[admin:controller]: albservicesconfig:split_proxy_configuration> save
[admin:controller]: albservicesconfig> save
```

System Proxy: For using system proxy, you need to configure proxy settings under system configuration as follows. Ensure that you set `use_split_proxy` under ALB services config to false.

```
[admin:controller]: > configure systemconfiguration
[admin:controller]: systemconfiguration> proxy_configuration
[admin:controller]: systemconfiguration:proxy_configuration> host myproxy.avi.com
[admin:controller]: systemconfiguration:proxy_configuration> port 8080
[admin:controller]: systemconfiguration:proxy_configuration> username testuser
[admin:controller]: systemconfiguration:proxy_configuration> password TestPassword
[admin:controller]: systemconfiguration:proxy_configuration> save
[admin:controller]: systemconfiguration> save
```

Registering the Controller to Avi Pulse

The following are the steps to register the Controller to Avi Pulse:

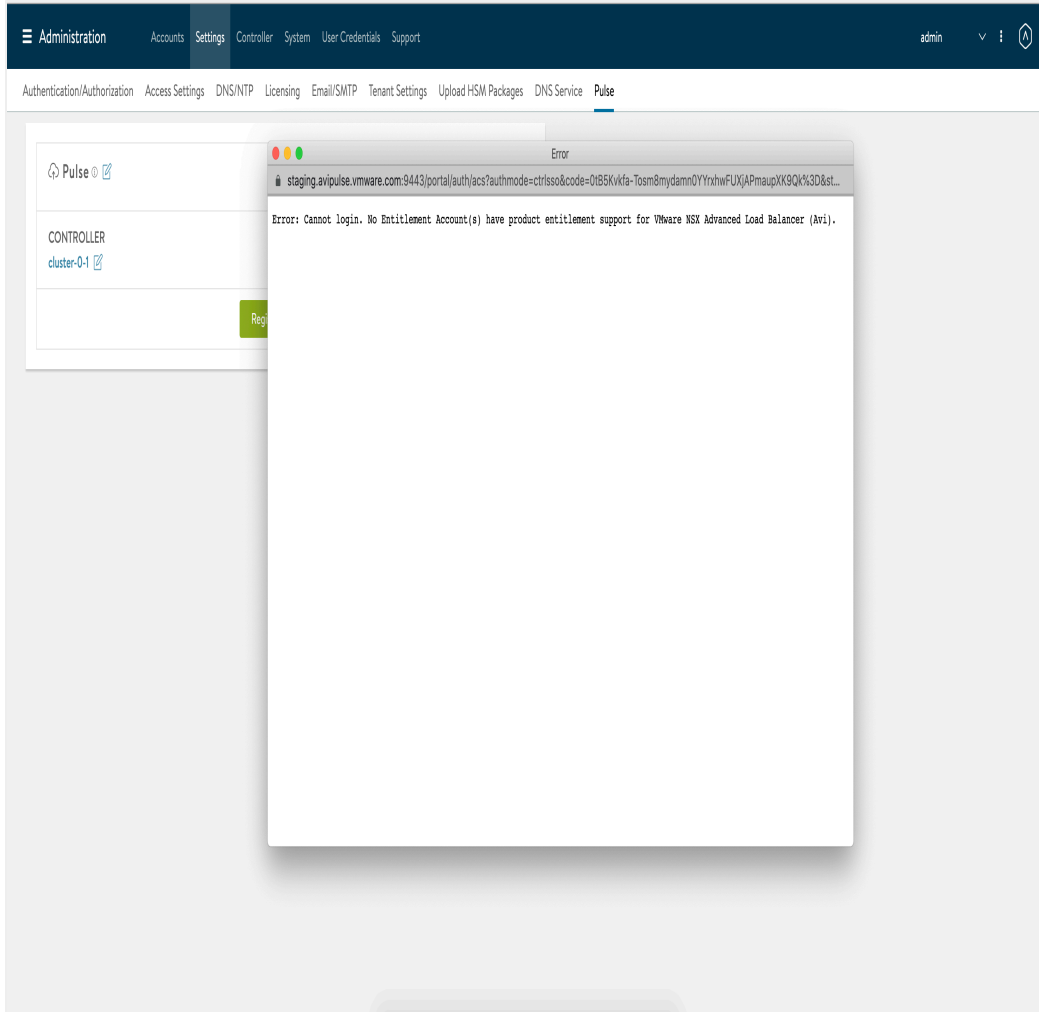
1. Register the Controller. You can register to the Controller by navigating to Administration > Settings > Pulse.



2. Select Avi Pulse and click on Register Controller button. You will be directed to the login page as follows:



If you do not have product support entitlement for VMware NSX Advanced Load Balancer, then the login will be denied and the system would display the following error message:



Specify the login credentials of customer portal to login. Click on Sign In button. The following window is displayed:

Settings: Pulse X

General Settings

Default Department* **Default Contact***

Avi Cloud-Dev v

If you are managing multiple departments, you can choose one department to register to the Controller. After successful login, you will be prompted to choose one of the departments in the Department field. You can also choose one of the support contacts from that department in the Contact field.

Settings: Pulse ✕

Opt In

- Auto Download WAF Signatures**
Flag to check if the user has opted in for auto deployment of CRS data on controller.
- WAF Signatures Notifications**
Flag to check if the user has opted in for notifications about the availability of new CRS data.
- Auto Case Creation On System Failure**
Flag to check if the user has opted in for proactive case creation on system failure.
- Auto Case Creation On SE Failure**
Flag to check if the user has opted in for proactive case creation on service engine failure.
- IP Reputation**
Flag to check if the user has opted in for automated IP reputation db sync

Save

Select the opt-in options to enable that feature and click on Save button. The Pulse will be registered. The following window is displayed:



You can edit Pulse settings by clicking on edit icon.

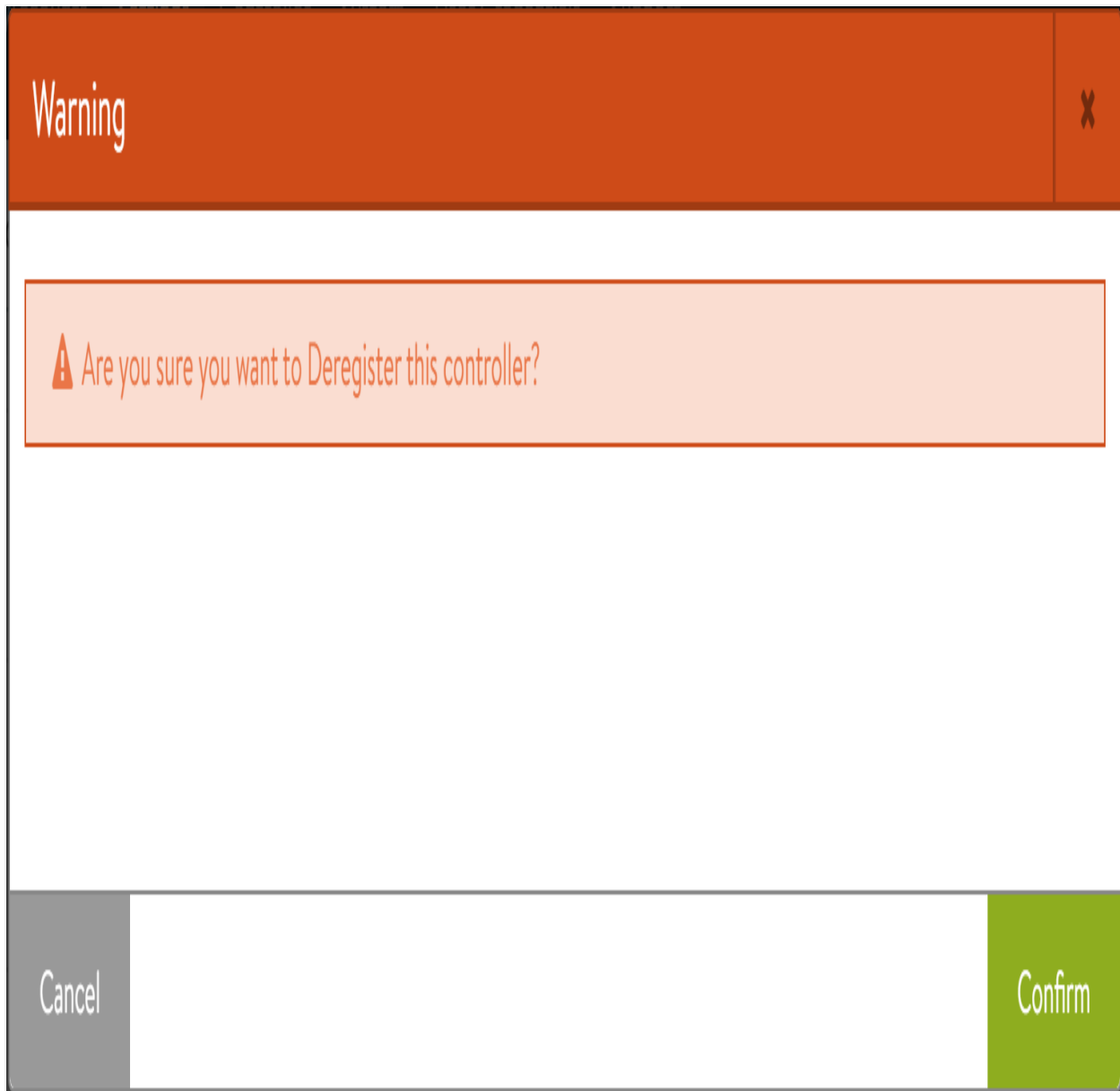
De-registering the Controller

You can deregister the Controller to disable the connectivity to Pulse portal. Once you deregister the Controller, all Pulse services will be disconnected.



Click on Deregister Controller button.

The following window is displayed:



You can click on Confirm button to confirm the de-registering the Controller.