



# VMware NSX-T 2.1.4 Release Notes

VMware NSX Container Plug-in 2.1.4 | 17 MAY 2018

Check regularly for additions and updates to these release notes.

## What's in the Release Notes

The release notes cover the following topics:

- [What's New](#)
- [Resolved Issues](#)
- [Known Issues](#)

## What's New

### What's New

NSX Container Plug-in 2.1.4 is a maintenance release specifically for the NSX Container Plug-in (NCP) feature of NSX-T 2.1. This release resolves a number of issues found in previous releases and has the following new features:

- Support for assigning a loadbalancer IP from a specified IP pool for a Kubernetes LoadBalancer type service.
- Support for assigning an SNAT IP from a specified IP pool for a PAS (Pivotal Application Service) app.
- Support for HTTP URL request rewrite of a Kubernetes Ingress.

## Resolved Issues

- **Issue 2101945: NCP ignores the setting `use_native_loadbalancer = False`**  
Even with the setting `use_native_loadbalancer` in `ncp_rc.yml` set to `False`, NCP still attempts to create a load balancer in NSX-T.

## Known Issues

- **Issue 2022750: BOSH VM cold migration issue**  
Newly provisioned PODs or containers in a container host VM in PKS, PAS, Openshift or other Kubernetes solutions will not have network connectivity under the following conditions:
  - When a container host VM is powered off and subject to cold migration
  - In some cases, when a container host VM is powering on and is subject to DRS

(Distributed Resource Scheduler) before the power-up is completed

- If the vNIC of the container host is detached and re-attached

Workaround: Delete the container host. In PKS and PAS scenarios, BOSH will recreate the container host.

- **Issue 2094336: New virtual machines created not seen in NSX-T inventory**

When Pivotal BOSH deploys new VMs on vSphere, the VMs might not appear in NSX-T's inventory.

Workaround: See <https://kb.vmware.com/s/article/54138>.

- **Issue 2091962: Pivotal Bosh provisioning of virtual machines fails randomly on NSX-T**

When Pivotal BOSH deploys new VMs on vSphere, the provisioning might randomly fail.

Workaround: See <https://kb.vmware.com/s/article/54139>.

- **PAS 2.1.0 CNI change**

Due to the CNI plugin change in PAS 2.1.0, none of the NSX-T Tile 2.1.0, 2.1.0.1, 2.1.2, 2.1.3 will work with PAS 2.1.0. This is fixed in PAS 2.1.1.

- **PAS 2.1 file mode change**

Due to the template file mode change in PAS 2.1.0 and 2.1.1, PAS deployment with NSX-T Tile 2.1 and 2.1.0.1 will fail. This is fixed in NCP 2.1.2 and later.

- **Issue 1998217: HyperBus interface vmk50 might be missing on vSphere ESXi causing container creation failure**

Container is not created because the HyperBus interface vmk50 might be missing on vSphere ESXi.

Workaround: Complete the following steps:

1. Retrieve the vmk50 port ID using CLI on vSphere ESXi

```
net-dvs | grep vmk50 -C 10
```

2. Create the vmk50 interface on vSphere ESXi.

```
esxcli network ip interface add -P <port-id from step-1> -s DvsPortset-0 -i vmk50 -N hyperbus
```

3. Assign an IP address to the vmk50 interface.

```
esxcfg-vmknic -i 169.254.1.1 -n 255.255.0.0 -s DvsPortset-0 -v <port-id from step-1> -N hyperbus
```

- **Issue 2083074: NSX Manager shows incorrect auto-discovered address bindings for a container logical port.**

If ARP snooping is enabled (through the IP discovery switching profile) for a container logical port and the container host VM's logical port, the NSX Manager's GUI might show incorrect auto-discovered address bindings for the container logical port. This is a cosmetic error and can be ignored. The actual address bindings are displayed under Manual Bindings.

Workaround: None needed.