



# UPI ARM Sprint Demo















DEMO 2

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# Internal Load Balancer – Created

Showing 12 resources created

<input type="checkbox"/> Name ↑↓	Type ↑↓	Location ↑↓
<input type="checkbox"/>  masteravailabilityset	Availability set	East US
<input type="checkbox"/>  nodeavailabilityset	Availability set	East US
<input type="checkbox"/>  bastion_OsDisk_1_69cf9d779672457b87c7cc003cd69a18	Disk	East US
<input type="checkbox"/>  MasterLbgswx1	Load balancer	East US
<input type="checkbox"/>  gswx1intlb	Load balancer	East US
<input type="checkbox"/>  wildcardzone1b	Load balancer	East US
<input type="checkbox"/>  bastion869	Network interface	East US
<input type="checkbox"/>  bootstrap-0nic	Network interface	East US
<input type="checkbox"/>  master1nic	Network interface	East US
<input type="checkbox"/>  master2nic	Network interface	East US
<input type="checkbox"/>  master3nic	Network interface	East US
<input type="checkbox"/>  node01nic	Network interface	East US
<input type="checkbox"/>  node02nic	Network interface	East US
<input type="checkbox"/>  node03nic	Network interface	East US

# Internal Load Balancer - Working

The screenshot displays the Azure portal interface for an Internal Load Balancer. The left-hand navigation pane includes sections for Overview, Settings, and Support + troubleshooting. The main content area shows the configuration details for the load balancer 'gswx1intlb'.

**Navigation Pane:**

- Overview (selected)
- Activity log
- Access control (IAM)
- Tags
- Diagnose and solve problems
- Settings
  - Frontend IP configuration
  - Backend pools
  - Health probes
  - Load balancing rules
  - Inbound NAT rules
  - Properties
  - Locks
  - Export template
- Support + troubleshooting
  - New support request

**Load Balancer Details:**

**gswx1intlb**  
Load balancer

Search (Cmd+/) << >>

Move Delete Refresh




Resource group (change)	: gswx1	Backend pool	: masters (4 virtual machines)
Location	: East US	Health probe	: 2 probes
Subscription (change)	: BorisB-External-Partner	Load balancing rule	: 2 rules
Subscription ID	: 27523af7-7c6e-4e06-9d6e-070881f968e8	NAT rules	: 0 inbound
SKU	: Basic	Private IP address	: 10.0.0.31
Tags (change)	: displayName : OpenShiftIntLB		

# Internal Load Balancer – Backend Pool

[Home](#) > [gswx1](#) > [gswx1intlb - Backend pools](#) > [masters](#)


## masters

gswx1intlb

 Save  Discard  Delete

**Backend pool name**

masters

**IP version** 





IPv4

**Associated to**

[masteravailabilityset \(availability set\)](#)

**Target network IP configurations**

Only VMs within the current availability set can be chosen. Once a VM is chosen, you can select a network IP configuration related to it.

Virtual machine: master3 Network IP configuration: master3nic/ipconfig1 (10.0.0.4)	
Virtual machine: master1 Network IP configuration: master1nic/ipconfig1 (10.0.0.5)	
Virtual machine: master2 Network IP configuration: master2nic/ipconfig1 (10.0.0.6)	
Virtual machine: bootstrap-0 Network IP configuration: bootstrap-0nic/ipconfig1 (10.0.0.7)	

+ Add a target network IP configuration

**Associated load balancing rules**

[lbrint](#)

[lb22623](#)



# Kubelet Issue – 4.1 Flake?

```
[ OK ] Started Network Manager Script Dispatcher Service.
[ 12.648964] IPv6: ADDRCONF(NETDEV_UP): eth0: link is not ready
[ 12.654665] IPv6: ADDRCONF(NETDEV_UP): eth0: link is not ready
[ 12.658697] IPv6: ADDRCONF(NETDEV_CHANGE): eth0: link becomes ready
[ OK ] Started Log RPM-OSTree Booted Deployment Status To Journal.
[ OK ] Started Network Manager Wait Online.
[ OK ] Reached target Network is Online.
        Starting NFS status monitor for NFSv2/3 locking....
        Starting Generate /run/issue.d/console-login-helper-messages.issue...
        Starting Open Container Initiative Daemon...
        Starting RPC Bind...
[ OK ] Started RPC Bind.
[ OK ] Started Generate /run/issue.d/console-login-helper-messages.issue.
        Starting Permit User Sessions...
[ OK ] Started NFS status monitor for NFSv2/3 locking..
[ OK ] Started Permit User Sessions.
[ OK ] Started Getty on tty1.
[ OK ] Started Serial Getty on ttyS0.
[ OK ] Reached target Login Prompts.
[ OK ] Started Kubernetes systemd probe.
[FAILED] Failed to start Kubernetes Kubelet.
See 'systemctl status kubelet.service' for details.
[ OK ] Started Open Container Initiative Daemon.
[ OK ] Reached target Multi-User System.
        Starting Update UTMP about System Runlevel Changes...
[ OK ] Started Update UTMP about System Runlevel Changes.

Red Hat Enterprise Linux CoreOS 410.8.20190920.2 (Ootpa) 4.1
SSH host key: SHA256:nBTcD4gu/o0czzqkox+PpaHWQA3cS2p0krpCciUH/9Q (ECDSA)
SSH host key: SHA256:SWHc5KCBsCMBulC96+dQ0dnWGyDPHAWBxAm+3EC/TMk (ED25519)
SSH host key: SHA256:Nbg7YVoDcoMRJuepJqzbzlcOL5TlQ7cKQdtxkxPWsCMY (RSA)
eth0: 10.0.0.6 fe80::f502:d712:5d10:cbb3

master2 login: [ 34.488691] SELinux: mount invalid. Same superblock, different security settings for (dev mqueue, type mqueue)
[ 35.866457] SELinux: mount invalid. Same superblock, different security settings for (dev mqueue, type mqueue)
[ 52.132882] SELinux: mount invalid. Same superblock, different security settings for (dev mqueue, type mqueue)
[ 58.964035] hv_balloon: Max. dynamic memory size: 28672 MB

This session was closed due to inactivity. To reconnect, press "Enter".
```

# Other masters seem ok

```
Starting Network Manager Wait Online...
Starting RPM-OSTree System Management Daemon...
[ OK ] Started OpenSSH server daemon.
Starting Authorization Manager...
[ OK ] Started Hostname Service.
Starting Network Manager Script Dispatcher Service...
[ OK ] Started Network Manager Script Dispatcher Service.
[ OK ] Started Authorization Manager.
[ 13.919601] IPv6: ADDRCONF(NETDEV_UP): eth0: link is not ready
[ 13.925729] IPv6: ADDRCONF(NETDEV_UP): eth0: link is not ready
[ 13.929997] IPv6: ADDRCONF(NETDEV_CHANGE): eth0: link becomes ready
[ OK ] Started RPM-OSTree System Management Daemon.
[ OK ] Started Log RPM-OSTree Booted Deployment Status To Journal.
[ OK ] Started Network Manager Wait Online.
[ OK ] Reached target Network is Online.
Starting Open Container Initiative Daemon...
Starting NFS status monitor for NFSv2/3 locking...
Starting Generate /run/issue.d/console-login-helper-messages.issue...
Starting RPC Bind...
[ OK ] Started RPC Bind.
[ OK ] Started Generate /run/issue.d/console-login-helper-messages.issue.
[ OK ] Started NFS status monitor for NFSv2/3 locking..
Starting Permit User Sessions...
[ OK ] Started Permit User Sessions.
[ OK ] Started Getty on tty1.
[ OK ] Started Serial Getty on ttyS0.
[ OK ] Reached target Login Prompts.
[ OK ] Started Open Container Initiative Daemon.

Red Hat Enterprise Linux CoreOS 410.8.20190920.2 (Ootpa) 4.1
SSH host key: SHA256:4UmG+vlqMnhcYsZGDshyC88YP+0s4/as3Covl4n9SpQ (ECDSA)
SSH host key: SHA256:ETUFxJGfXTVCloK9Wn5H8XVn04qINjQhCg76V2JY3gE (ED25519)
SSH host key: SHA256:6TOSL/AT05DSNfAmSllXb6dK/pLxP/605kWLhvb/7YI (RSA)
eth0: 10.0.0.5 fe80::106c:6fcd:590d:5f84

master1 login: [ 29.596913] SELinux: mount invalid. Same superblock, different security settings for (dev m
queue, type mqueue)
[ 31.121252] SELinux: mount invalid. Same superblock, different security settings for (dev mqueue, type mqu
eue)
[ 35.358897] SELinux: mount invalid. Same superblock, different security settings for (dev mqueue, type mqu
eue)
[ 60.220496] hv_balloon: Max. dynamic memory size: 28672 MB
```

# Current Status

- Working:
  - Internal Load Balancer is Fixed and Working
- Not Done/Not Working:
  - Flake on one of the masters – kubelet not starting Internal LB Not routing/not found by masters
  - Need to fix up the apps loadbalacer/ip

# Where's it at:

The screenshot shows the GitHub interface for the repository `glennswest / ocpupi4azure`. The browser address bar displays `github.com/glennswest/ocpupi4azure/tree/master/4.1`. The repository page includes a search bar, navigation links for Pull requests, Issues, Marketplace, and Explore, and a header with repository statistics: 1 Unwatch, 0 Stars, and 0 Forks. Below the header, a tabbed interface shows the 'Code' tab selected, with links for Issues (0), Pull requests (0), Projects (0), Wiki, Security, Insights, and Settings. The main content area shows the 'Branch: master' dropdown and the path 'ocpupi4azure / 4.1 /'. A commit by 'glennswest' titled 'Cleanup extra files' is shown, with the latest commit hash 'd4ae4e8' and a timestamp of '15 seconds ago'. Below the commit, a list of files is displayed with their descriptions and commit times:

File	Description	Time
..		
<code>azuredeploy.json</code>	Add a dependency for internallb and change ip address	2 hours ago
<code>azuredeploy.parameters.json</code>	Add sshkeydata for nodes	2 days ago
<code>deploy_azarm.sh</code>	Split into two - one for setup one for deploy	2 hours ago
<code>master.json</code>	Change the way keydata is passed and remove tags from master	2 days ago
<code>node.json</code>	Fix missing parameters	yesterday
<code>setup-variables.py</code>	Make sure parameters have correct format for bootstrap ignition	2 days ago
<code>setup_azarm.sh</code>	Split into two - one for setup one for deploy	2 hours ago

<https://github.com/glennswest/ocpupi4azure/tree/master/4.1>