

NSX From Scratch | Load Balancer

The SDN solution from VMware



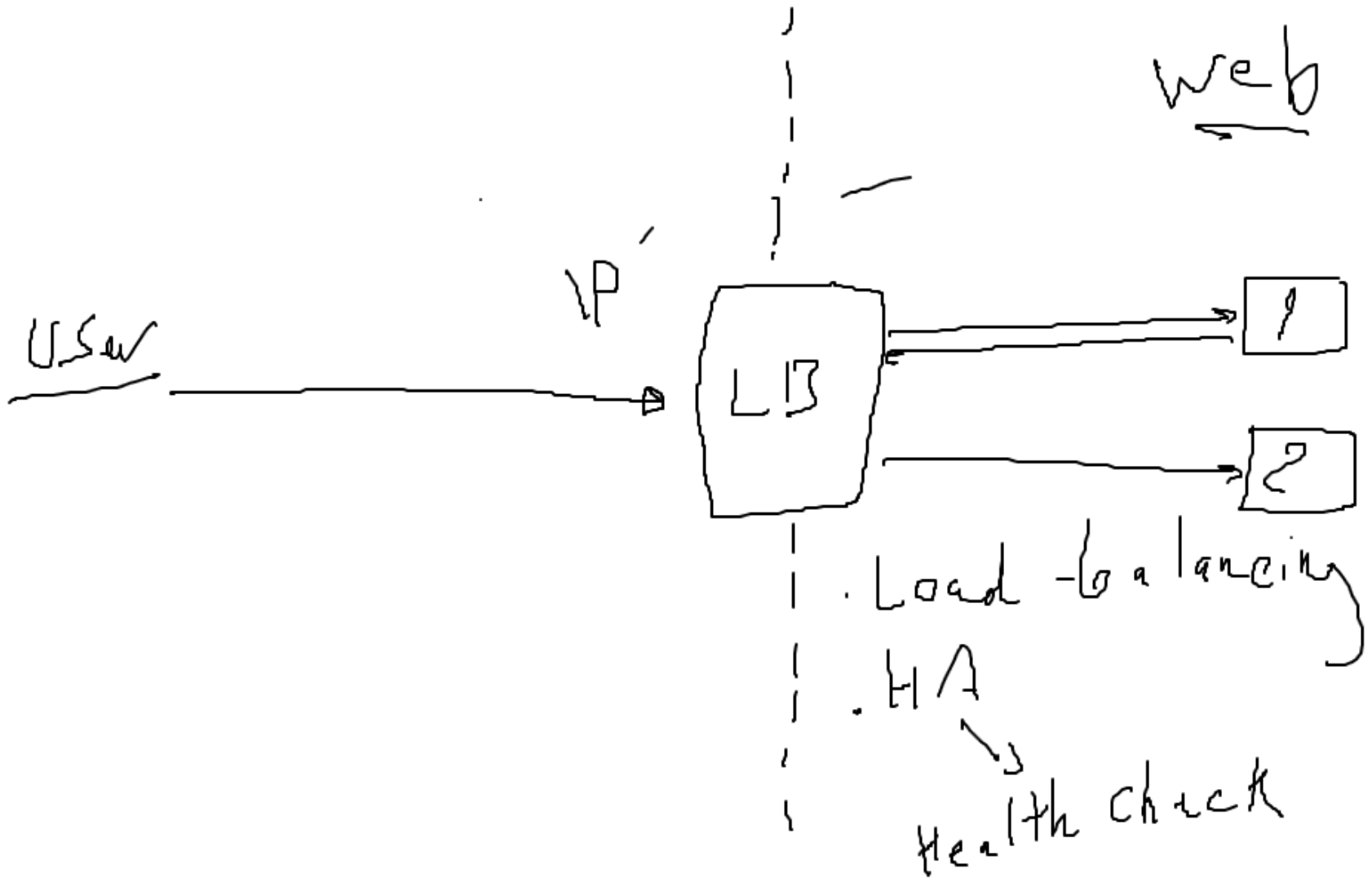
This document was created using the official VMware icon and diagram library. Copyright © 2017 VMware, Inc. All rights reserved. This product is protected by U.S. and international copyright and intellectual property laws. VMware products are covered by one or more patents listed at <http://www.vmware.com/go/patents>.

VMware does not endorse or make any representations about third party information included in this document, nor does the inclusion of any VMware icon or diagram in this document imply such an endorsement.

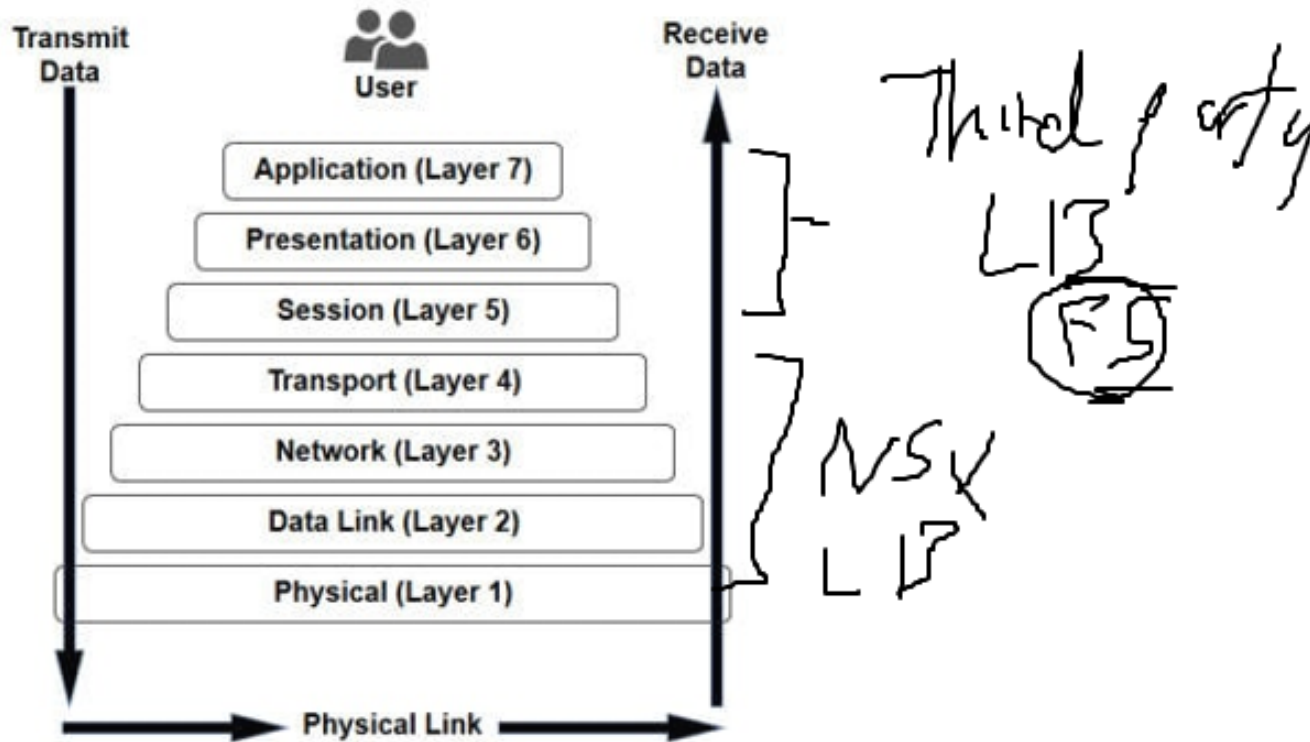
Course Content

1. Introduction to SDN and NSX
2. Lab setup
3. NSX components
4. Architecture and sample designs
5. Preparing the physical network
6. Deploying NSX manager
7. Deploying controller(s)
8. Preparing vSphere clusters
9. Creating logical switches
10. Deploying DLR
11. L2 bridging
12. Exploring Security features
- 13. Configuring DFW**
14. Security Groups
- ~~15. Identity-based firewall~~
16. SpoofGuard
17. Application Rule Manager (ARM)
18. Deploy ESG
19. Configuring OSPF
- 20. Load balancer**
21. SSL VPN-PLUS
22. Flow monitoring
23. Useful commands
24. vRealize Network Insight

NSX from Scratch | Load Balancer



The 7 Layers of OSI



LB Modes

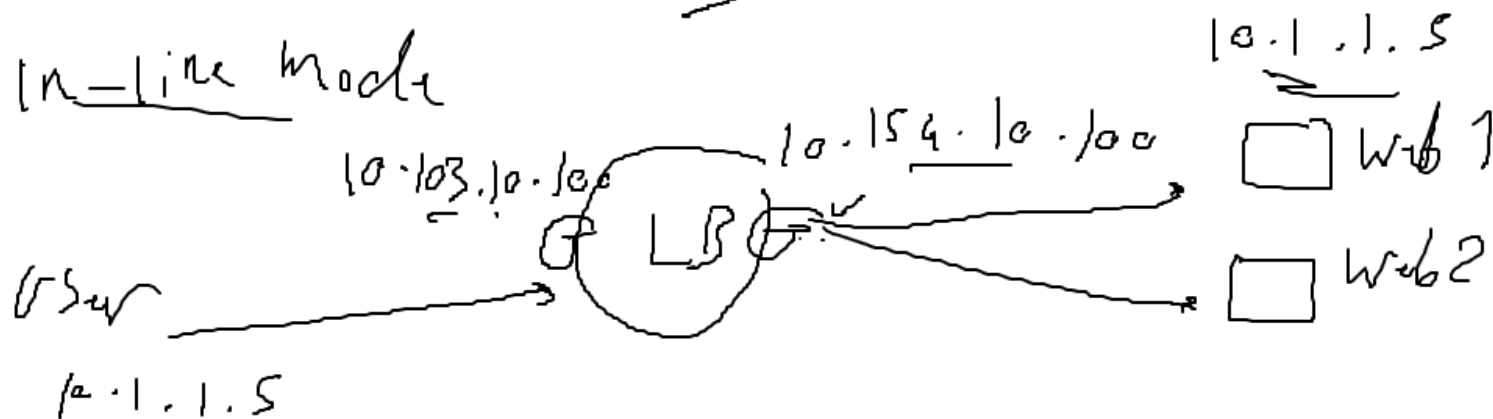
One-Armed (PROXY MODE): only one NIC is required in the LB.

Downside: originating source IP is replaced by the LB IP, to workaround this, use "X-FORWARDED" for HTTP header.

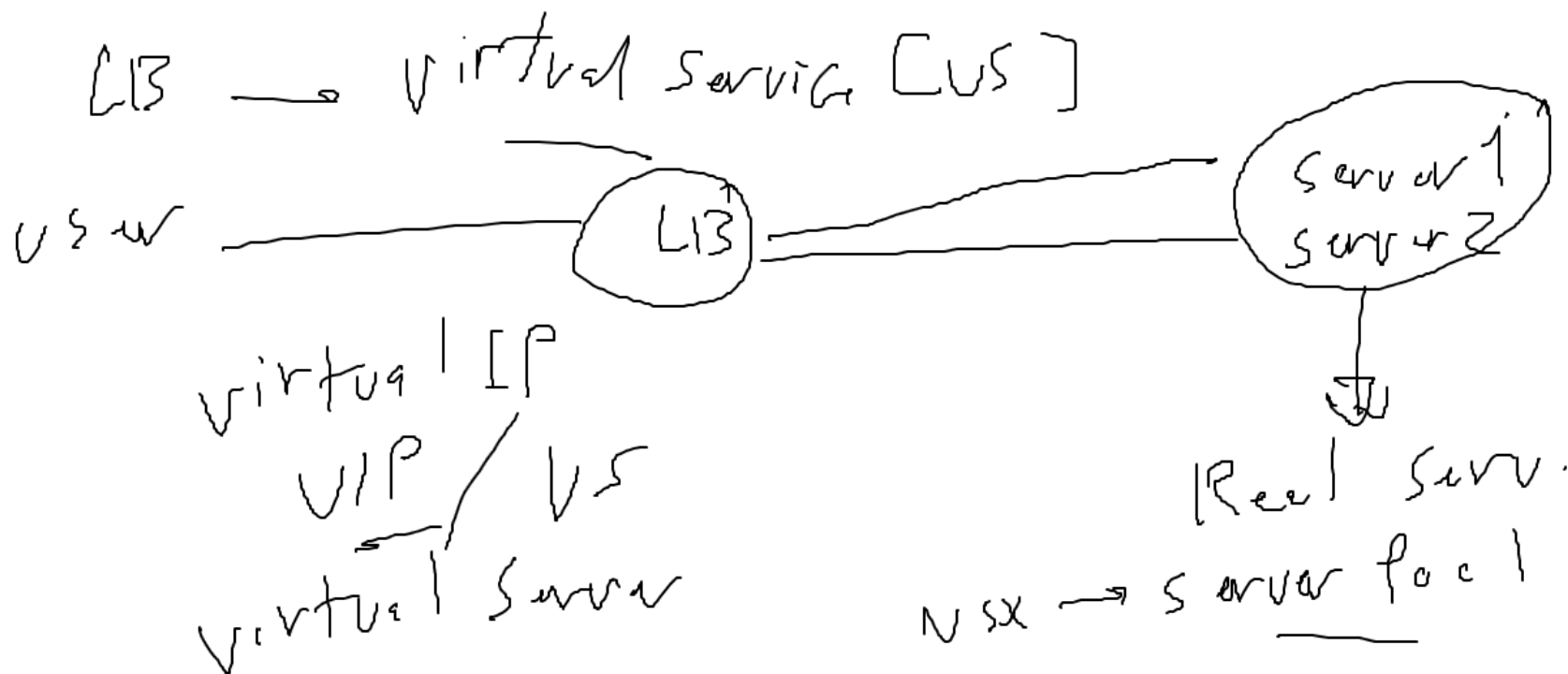
In-line (transparent mode): the originating source IP is passed down to the server.

Downside: DLR cannot be used as the VM gateway must be set to the ESG IP.

NSX from Scratch | Load Balancer



Virtual Service and Real Servers (Pools)



DEMO

Contact Info

Email: mroushdy@arabitnetwork.com

Blog: www.arabitnetwork.com

 youtube.com/c/MohamedRoushdy

