Networking and Port Requirements

Unit 3.1.4

One Size Does Not Fit All

One network configuration is different from another. Some environments require stronger security than others, so this course won't tell you what you need to do in your environment. The Rancher documentation has detailed information on the source and destination port requirements for each role.

We encourage you to review the documentation and adjust your network policies accordingly.

Be mindful of locking down the network. If you block access that Kubernetes needs, it will manifest as strange communication errors, service failures, and cluster instability. Check logfiles and test that nodes in each role are able to communicate with nodes in other roles according to the charts in the documentation.

Also verify that cross-host networking is available from with Kubernetes by testing that Pods on one host are able to communicate with Pods on other hosts.

More information on troubleshooting will come in a later module.

References

Networking Requirements - https://rancher.com/docs/rancher/v2.x/en/cluster-provisioning/node-requirements/#networking-requirements

Port Requirements For RKE Clusters - https://rancher.com/docs/rke/latest/en/os/#ports