**Local container registry**

IMPORTANT: Docker local registries are not meant for keeping non-distributable base images like Microsoft/nanoserver etc

Prepare a machine with docker and containers role

Create a local folder that will be linked to the container. This is where the containers will be kept

Mkdir C:\Registry

Run the following container that has the docker registry already configured:

docker run -d -p 5000:5000 --restart=always --name registry -v C:\registry:C:\registry stefanscherer/registry-windows:2.6.2

open 5000 in firewall

New-NetFirewallRule -Name 'Docker registry' -DisplayName 'Docker registry' -Enabled True -Profile Any -Direction Inbound -Action Allow -Protocol TCP -LocalPort 5000

Now you can tag an image (container01 is the host):

docker tag microsoft/nanoserver CONTAINER01:5000/nanoserver

On the docker client servers edit the docker config:

notepad C:\ProgramData\docker\config\daemon.json

Add:

{

"insecure-registries": ["192.168.254.133:5000"]

}

Restart-service docker

(another registry container): docker pull sixeyed/registry and run as: docker run -d -p 5000:5000 -v C:\regdata:C:\data sixeyed/registry (c:\data is hardcoded in container)

After you have a registry, from the client machine tag an image:

Docker tag Microsoft/nanoserver CONTAINER01:5000/nanoserver (the hostname from the tag specifies the registry)

Docker push CONTAINER01:5000/nanoserver

Docker pull CONTAINER01:5000/nanoserver