Almalinux LXC setup

Here is a simple review of what should be done in a newly created LXC using the image from Proxmox VE.
If you're installing a VM using the official `.iso` image, some packages might already be installed by default (eg. `openssh-server` and `wget`).

Step by step procedure

1. Install important packages
   - update and upgrade

     ```
     sudo dnf update -y && dnf upgrade -y
     ```

   - install basic packages (`git` and `net-tools` might not be useful, depending on your usage)

     ```
     sudo dnf install -y vim git tar wget bind-utils net-tools openssh-server
     ```

   - *Optional*: Docker installation
     - Add Docker repository

       ```
       sudo dnf install -y dnf-plugins-core
       sudo dnf config-manager --add-repo https://download.docker.com/linux/rhel/docker-ce.repo
       ```

     - Install Docker

       ```
       sudo dnf install -y docker-ce docker-ce-cli containerd.io docker-buildx-plugin docker-compose-plugin
       ```

     - Enable Docker

       ```
       sudo systemctl enable --now docker
       ```

     - Test Docker installation

       ```
       docker run hello-world
       ```

2. Create a user with sudo privileges (replace `thorgan` by the username of your choice)

```
sudo adduser thorgan
sudo usermod -aG wheel thorgan
sudo passwd thorgan
```

> If you installed Docker in `step 1`, you can give permission to your newly created user to use it:
>
> ```
> sudo usermod -aG docker thorgan
> ```
>
> *Replace `thorgan` by the username you created before*.

3. Open the port `22` in the firewall

```
sudo firewall-cmd --add-service=ssh --permanent
sudo firewall-cmd --reload
```

4. Start and enable `sshd` to accept SSH connections

```
sudo service sshd start && systemctl enable sshd
```

Script procedure

```
#!/bin/bash

sudo dnf update -y && dnf upgrade -y
sudo dnf install -y vim git tar wget bind-utils net-tools openssh-server

read -p "Enter username: " user
sudo adduser "$user"
sudo usermod -aG wheel "$user"
sudo passwd "$user"

sudo firewall-cmd --add-service=ssh --permanent
sudo firewall-cmd --reload

sudo service sshd start && systemctl enable sshd
```

Script with docker installation

```
#!/bin/bash

# Update & Upgrade
sudo dnf update -y && dnf upgrade -y
# Install necessary packages
sudo dnf install -y dnf-plugins-core vim git tar wget bind-utils net-tools openssh-server

# Adding docker repository
sudo dnf config-manager --add-repo https://download.docker.com/linux/rhel/docker-ce.repo
# Install docker
sudo dnf install -y docker-ce docker-ce-cli containerd.io docker-buildx-plugin docker-compose-plugin
# Enable docker
sudo systemctl enable --now docker
# Test docker installation
docker run hello-world

# Create sudoer user
read -p "Enter username: " user
sudo adduser "$user"
sudo usermod -aG wheel "$user"
sudo usermod -aG docker "$user"
sudo passwd "$user"

# Open port 22 on the firewall
sudo firewall-cmd --add-service=ssh --permanent
sudo firewall-cmd --reload

# Enable & Start SSH
sudo service sshd start && systemctl enable sshd
```

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