Creating containers in Proxmox VE (NGINX webserver setup)

Click on your storage > CT templates and then templates

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You can search for the OS to filter out the various versions and for this example we will be using Ubuntu Focal. Click on it and click on Download

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Once it shows TASK OK you can lose it already

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Now you can proceed to create your container. Click on Create CT

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Then fill in for hostname, password and confirm password then click on Next

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1. "Unprivileged container":

* When checked, the container runs with limited privileges and restricted access to the host system

1. "Nesting":

* Allows the container to create other containers or use certain virtualization features

Select your template and click next

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Space can allocate abit more (16GB) and click next

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Can leave as 1 core

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Memory can set to 1024 and click next

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Choose DHCP for both and click on Next

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Can leave as is. Click Next and Finish

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SSH to your proxmox server and start your container

As seen here it is stopped

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Can start by using pct start <container-id>

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You can then enter your container shell using pct enter <container-id> and as seen below you should see your CT hostname if you want to know if its successful.

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Update the packages

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Now we can proceed for our NGINX webserver setup

Important Configuration Files:

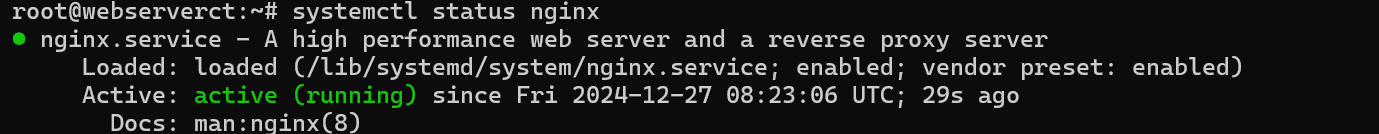
* Main configuration: /etc/nginx/nginx.conf
* Site configurations: /etc/nginx/sites-available/ and /etc/nginx/sites-enabled/
* Web content: /var/www/html/

Install NGINX webpackage and dependencies

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Ensure nginx is running



Allow the following for firewall

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Enable firewall

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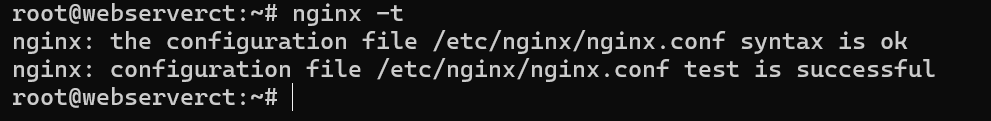
Create a basic landing page (if you want to use vim may need run apt install vim first)



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Test nginx config



Access your container ip from another PC browser you should be able to see your created landing page now

A close-up of a logo

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