Лаборатория работа 4

Базовая настройка HTTP-cepвepa Apache

ПОДГОТОВИЛА: КИМ РЕАЧНА ГРУППА: НПИБД-02-20

Цель работы:

Приобретение практических навыков по установке и базовому конфигурированию HTTP-cepвepa Apache.

Задание:

- Установка НТТР-сервера
- Базовое конфигурирование HTTP-сервера
- Анализ работы HTTP-сервера
- Настройка виртуального хостинга для HTTP-сервера
- Внесение изменений в настройки внутреннего окружения виртуальной машины

Установка НТТР-сервера

```
PS C:\work\kreachna\vagrant> vagrant up server
Bringing machine 'server' up with 'virtualbox' provider...

==> server: You assigned a static IP ending in ".1" to this machine.

==> server: This is very often used by the router and can cause the

==> server: network to not work properly. If the network doesn't work

==> server: properly, try changing this IP.

==> server: You assigned a static IP ending in ".1" to this machine.

==> server: This is very often used by the router and can cause the

==> server: network to not work properly. If the network doesn't work

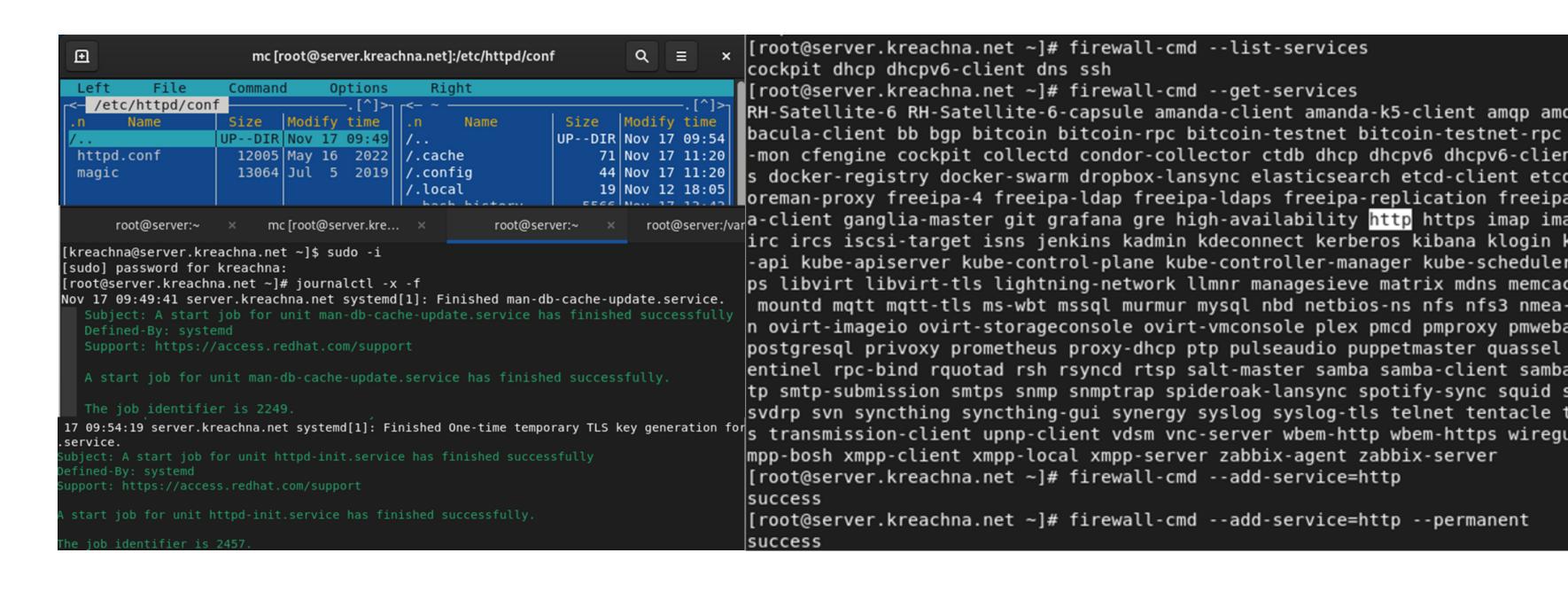
==> server: properly, try changing this IP.

==> server: Clearing any previously set forwarded ports...

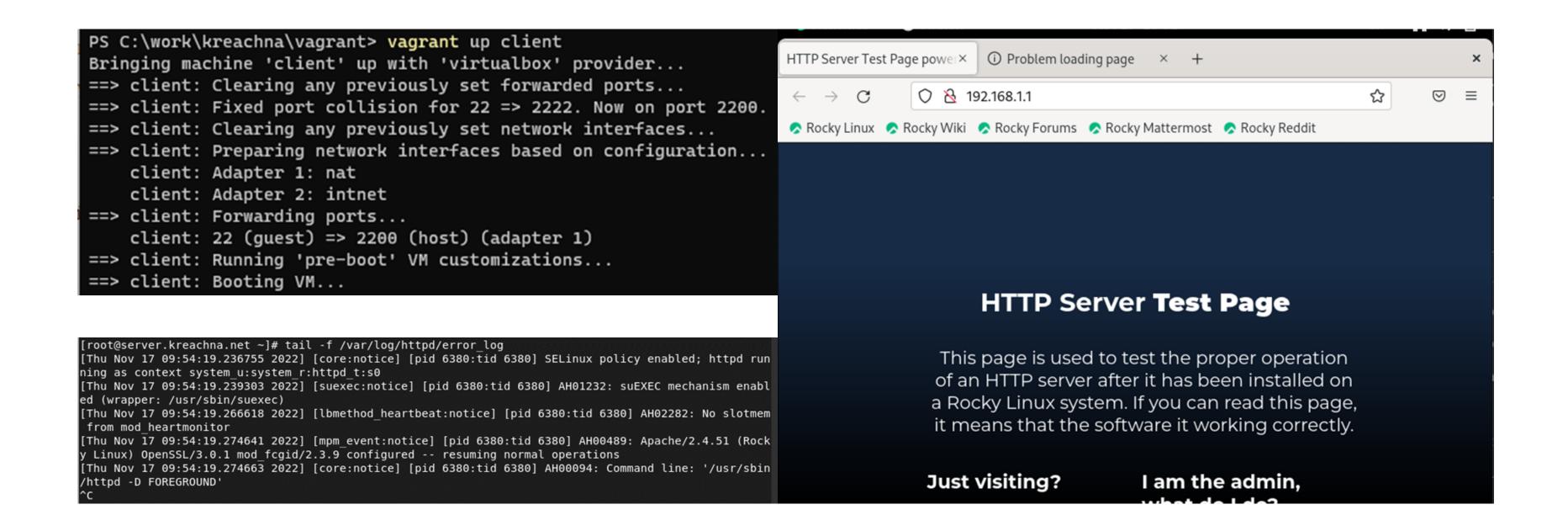
==> server: Clearing any previously set network interfaces...
```

```
[kreachna@server.kreachna.net ~]$ sudo -i
[sudo] password for kreachna:
[root@server.kreachna.net ~]# LANG=C yum grouplist
Rocky Linux 9 - BaseOS
                                          5.2 kB/s | 3.6 kB
                                                             00:00
Rocky Linux 9 - AppStream
                                          6.4 kB/s | 3.6 kB
                                                             00:00
Rocky Linux 9 - Extras
                                          5.4 kB/s | 2.9 kB
                                                             00:00
Available Environment Groups:
  Server
  Minimal Install
  Workstation
  KDE Plasma Workspaces
  Custom Operating System
  Virtualization Host
Installed Environment Groups:
  Server with GUI
Installed Groups:
  Container Management
  Development Tools
  Headless Management
Available Groups:
  Fedora Packager
  Xfce
  Legacy UNIX Compatibility
  Console Internet Tools
  .NET Development
  Graphical Administration Tools
  Network Servers
  RPM Development Tools
  Scientific Support
  Security Tools
  Smart Card Support
  System Tools
 [root@server.kreachna.net ~]# dnf -y groupinstall "Basic Web Server"
Last metadata expiration check: 0:01:03 ago on Thu 17 Nov 2022 09:48:25 AM UTC.
Dependencies resolved.
 Package
                     Arch
                               Version
                                                    Repository
                                                                  Size
------
Installing group/module packages:
 httpd
                               2.4.51-7.el9 0
                                                                 1.4 M
                                                    appstream
```

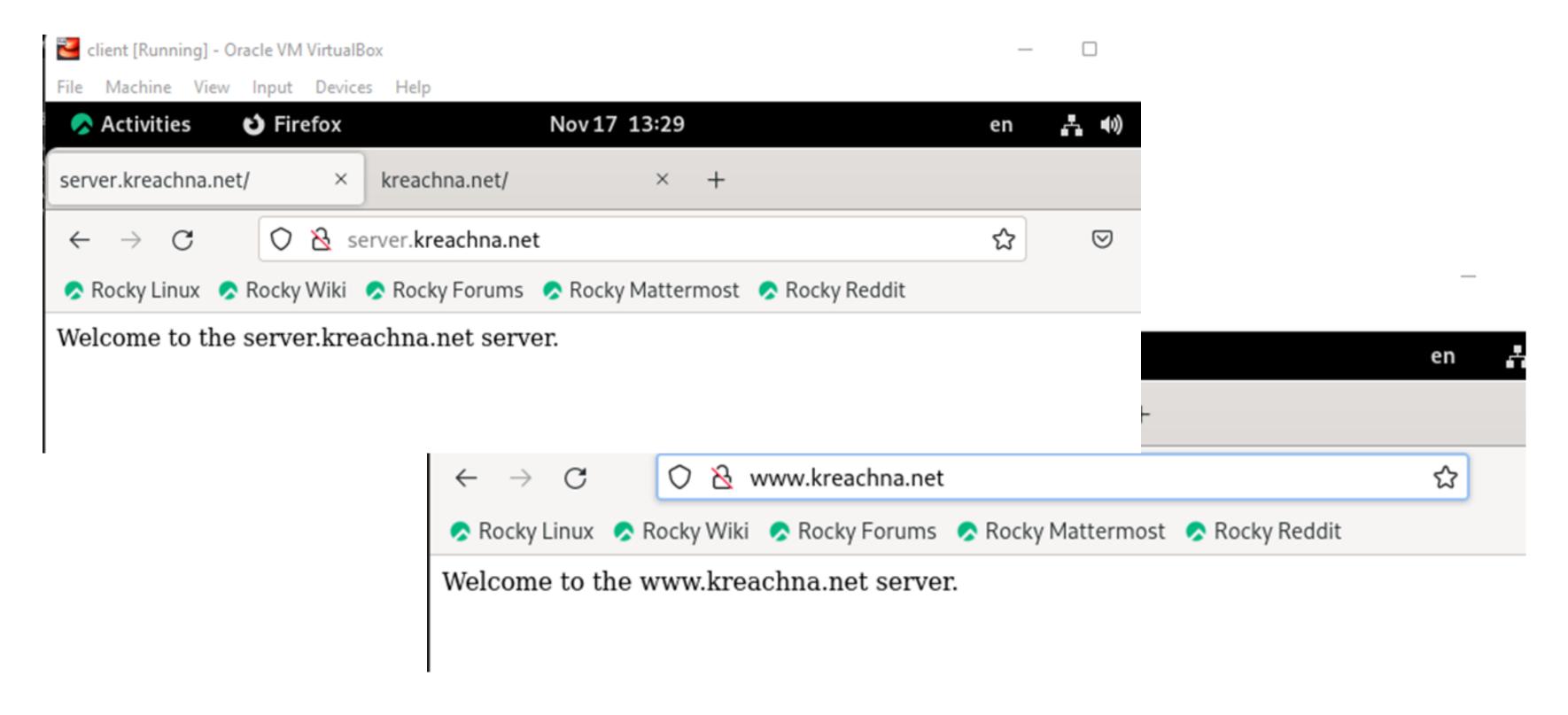
Базовое конфигурирование НТТР-сервера



Анализ работы НТТР-сервера



Настройка виртуального хостинга для НТТР-сервера



Внесение изменений в настройки внутреннего окружения виртуальной машины

```
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dns.sh ⊠ 📙 Vagrantfile 🗵 📙 01-routing.sh 🗵 📙 dhcp.sh 🗵 📙 http.sh 🗵
       #!/bin/bash
       echo "Provisioning script $0"
       echo "Install needed packages"
       dnf -y groupinstall "Basic Web Server"
       echo "Copy configuration files"
       cp -R /vagrant/provision/server/http/etc/httpd/* /etc/httpd
       cp -R /vagrant/provision/server/http/var/www/* /var/www
10
                                                               🌏 🚔 🗎 🖺 🥦 😘 🦾 | 🚜 🐚 🖺 | 🗩 😅 | ## 🛬 | 👒 👒 |
11
12
       chown -R apache:apache /var/www
13
                                                                dns.sh 🗵 📙 Vagrantfile 🗵 📙 01-routing.sh 🗵 📙 dhcp.sh 🗵 📙 http.sh 🗵
14
       restorecon -vR /etc
       restorecon -vR /var/www
15
                                                                                 type: "shell",
                                                                46
16
                                                                                preserve order: true,
                                                                 47
17
       echo "Configure firewall"
                                                                                path: "provision/server/dhcp.sh"
18
       firewall-cmd --add-service=http
                                                                48
       firewall-cmd --add-service=http --permanent
19
                                                                49
20
                                                                50
                                                                              server.vm.provision "server http",
21
       echo "Start http service"
       systemctl enable httpd
22
                                                                                 type: "shell",
       systemctl start httpd
                                                                                preserve order: true,
                                                                                path: "provision/server/http.sh"
                                                                53
```

Вывод

Получила приобретение практических навыков по установке и базовому конфигурированию HTTP-сервера Apache.

Спасибо за внимание!