

# Astra Linux Special Edition x.7: Foreman

- - [Foreman](#)
    - - - [Foreman](#) :



:

- Astra Linux Special Edition .10015-01 ( 1.7), .10015-10
- Astra Linux Special Edition .10015-17
- Astra Linux Special Edition .10015-37 ( 7.7)
- Astra Linux Special Edition .10152-02 ( 4.7)

astra-ce (extended)

Foreman. . . [Astra Linux Special Edition x.7:](#) , .



!

Astra Linux,  
• , [Astra Linux Special Edition](#).

() [. 7.2.1]. Docker- rootless-, () [. 7.2.1] [. 7.2.7] .

## Foreman

Foreman - , , , , , , .

(provisioning) , ( Puppet, Ansible, Chef Salt) , , . Foreman , , .

Foreman :

- ( DHCP, DNS, TFTP PXE), ;
- , -, RESTful API.

Foreman Puppet, Foreman (.deb) .

Foreman:

- - , ;
  - PXE, ;
  - , ;
  - , ;
  - , ;
  - -, JSON REST API CLI Linux;
  - , ;
  - , (RBAC), Foreman LDAP FreeIPA;
  - :
    - : , ;
    - NIC: ( , , VLAN), ( , );
    - : ;
    - : ;
    - : Foreman Proxy DHCP DNS ( VLAN);
    - IPAM: DHCP , ISC DHCP, MS DHCP Infoblox, IP- « » Foreman;
    - DNS : DNS Foreman;
- :
  - PXE: Foreman PXE PXELinux, Grub, Grub2 iPXE ;
  - : ;
  - : libvirt / API / Foreman , PXE;
  - : , OpenStack, Rackspace, Amazon EC2 Google Compute Engine, Foreman UI / API / CLI;
  - : , , VLAN;
  - : , , CA;
  - IPv6 ;
  - ERB (Kickstart, Preseed), ( SSH, Ansible), ;
  - : ;
  - (, xxsmall, large, medium);
  - : Foreman ;
  - : , WebUI / CLI / API;
- , Foreman. csv, yaml, json. , ;
- , SSH Ansible. , , ;
- Puppet:

- Puppet ;
  - Puppet CA , ;
  - ( ) Puppet Master;
  - : , ;
- Ansible:
  - Ansible . , Ansible. / , , . Ansible . Foreman, Ansible;
  - :
- : : OpenSCAP, . XCCDF .
- : , deb puppet. , ;
- : (Content Views);
- :
- : , , , ;

Foreman :

- <https://theforeman.org/manuals/2.5/index.html>
- <https://theforeman.org/plugins/>
- <https://apidocs.theforeman.org/foreman/latest/apidoc/v2.html>

1. :

- ;
- ;

2. :

```
sudo apt update
```

3. :

a. , , shared-mime-info, :

```
sudo apt install shared-mime-info
```

b. foreman-installer:

```
sudo apt install foreman-installer
```

c. [Foreman-Puppet](#), [Foreman-Ansible](#).