

1.12

- :
- Linux Docker: Ubuntu Server 20.04 (), Astra Linux 1.7 (server), RedOS 7.3.1;
  - 12;
  - , ;
  - 200 ;
  - 1/.

sudo ()

```
:
```

```
echo "$(whoami) ALL=(ALL) NOPASSWD: ALL" | sudo EDITOR='tee -a' visudo
```

. sudo .

ECCM

, , tar- . . .

```
:
```

```
wget "https://cloud.eltex-co.ru/index.php/s/QWdrv7lvNVWNCbh/download?path=%2F&files=eccm-1.12.tar.gz" -O eccm-1.12.tar.gz
mkdir eccm
tar -zxvf eccm-1.12.tar.gz -C eccm/
```

docker docker-compose

— , , compose-tools.sh, --install:

```
cd eccm/1.12/
sudo ./compose-tools.sh --install
```

docker :

```
docker --version
```

docker-compose Ubuntu :

```
docker compose version
```

Astra Linux RedOS docker-compose :

```
docker-compose version
```

ECCM

ECCM , docker-compose. docker-:

- (PostgreSQL 14.5);
- ECCM.

, EDM.

« ».

ECCM

```
, , , 100. , . :
```

```
sudo ./compose-tools.sh -h
```

« [compose-tools.sh](#)».


ECCM

```
:
```

```
sudo ./compose-tools.sh --start <ECCM ADDRESS>
```

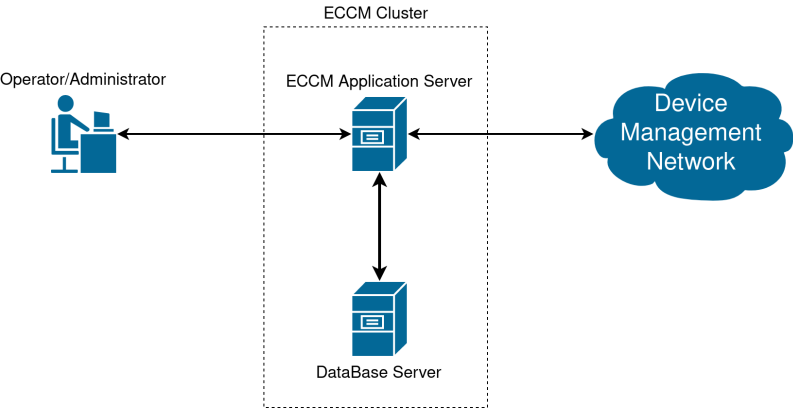
, \*\*ECCM ADDRESS\*\* — IP-, , 100.110.2.2, :

```
sudo ./compose-tools.sh --start 100.110.2.2
```

 ECCM ADDRESS , . , , --start ECCM ADDRESS.

```
:
```

```
sudo ./compose-tools.sh --stop
```



ECCM Application Server — , , , web- .

Database Server — Postgres14. .

Device Management Network — IP- , ECCM L3.

Operator/Administrator — , / ELTEX, .

, ( — Postgres, — ), . :

1. docker docker-compose ;
2. :

2.1. `/// "postgres/.env". , , "postgres/data/postgresql.conf" ( 100.);`

2.2. PostgreSQL . eccm/postgres :

```
cd eccm/postgers
docker compose up -d
```

3. :

3.1. , ECCM (web-, , ,/ .), "eccm/.env";

3.2. :

```
sudo ./compose-tools.sh --start <ECCM ADDRESS> --database-host <DB ADDRESS> --database-port <DB PORT>
```

, <DB ADDRESS> <DB PORT>— IP- , ., 100.110.2.2, 100.110.2.4, 5432, :

```
sudo ./compose-tools.sh --start 100.110.2.2 --database-host 100.110.2.4 --database-port 5432
```

, ECCM , , :

```
postgres/.env
postgres/data/postgresql.conf
eccm/.env
```

postgres/.env

postgres/.env , Postgres . :

COMPOSE_PROJECT_NAME	postgres	docker-compose ( , )
POSTGRES_TAG	1.12	postgres
POSTGRES_REGISTRY	hub.eltex-co.ru	docker-registry, postgres. ,
ROOT_POSTGRES_USER		,
ROOT_POSTGRES_PASSWORD		,
ECCM_DATABASE	eccm	eccm
IP_DATABASE	identity_provider_db	identity-provider
POSTGRES_TIMEZONE	Asia/Novosibirsk	, ( tz database, «Asia/Novosibirsk»)
POSTGRES_SHM_SIZE	2gb	Postgres
POSTGRES_PRIVILEGED_MODE	false	
POSTGRES_HOST	192.168.0.1	Postgres
LOGGING_MAX_FILES	5	-
LOGGING_MAX_FILE_SIZE	50M	-
LOGGING_COMPRESS	true	-
POSTGRES_CONFIGURATOR_REGISTRY	hub.eltex-co.ru	docker-registry, postgres-configurator. ,

POSTGRES_CONFIGURATOR_TAG	0.4	postgres-configurator
ENABLE_POSTGRES_CONFIGURATOR	true	postgres-configurator



postgres/data/postgresql.conf

, . 100. ECCM ELTEX.

eccm/.env


eccm/.env , . :

COMPOSE_PROJECT_NAME	eccm	docker-compose ( , )
ECCM_PROFILE	production	
ECCM_TAG	1.12	
ECCM_REGISTRY	hub.eltex-co.ru	docker-registry, . ,
ECCM_BACKBONE_ADDRESS	192.168.0.1	, ECCM
ECCM_WEB_ADDRESS	192.168.0.1	, web- ECCM
ECCM_WEB_PORT	80	web-
ECCM_TIMEZONE	Asia/Novosibirsk	, ( tz database, «Asia/Novosibirsk»)
ECCM_LOGLEVEL	'INFO'	
MAX_CONCURRENT_SSH_TASKS	20	
POSTGRES_HOST	192.168.0.1	, Postgres
POSTGRES_PORT	5432	Postgres
ROOT_POSTGRES_USER		,
ROOT_POSTGRES_PASSWORD		,
ECCM_POSTGRES_DB	eccm	eccm
ECCM_POSTGRES_USER		, ECCM_POSTGRES_DB
ECCM_POSTGRES_PASSWORD		, ECCM_POSTGRES_DB
IDENTITY_PROVIDER_POSTGRES_USER	ip-admin	identity-provider
IDENTITY_PROVIDER_POSTGRES_PASSWORD	ip-admin	, IDENTITY_PROVIDER_POSTGRES_DB
IDENTITY_PROVIDER_POSTGRES_DB	identity_provider_db	, IDENTITY_PROVIDER_POSTGRES_DB
ECCM_MONITORING_SERVICE_XMX	512M	docker-
CERT_PATH	./cert/server.crt	HTTPS
KEY_PATH	./cert/server.key	HTTPS
KEY_PASS_PATH	./cert/key.pass	HTTPS
ECCM_WEB_HTTPS_PORT	443	, ECCM HTTPS

LOGGING_ASPECT_ENABLED	false	<div><div></div><div></div><div></div></div> <div> </div> <div> (LOGGING_*) eccm</div>
LOGGING_MAX_FILES	5	-
LOGGING_MAX_FILE_SIZE	50M	-
LOGGING_COMPRESS	true	-

web-

web- ECCM :  
http://<IP- (ECCM\_WEB\_ADDRESS)>/

 'eccm', 'eccm'.

compose-tools.sh

--clean, -c	,
--delete-containers	
--dhcp	DHCP- Zero Touch Provisioning (ZTP),
--database-host <HOST>	IP- PostgreSQL, . , PostgreSQL
--database-port <PORT>	PostgreSQL, . , PostgreSQL
--help, -h	
--https	https.
--install	Docker Docker-compose
--interactive, -i	. --start
--load	.tar.gz docker
--logging, -l <LEVEL>	. : DEBUG, INFO
--logging-aspect	. , , .
--metrics, -m	. Grafana Prometheus. - Grafana http://<IP_ECCM>:3000
--pull, -p	/
--rootlog <LEVEL>	. : DEBUG, INFO
--save	docker- .tar.gz
--start, -s <ADDRESS>	IP-,
--stop	
--storage <ADDRESS>	ECCM (backbone).
--tracing, -t <ADDRESS>	Jaeger OpenTracing. IP- Jaeger-
--show-containers	

--show-images	
--recreate-service <SERVICE>	 <code>.env compose-</code>

Docker Docker-compose :

```
sudo ./compose-tools.sh --install
```

ECCM :

```
sudo ./compose-tools.sh --pull
```

:

```
sudo ./compose-tools.sh --start <ECCM ADDRESS>
```

, , :

```
sudo ./compose-tools.sh --start <ECCM ADDRESS> --database-host <DB ADDRESS> --database-port <DB PORT>
```

:

```
sudo ./compose-tools.sh --stop
```

, ECCM :

```
sudo ./compose-tools.sh --clean
```



--clean Postgres . ECCM .

--logging :

```
sudo ./compose-tools.sh --start <ECCM ADDRESS> --logging DEBUG
```

1.5 DHCP- Zero Touch Provisioning (ZTP), . . --dhcp :

```
sudo ./compose-tools.sh --start <ECCM ADDRESS> --dhcp
```

.tar.gz :

```
sudo ./compose-tools.sh --save
```

(.tar.gz) docker- :

```
sudo ./compose-tools.sh --load
```

( c .env compose-):

```
sudo ./compose-tools.sh --recreate-service monitoring-service
```

:

```
E:      conntrack
```

: .

: /etc/apt/sources.list :

```
echo "deb https://download.astralinux.ru/astra/stable/1.7_x86-64/repository-extended/ 1.7_x86-64 main contrib
non-free" | sudo tee -a /etc/apt/sources.list
sudo ./compose-tools.sh --install
```

:

```
ERROR: Couldn't connect to Docker daemon at http+[docker://localhost](docker://localhost) - is it
running?
```

: docker- . :

```
sudo systemctl status docker
```

Active Active (running), .

: docker :

```
sudo systemctl start docker
```

:

```
Got permission denied while trying to connect to the Docker daemon socket at [unix:///var/run
/docker.sock]
(unix:///intdocs.eltex.loc/var/run/docker.sock): Get http://%2Fvar%2Frun%2Fdocker.sock/v1.40
/containers/json:
dial unix /var/run/docker.sock: connect: permission denied
```

: , docker.

1(): docker :

```
sudo usermod -aG docker $(whoami)
```

2: root.

:

```
Services starting...
Creating network "eccm_eltex-internal" with the default driver
ERROR: Pool overlaps with other one on this address space
```

```
:, ECCM_INTERNAL_SUBNETWORK, docker.
```

```
: .env. docker- :
```

```
sudo docker network inspect $(docker network ls --filter "DRIVER=bridge" --format '{{ .Name }}') -f '{{ .Name
}}' {{ (index .IPAM.Config 0).Subnet }}
```

```
:
```

```
ERROR: error while removing network: network eccm_eltex-internal id
324bd72dd9c107cf2ea48effb75d9e7ad2dfbc8f5f7317b89cd7f318d61d5c4b has active endpoints
```

```
: docker .
```

```
: docker :
```

```
sudo systemctl restart docker
```

## ECCM

```
ECCM :
```

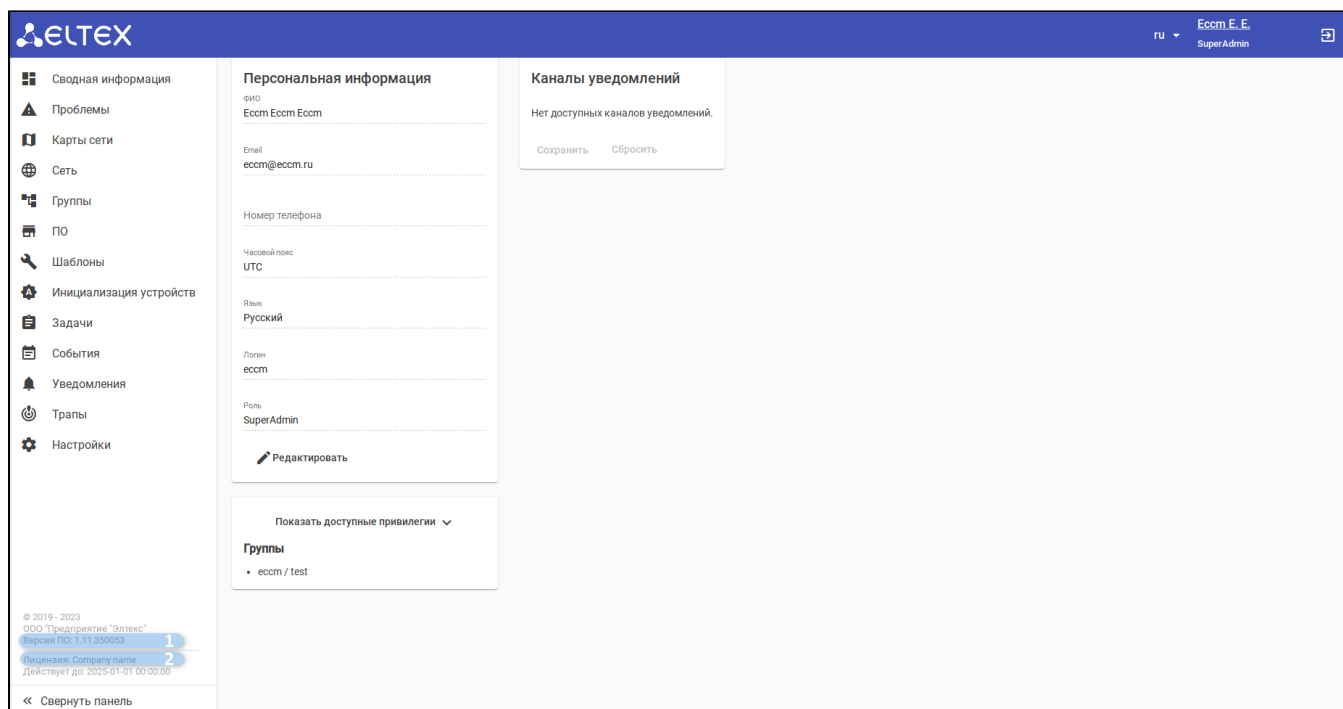
1. ECCM ;
2. , ( , , NAT, Proxy ..);
3. ( );
4. , GUI;
5. ( IP-, ), -.

## ECCM

```
ECCM :
```

1. , eccm-1.12.tar.gz.
2. tar.gz , \$ECCM\_ROOT/eccm/.env ( :ECCM\_TAG=1.12).
3. - ECCM:





- 1 — ECCM;
- 2 — .

- ECCM.

с ECCM, . Linux/Ubuntu.

:

1. ~/eccm:

```
cd ~/eccm
```

2. :

```
sudo ./technical_support.sh
```



3. , ;

4. <date\_time>-technical\_support.tar.gz.