

«CleverMeet» —

1. Назначение документа

«CleverMeet».

Linux

Docker.

2. Системные требования

:

	Ubuntu 22.04 LTS / Debian 12 / Astra SE 1.7+ / ALT Server 10+ / 7.3+	Ubuntu Server 22.04 LTS (long-term support)
	x86_64	x86_64
(CPU)	2 1.8	4 2.5
	4	8
	50 SSD	200 SSD
Docker Engine	24.0+	25.x
Docker Compose	v2.20+	v2.27+
	10 /	100 /

():

) : Chromium 120+, Google Chrome 120+, Mozilla Firefox 121+, Yandex Browser 24+, Microsoft Edge 120+.

) - / : , (),

) , HTTPS.

3. Состав дистрибутива

clevermeet-basic-2026-04-6.tar.gz,

:

/		
install.sh	()	Shell-
quickstart.sh	root	Shell-

	()	
smoke.sh	-	Shell-
compose.production.yaml	Docker Compose	YAML
bin/clevermeet-api		
web/	(SPA)	
keys/license-public.pem	(RSA-4096)	PEM-
deploy/templates/	(nginx, livekit, egress)	
deploy/scripts/render-configs.sh		Shell-
deploy/scripts/gen-self-signed.sh	TLS-	Shell-
docs/INSTALL.md		Markdown
docs/USER_GUIDE.md		Markdown
LICENSE.txt	()	JWS-
VERSION		

4. Установка ПО

Docker Compose ; — TLS-
TURN-

4.1. Сценарий 1: локальная установка (без публичного DNS)

TLS —

1.

```

sudo apt update
sudo apt install -y docker.io docker-compose-v2 openssl curl
sudo systemctl enable --now docker

```

Docker Hub
(100 IP- 6). NAT-
«You have reached your unauthenticated pull rate
limit».
/etc/docker/daemon.json «registry-mirrors»
Docker Hub — https://mirror.gcr.io (Google,

).

DOCKER_REGISTRY_MIRROR= ().

```

sudo mkdir -p /etc/docker
sudo tee /etc/docker/daemon.json >/dev/null <<'EOF'
{ "registry-mirrors": ["https://mirror.gcr.io"] }
EOF
sudo systemctl restart docker

```

2. :

```

tar -xzf clevermeet-X.Y.Z.tar.gz
cd clevermeet-X.Y.Z
sudo bash install.sh

```

3. — 2-3 .

```

)
INSTALL_DIR);
)
/var/lib/clevermeet (
)
/opt/clevermeet/.env ( 32 ,
— openssl rand);
)
TLS- 2 SAN
localhost, 127.0.0.1, LAN-IP IP,
PUBLIC_HOST;
)
Docker- clevermeet/backend:< >;
)
systemd- clevermeet.service

```

4.2. Сценарий 2: облачная установка (с публичным DNS и Let's Encrypt)

IP- .
: TLS- Let's Encrypt
ACME http-01, TURN-
, cron.

1. DNS :

1. A: meet.example.com < _IP_ >.
2. DNS (: dig +short @8.8.8.8 meet.example.com).
3. :

--	--	--

443 (8543)	TCP	HTTPS - WSS-
80 (8580)	TCP	HTTP- HTTPS, ACME http-01 ()
3478	UDP	STUN/TURN UDP fallback ()
5349	TCP/UDP	TURN over TLS ()
50000–50100	UDP	- WebRTC

2. certbot :

```
sudo apt install -y certbot
tar -xzf clevermeet-X.Y.Z.tar.gz
cd clevermeet-X.Y.Z
sudo DOMAIN=meet.example.com LE_EMAIL=admin@example.com bash install.sh
```

5. Проверка работоспособности после установки

smoke.sh,

```
PUBLIC_HOST=meet.example.com MODE=cloud bash /opt/clevermeet/smoke.sh
# либо для локального режима:
PUBLIC_HOST=<IP-сервера> MODE=local bash /opt/clevermeet/smoke.sh
```

«OK»:

4. TLS handshake / edge healthz — /healthz HTTPS 200.
5. Backend API — /api/v1/healthz 200.
6. SPA index — - .
7. - .
8. TURN-TLS 5349 ().
9. - UDP- 50000–50100.

6. Первый вход и создание учётной записи администратора

/opt/clevermeet/ .env,

(«operator»)

```
sudo bash /opt/clevermeet/scripts/bootstrap-admin.sh
```

«clevermeet-admin».

```

- https://< - >/
.
: «operator» - —
.env
.env

```

7. Управление работой ПО

systemd:

```

sudo systemctl start clevermeet # запуск
sudo systemctl stop clevermeet # остановка
sudo systemctl restart clevermeet # перезапуск
sudo systemctl status clevermeet # статус

```

:

```

docker compose -f /opt/clevermeet/compose.production.yaml logs -f
docker compose -f /opt/clevermeet/compose.production.yaml ps

```

8. Обновление и деинсталляция

```

install.sh :
.env,

```

Docker-

:

```

sudo systemctl stop clevermeet
sudo systemctl disable clevermeet
sudo rm /etc/systemd/system/clevermeet.service
sudo systemctl daemon-reload
docker compose -f /opt/clevermeet/compose.production.yaml down -v
sudo rm -rf /opt/clevermeet /var/lib/clevermeet /etc/clevermeet

```

9. Контактная информация производителя программного продукта

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