

- [libgost-astra](#)
- [openssl](#)



:

- 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 .10015-03 (7.6)
- Astra Linux Special Edition .10152-02 (4.7)
- Astra Linux Special Edition .10015-01 (1.6)
- Astra Linux Special Edition .10015-16 . 1
- Astra Linux Special Edition .10015-16 . 2
- Astra Linux Special Edition .10265-01 (8.1)
- Astra Linux Common Edition 2.12

libgost-astra

Astra Linux



libgost-astra

, openssl openvpn, :

- 34.10-2001 34.10-2012 - . , (. RFC 4357). :
 - 256 2001, 256/512 2012;
 - 512 2001 512/1024 2012;
- 34.11-94 . 256 ;
- 34.11-2012 . 256 512 ;
- 28147-89 - 256 . CBC, CFB CNT, "key meshing" (RFC 4357);
- 28147-89 . . 256 8 64 (32);
- 34.13-2015 - "" ("Grasshopper").

[synaptic](#),

```
apt install libgost-astra
```

openssl (/etc/ssl/openssl.cnf).



/usr/share/doc/libgost-astra/openssl.cnf.gz

, openssl , , /etc/ssl/openssl.cnf. , :

```
gunzip -c /usr/share/doc/libgost-astra/openssl.cnf.gz | sudo tee /etc/ssl/openssl.cnf1 > /dev/null
```

openssl genpkey, :

```
openssl genpkey -algorithm gost2012_256 -pkeyopt paramset:A -out seckey.pem
```


-algorithm , -pkeyopt . :


gost2001	0, A, B, C, XA, XB

gost2012_256	
gost2012_512	A, B

openssl

libgost-astra /etc/ssl/openssl.cnf


 openssl_conf = openssl_def

 [openssl_def]
engines = engine_section

[engine_section]
gost-astra = gost_section

[gost_section]
engine_id = gost-astra
dynamic_path = /usr/lib/x86_64-linux-gnu/engines-1.1/gost-astra.so
default_algorithms = ALL
CRYPT_PARAMS = id-Gost28147-89-CryptoPro-A-ParamSet

[gost_section]:

engine_id = gost-astra	<div>(- engine). gost-astra.</div> <div>openssl engine</div> <div>libgost-astra :</div> <div> # openssl engine (rand) Intel RDRAND engine (dynamic) Dynamic engine loading support (gost-astra) Astra implementation of GOST engine</div>
dynamic_path = /usr/lib /x86_64-linux-gnu /engines-1.1/gost-astra.so	<div>gost-astra.so. , , SSL (- 1.1., " "). , , , .</div> <div>openssl</div> <div>openssl version</div>

