# ViPNet PKI client  ifcp plugin  ()



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- 
    - Vipnet PKI Client Settings
    - Vipnet PKI File Unit
    - Web Unit, TLS Unit  CRL Unit
- ifcp
- 
    - 
    - 
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ViPNet PKI Client—  ,  .  , :

- ;
- ;
-  -;
-  TLS-.

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ViPNet PKI Client  :

- File Unit –  ;
- Web Unit –  ,  ;
- CRL Unit –  c  CRL;
- Certificate Unit –  ,  ;
- TLS Unit –  TLS-  ;
- ViPNet CSP -  .

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ViPNet PKI Client :

1. :

```
tar –xvf <  >/pki_client_linux-x86-64-dist.tar.bz2
```

2. *.itcslic ViPNet PKI Client.

3. ViPNet PKI Client.

4. install.sh :

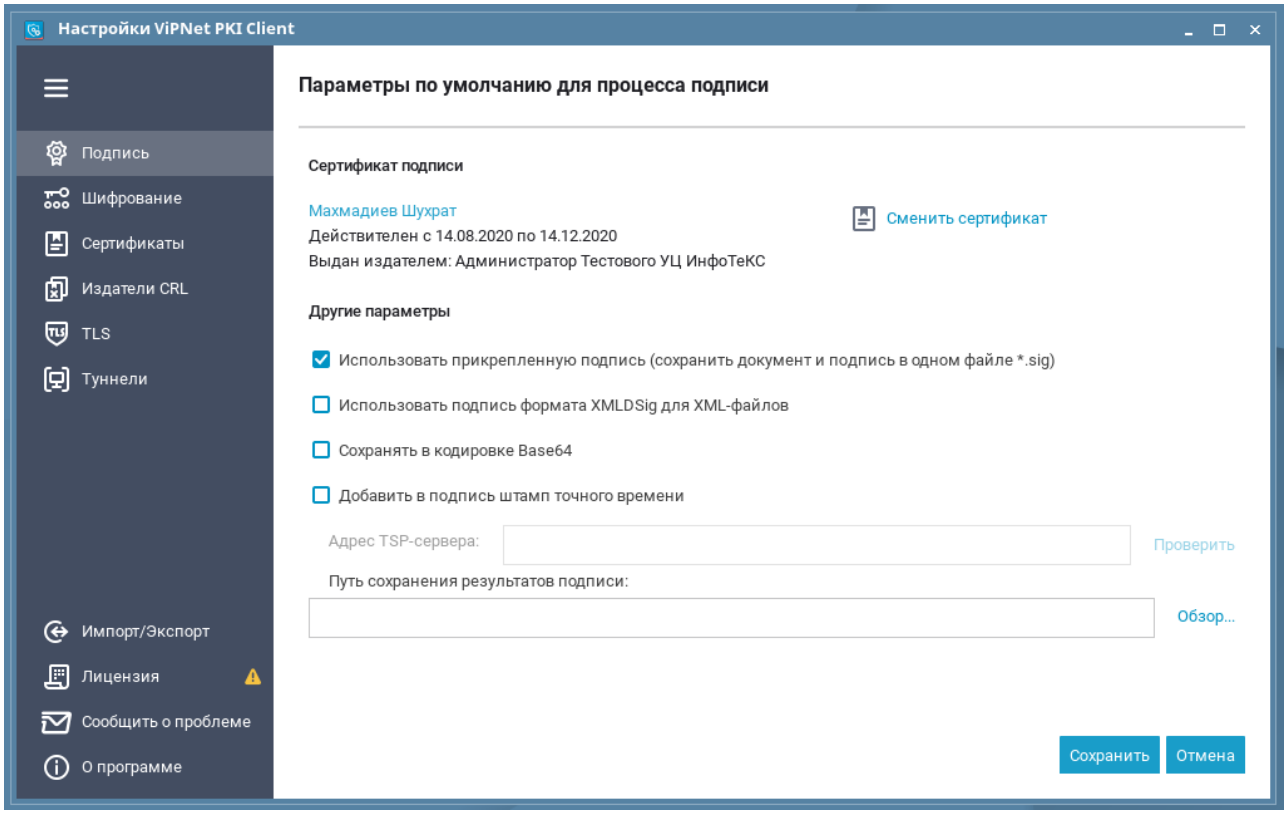
```
sudo ./install.sh
```

5. , . - , , . .

. ViPNet CSP 4.2.8, . .

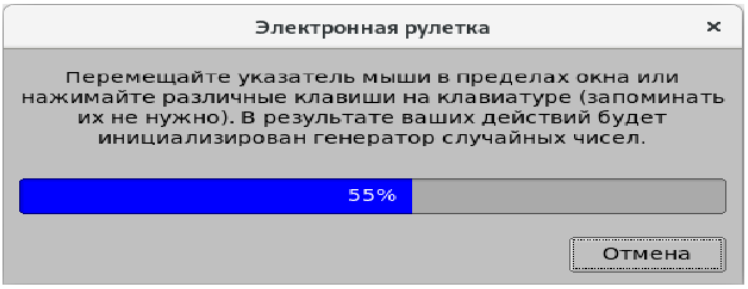
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### Vipnet PKI Client Settings

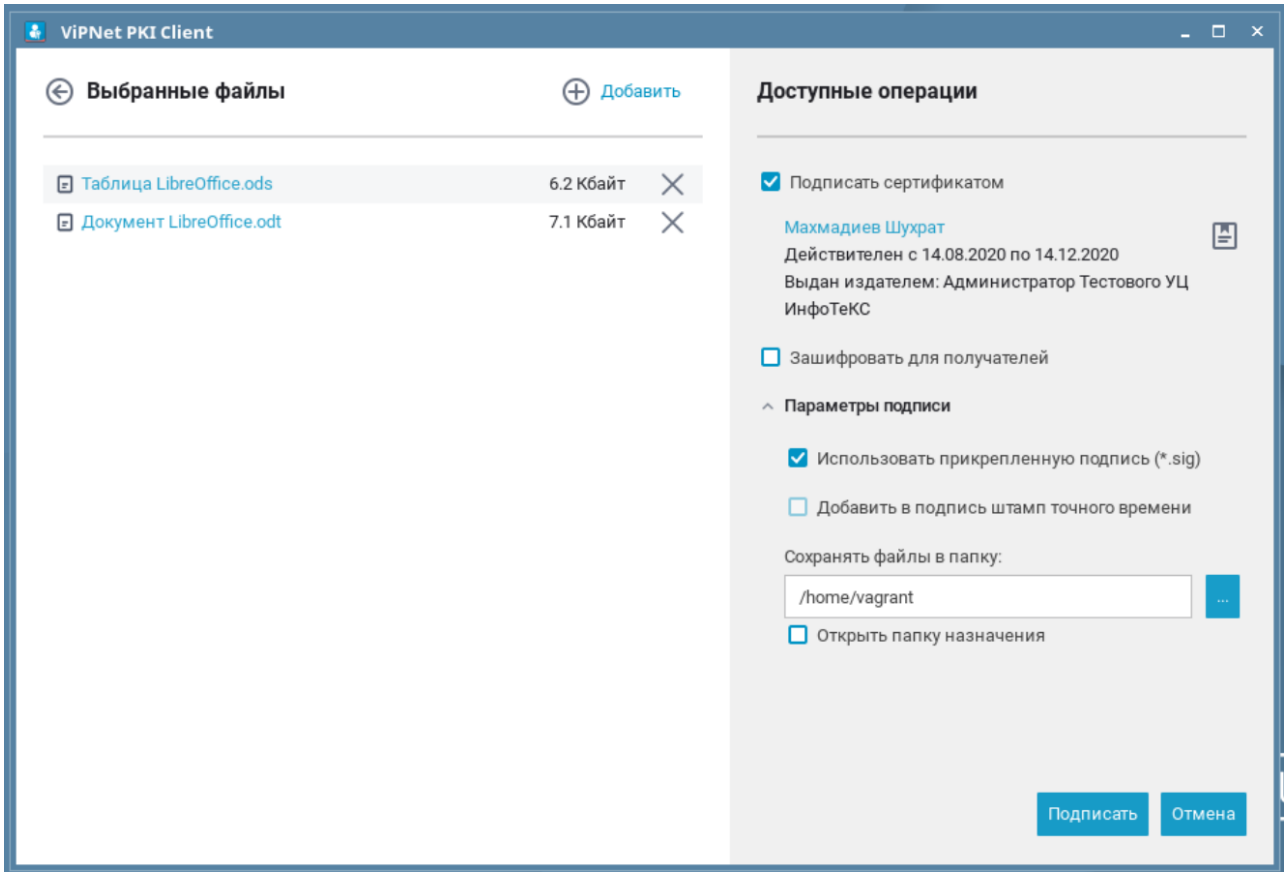



ViPNet PKI Client, ViPNet PKI Client Settings : /opt/itcs/bin/pki-client-settings

ViPNet PKI Client




### Vipnet PKI File Unit




**File Unit** — , :

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- ,

### Web Unit, TLS Unit CRL Unit

Web Unit, TLS Unit CRL Unit ( pki-client-crlunit) .

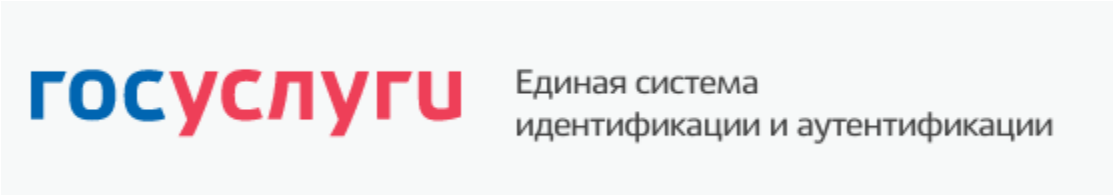
, :

Web Unit, ViPNet PKI Client Web Unit : /opt/itcs/bin/pki-client-web-unit

TLS Unit, ViPNet PKI Client TLS Unit : /opt/itcs/bin/pki-client-tls-unit

CRL Unit : /etc/init.d/pki-client-crlunit start systemctl start pki-client-crlunit

⚠ Astra Linux 1.5, : /etc/init.d/pki-client-crlunit start




# ifcp

uMy : CSP

Linux 4r4 .

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esia.gosuslugi.ru :

1) IFCP- «deb» — IFCPlugin-x86_64.deb : https://ds-plugin.gosuslugi.ru/plugin/upload/Index.spr

| | |
|---|---|
| Linux LSB 3.6/4.0 (deb-based), 32-bit | IFCPlugin-i386.deb |
| Linux LSB 3.6/4.0 (deb-based), 64-bit | IFCPlugin-x86_64.deb |

2) :

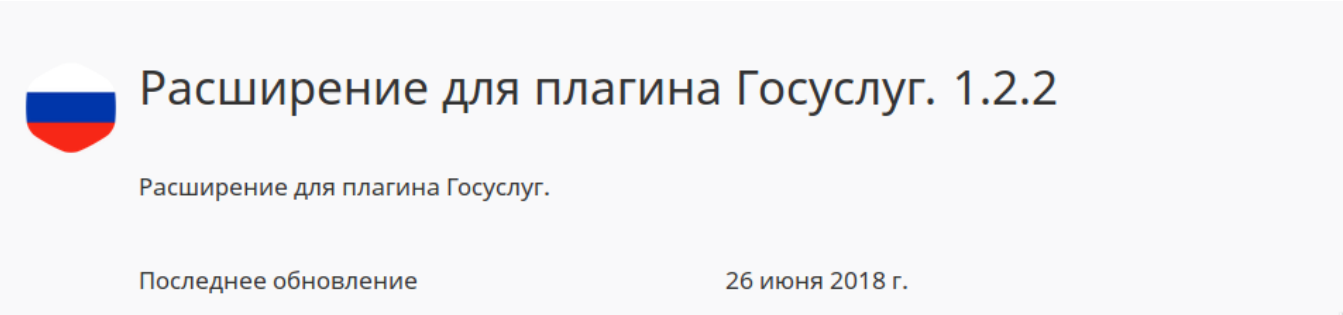
```
sudo dpkg -i IFCPlugin-x86_64.deb
```

3) chromium:

chromium

⚠ Chromium :

```
sudo ln -s /etc/opt/chrome/native-messaging-hosts/ru.rtlabs.ifcplugin.
json /etc/chromium/native-messaging-hosts
sudo ln -s /etc/opt/chrome/native-messaging-hosts/ru.rtlabs.ifcplugin.
json /etc/chromium/native-messaging-hosts/ru.rtlabs.ifcplugin.json
```




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4) IFCplugin /etc/ifc.cfg :

```
log = {
  level = "DEBUG";
}

config = {
  cert_from_registry = "false";
   set_user_pin = "false";
}

params =
(
   { name = "CryptoPro CSP";
      alias = "cprocsp";
      type = "pkcs11";
      alg = "gost2001";
      model = "CPPKCS 3";
      lib_linux = "/opt/cprocsp/lib/amd64/libcppkcs11.so";
   },

   { name = " VipNet CSP";
      alias = "VIPNet";
      type = "capi";
      provider_name = "Infotecs Cryptographic Service Provider";
      provider_num = "2";
      skip_pkcs11_list = "true";
   },

   { name = " VipNet CSP";
      alias = "VIPNet_linux";
      type = "capi_linux";
      provider_name = "Infotecs Cryptographic Service Provider";
      provider_num = "2";
      skip_pkcs11_list = "true";
   },

   { name = "  CSP";
      alias = "CryptoPro";
      type = "capi";
      provider_name = "Crypto-Pro GOST R 34.10-2001 Cryptographic Service Provider";
      provider_num = "75";
      skip_pkcs11_list = "false";
   },

   { name = "   CSP";
```

```
      alias = "CryptoPro_Rutoken";
      type = "capi";
      provider_name = "GOST R 34.10-2001 Rutoken CSP";
      provider_num = "75";
      skip_pkcs11_list = "false";
   },

   { name = " Signal-COM CSP";
      alias = "SignalCom";
      type = "capi";
      provider_name = "Signal-COM CPGOST Cryptographic Provider";
      provider_num = "75";
      skip_pkcs11_list = "false";
   },

   { name = " Signal-COM CSP";
      alias = "SignalCom_2012_256";
      type = "capi";
      provider_name = "Signal-COM GOST R 34.10-2012 (256) Cryptographic Provider";
      provider_num = "80";
      skip_pkcs11_list = "false";
   },

   { name = " Signal-COM CSP";
      alias = "SignalCom_2012_512";
      type = "capi";
      provider_name = "Signal-COM GOST R 34.10-2012 (512) Cryptographic Provider";
      provider_num = "81";
      skip_pkcs11_list = "false";
   },

   { name = " LISSI-CSP";
      alias = "LISSI-CSP";
      type = "capi";
      provider_name = "LISSI-CSP";
      provider_num = "75";
      skip_pkcs11_list = "false";
   },

   { name = "JaCarta ";
      alias = "JaCarta";
      type = "pkcs11";
      alg = "gost2001";
      model = "eToken GOST,JaCarta GOST 2.0";
      lib_win = "jcPKCS11-2.DLL";
      lib_linux = "libjcPKCS11-2.so.2.4.0";
      lib_mac = "jcPKCS11-2";
   },

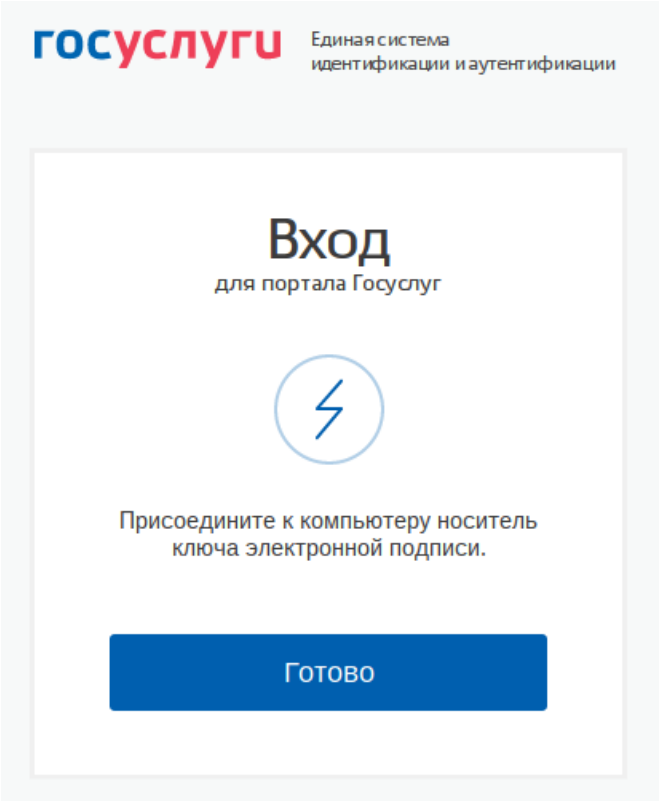
   { name = "  ";
      alias = "ruTokenECP";
      type = "pkcs11";
      alg = "gost2001";
      model = "Rutoken ECP";
      lib_win = "rtpkcs11ecp.dll";
      lib_linux = "librtpkcs11ecp.so";
      lib_mac = "librtpkcs11ecp.dylib";
   }
);
```

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, live :

```
tail -f /var/log/ifc/engine_logs/engine.log
```

: esia.gosuslugi.ru




9) , "", :

# Выбор сертификата ключа проверки электронной подписи

**АКЦИОНЕРНОЕ ОБЩЕСТВО "НАУЧНО-ПРОИЗВОДСТВЕННОЕ ОБЪЕДИНЕНИЕ РУССКИЕ БАЗОВЫЕ ИНФОРМАЦИОННЫЕ ТЕХНОЛОГИИ"**

Издатель: Министерство обороны Российской Федерации
Кому выдан:
Действителен: с 02.10.2018 по 02.10.2019

**CRYPTO-PRO Test Center 2**

Издатель: CRYPTO-PRO Test Center 2
Кому выдан:
Действителен: с 05.08.2014 по 05.08.2019

**Махмадиев Шухрат**

Издатель: Тестовый удостоверяющий центр
Кому выдан:
Действителен: с 20.09.2018 по 20.09.2026

