

Installing Parallels Client for Linux

- Parallels Remote Application Server 18.2
- Parallels Remote Application Server 19.1
- Parallels Remote Application Server 18.3
- Parallels Remote Application Server 18.0
- Parallels Remote Application Server 19.0
- Parallels Remote Application Server 18.1

Installation Procedure - GUI

Installation via GUI is only valid on DEB and RPM versions.

- Download package from parallels.com/products/ras/download/links/ and store it locally.
- Install package using the default package installer.

Installation Procedures - CLI

DEB Version

- Download the deb package from parallels.com/products/ras/download/links/ and store it locally.
- Switch to the root user.
- To install type:

```
dpkg -i RASClient.deb
```

Note - If the installation fails because of missing dependencies, try installing these dependencies using the following command :

```
apt-get -f install
```

- Client for Linux binaries are now installed under:

```
/opt/2X/Client/bin
```

- Run the following command to launch Client:

```
/opt/2X/Client/bin/2XClient
```

- You can also run the following commands to obtain a list of all usage parameters for Client session:

```
cd /opt/2X/Client/bin
```

```
./appserverclient -?
```

RPM Version

- Download the rpm package from parallels.com/products/ras/download/links/ and store it locally.
- Switch to the root user.
- Input command as per below example depending on Client version you would like to install:

```
rpm -ivh RASClient-xx.xx.xxxx_x86_x64.rpm
```

- If you experience dependencies error, please run the following command for installation and confirm dependencies fix:

```
yum install RASClient-xx.xx.xxxx_x86_x64.rpm
```

- Client for Linux binaries are now installed under:

```
/opt/2X/Client/bin
```

- Run the following command to launch Client:

```
/opt/2X/Client/bin/2XClient
```

- You can also run the following commands to obtain a list of all usage parameters for Client session:

```
cd /opt/2X/Client/bin
```

```
./appserverclient -?
```

.TAR.BZ2 Version

- Download the tar package from parallels.com/products/ras/download/links/ and store it locally.
- Switch to the root user.
- Switch to the directory containing Parallels Client, e.g.:

```
cd /home/<username>/Downloads
```

- To install type:

```
tar jxvf RASClient.tar.bz2 -C /
```

- Parallels Client for Linux binaries are now installed under:

```
/opt/2X/Client/bin
```

It is recommended that the post install script is launched in order to register icons, mimetypes, url schema and databases configurations. This script is located under: `/opt/2X/Client/scripts/install.sh`

- Run the following command to launch Client:

```
/opt/2X/Client/bin/2XClient
```

- You can also run the following commands to obtain a list of all usage parameters for Client session:

```
cd /opt/2X/Client/bin
```

```
./appserverclient -?
```

Note: To unregister the components registered during installation it is recommended to launch the uninstall script located under: `/opt/2X/Client/scripts/uninstall.sh`

SSO (Single Sign On) Installation Procedures

Depending on the package used to install the Client, the SSO installation procedure may vary:

Already available with Client package:

- TAR package - Run script at location `/opt/2X/Client/scripts/install.sh`.
- RPM package - Manual installation is required.

Separate package to Client:

- Debian package - Requires Client pre-installed. Install package using the default package installer.

Manual installation procedure (RPM Required)

- Install pam_2xclient.so module to have Single Sign On for Client.

Note - this file is located under `/opt/2X/Client/lib/security/pam_2xclient.so` no matter the package used.

- The module always returns true and will use an authentication token that will be provided by a higher authentication module.

Note: When a higher authentication module has been configured to SUFFICIENT, it will return on success immediately and pam_2Xclient.so won't be called. Please change SUFFICIENT TO REQUIRED.

- To install Client PAM module, add two lines to your session manage service (eg. `/etc/pam d/gdm`):

```
auth optional pam_2xclient.so
password optional pam_2xclient.so
```

Module arguments:

Debug: Debug trace will be written to `/tmp/pam_2xclient.log`. If the file cannot be opened, then syslog will be used.

You can use debug argument with all module types. EG. `Session optional pam_2xclient.so debug`

- The module will create an SSO cookie only for well known session services.
 - You can change the list of services to allow: EG. `auth optional pam_2xclient.so gdm kde kdm-kde4`
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