

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 <u>parallels.com/products/ras/download/links/</u> and store it locally.
- Install package using the default package installer.

Installation Procedures - CLI

DEB Version

- Download the deb package from <u>parallels.com/products/ras/download/links/</u> 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 <u>parallels.com/products/ras/download/links/</u> 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 <u>parallels.com/products/ras/download/links/</u> 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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