IsoplotRserver

All needed to build a IsoplotR server. 搭建 IsoplotR 服务器所需内容

本文档中文原版

IsoplotRgui

This repo is the steps fo building a server of **IsoplotR**. **IsoplotR** is writen by Pieter Vermeesch.

Download A Packed up Virtual Machine wtih IsoplotRserver/Gui built inside

Username : isoplotr Password : isoplotr

Baiduyun Code : 96zh

Onedrive

For Docker User

```
docker run -t -i -p 3838:3838  chinageology/isoplotrserver
cd /etc/init.d
sh update
shiny-server
```

For example, the IP of your docker conatiner is 10.10.10.10, then you can visit 10.10.10.10:3838/IsoplotRshiny/ to use isoplotr.

For Ubuntu 18.04 server ONLY

Install **R**(http://r-project.org) fisrt. You need version 3.5.3.

Import the key in your terminal:

```
sudo apt-key adv --keyserver keyserver.ubuntu.com --recv-keys E084DAB9
```

Then edit your sources.list:

```
nano /etc/apt/sources.list
```

Add the R 3.5.3 source for Ubuntu 18.04:

```
# add bionic R3.5
deb https://cloud.r-project.org/bin/linux/ubuntu bionic-cran35/
```

Save the change and apt update:

```
sudo apt update
```

Install dependencies:

```
sudo apt install r-base r-base-dev
sudo apt install build-essential libcurl4-gnutls-dev libxml2-dev libssl-dev gdebi
git
```

Install devtools(run the code below in terminal, not in R!):

```
sudo su - -c "R -e
\"install.packages('devtools',repos='http://cran.rstudio.com/')\""
```

Install the Shiny Version 1.2.0, other versions don't support IsoplotRgui right now.

```
#sudo su - -c "R -e
\"install.packages('shiny',repos='http://cran.rstudio.com/')\""
#sudo su - -c "R -e \"devtools::install_github('rstudio/shiny',force=TRUE)\""
#Ignore this line and the two lines above
sudo su - -c "R -e \"devtools::install_version('shiny',version = '1.2.0', repos =
'http://cran.rstudio.com/')\""
```

Install IsoplotR and IsoplotRgui:

```
sudo su - -c "R -e \"devtools::install_github('pvermees/IsoplotR',force=TRUE)\""
sudo su - -c "R -e
\"devtools::install_github('pvermees/IsoplotRgui',force=TRUE)\""
```

Install Shiny Server

Install gdebi and wget.

```
sudo apt install gdebi-core wget
```

Then use wget to download rstudio server and shiny server deb, after which use gdebi to install them.

```
wget https://download2.rstudio.org/rstudio-server-1.0.136-amd64.deb
sudo gdebi rstudio-server-1.0.136-amd64.deb
wget https://download3.rstudio.org/ubuntu-14.04/x86_64/shiny-server-1.5.9.923-
amd64.deb
sudo gdebi shiny-server-1.5.9.923-amd64.deb
```

Test your server

Clone this repo to get the files for the IsoplotR server:

```
git clone https://github.com/chinageology/IsoplotRserver
```

Get into the cloned folder `IsoplotRserver`, copy the who folder `IsoplotRshiny` to `/srv/shiny-server/`:

```
cd IsoplotRserver
cp -R IsoplotRshiny /srv/shiny-server/
```

Then visit http://yourserverip:3838/IsoplotRshiny/

Update A Installed Server To Latest

Update IsoplotR to the latest on github:

```
sudo su - -c "R -e \"devtools::install_github('pvermees/IsoplotR',force=TRUE)\""
```

Git clone the latest version of IsoplotRgui, and then copy all inside `IsoplotRgui/inst/shiny-examples/myapp/` to your server location, here as `/srv/shiny-server/IsoplotRshiny/`:

```
cd /tmp
git clone https://github.com/pvermees/IsoplotRgui
cd IsoplotRgui/inst/shiny-examples/myapp/
sudo cp -R * /srv/shiny-server/IsoplotRshiny/
```

Community Servers

http://isoplotr.london-geochron.com

Further information

See http://isoplotr.london-geochron.com

Author

Pieter Vermeesch

This repo is built by CycleUser

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