Getting Started with ThinLinc Connection to Gilbreth and Use RStudio

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January 17, 2023

What you will learn

1. What is ThinLinc and how to use it to connect to a remote graphical desktop session
   - Use ThinLinc Client to connect to Purdue's Gilbreth cluster

2. Start RStudio with R 4.1.2 from Gilbreth Compute Desktop

ThinLinc

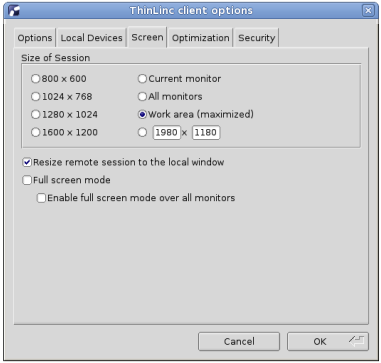
- ThinLinc is a service that allows you to connect to a persistent remote graphical desktop session.
- Purdue ITaP Rosen Center for Advanced Computing (RCAC) provides ThinLinc so that users can run graphical applications or graphical interactive jobs directly on Gilbreth or several other RCAC high performance computing (HPC) clusters through a persistent remote graphical desktop session.
- There are two ways to use ThinLinc: the native client (ThinLinc Client) or through a web browser.
- Here are the instructions to install and use ThinLinc Client or to use ThinLinc through a web browser to connect to the Gilbreth cluster.

ThinLinc Client Connection to Gilbreth

- The native client is a better choice than the web browser version because it permits copy-and-paste from and to your other desktop applications, such as Word or PDF viewers.
- Establishing a connection. Be sure to disable the full-screen mode:
  - Start the Client
  - 

  - Fill in "Server:" **desktop.gilbreth.rcac.purdue.edu**
  - Fill in your Purdue career account username in "Name".
  - Enter your career account password (not Boilerkey) in "Password"
  - Click the "Options..." button

ThinLinc Client Connection to Gilbreth



- Choose the “Screen” tab among the options
- Deselect “Full screen mode” and “Enable full screen mode over all monitors”
- Select “OK” to return to client screen
- Click “Connect” to establish connection

Start RStudio

- In the ThinLinc remote desktop on Gilbreth, select the "Terminal Emulator" on the bottom to start using command lines.

- Before launching R the first time, follow the instruction here to create a .Rprofile: https://www.rcac.purdue.edu/knowledge/gilbreth/run/examples/apps/r/rprofile
- To launch Rstudio, type the following sequence:
  module load rstudio
  rstudio &