

Obtaining desktop GIS software

Fall 2024 and Spring 2025

v. 16 August 2024

Introduction

There are currently three ways you can obtain desktop GIS software:

- (1) download ArcGIS Pro 3.x (PC only) from RIT's ArcGIS Online.
- (2) use the software in a public lab on the RIT campus if you are on campus in rooms GOL 2000/2025, GOL2350 and the Magic Labs of 3110,2150,2175.
- (3) use the Remote Laboratory Emulation System (RLES) environment access to the software using a virtual machine, and

Option 1 is perhaps the easiest options as you can then have the software on your own (PC-only) machine and will have for 1 year (long after the class is over).

Option 1:

A. Before you install ArcGIS Pro 3.X

1. Check:

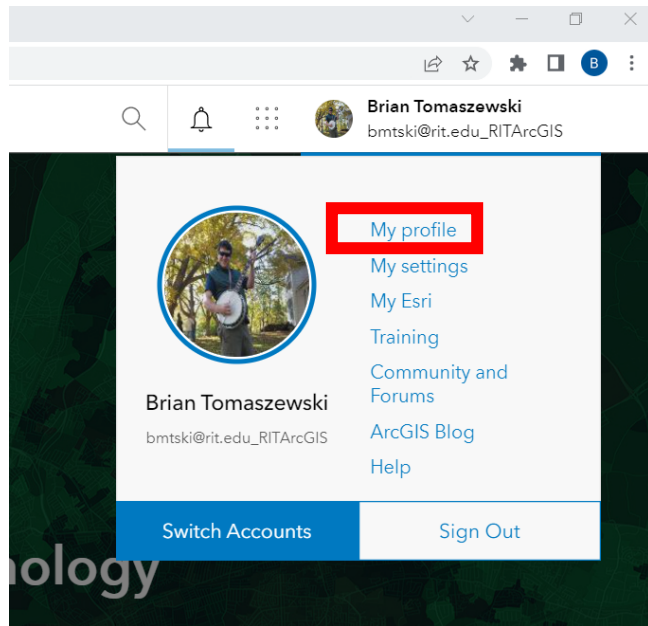
<https://pro.arcgis.com/en/pro-app/latest/get-started/arcgis-pro-system-requirements.htm>

to make sure your computer has the hardware and software required.

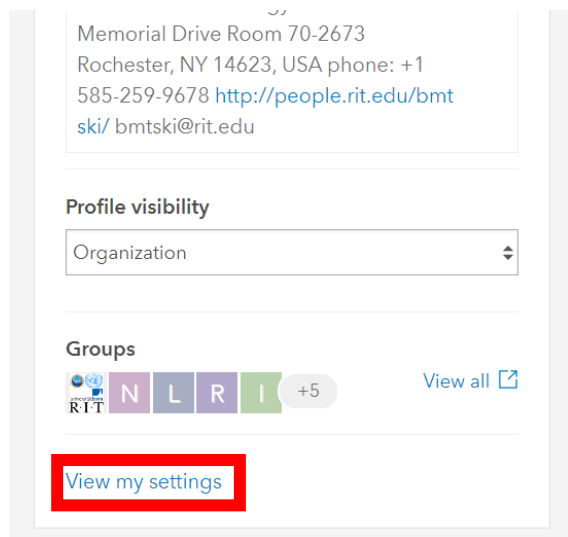
B. Access the software via RIT's ArcGIS Online

**** Note: Before you begin these steps, contact your instructor to obtain a subscription to RIT's ArcGIS Online**

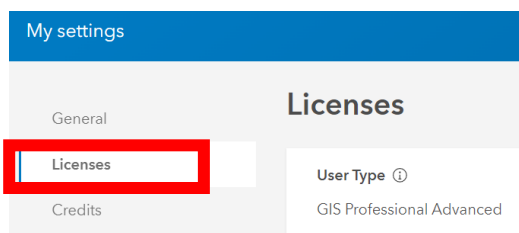
1. Visit: <https://ritarcgis.maps.arcgis.com/> to begin the process of activating and downloading your ArcGIS for Desktop Student Trial software.
2. Log in using your RIT Account (like you were checking your email).
3. After logging in, on top right under your user name, select My Profile



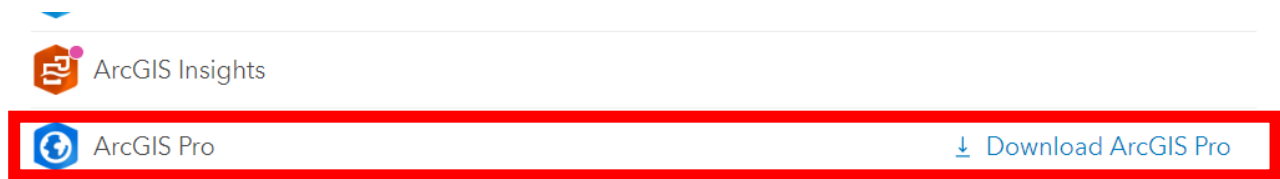
4. On the page that follows, on the bottom left, select View my settings:



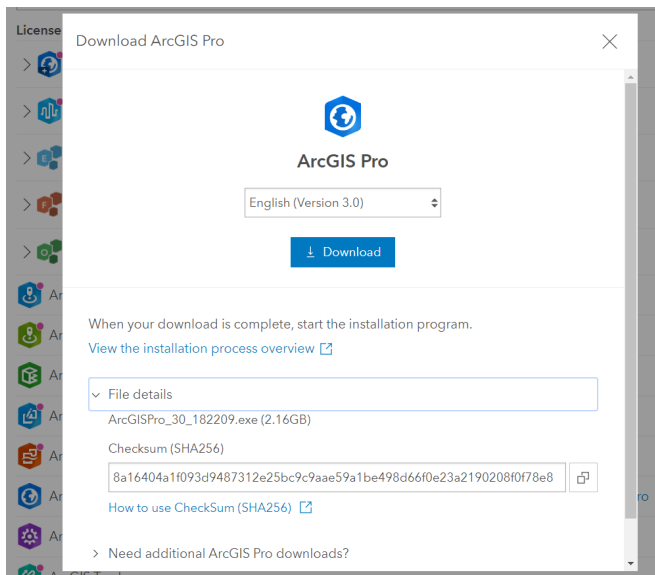
5. On the page that follows, on the top left, select Licenses:



6. Scroll down the licenses page until you see ArcGIS Pro Download ArcGIS Pro



7. Click the download ArcGIS Pro link to access the software, note that ArcGIS Pro 3.X is a large download (~2.16 gb)



C. Double check these [Software Requirements from Esri](#) before installing ArcGIS Pro.

Once you have installed ArcGIS Pro, follow these steps to login:

When opening the software for the first time, if you see a login prompt, enter your RIT credentials:

RIT | Rochester Institute of Technology

RIT

Login to ritarcgis.maps.arcgis.com

Username

RIT Username

Password

Password

Login

[Forgot Username?](#) | [Forgot Password?](#)
[Change Password](#)

☒ Sign in automatically [Configure Licensing](#)

[Sign In Using Browser](#)


If you see a different screen and need to select an enterprise login

enter:

ritarcgis

ArcGIS Sign In

ArcGIS Pro wants to access your ArcGIS Online account information ?

Sign in with 

ArcGIS login

Enterprise login

Your ArcGIS organization's URL


ritarcgis


X

.maps.arcgis.com

☐ Remember this URL

Continue

 Facebook

 Google


[Privacy](#)

☒ Sign me in automatically

use your RIT Credentials to login in (like you were checking your email)

ArcGIS Sign In

ArcGIS Pro wants to access your ArcGIS Online account information ?

Sign in to Rochester Institute of Technology with 

Enterprise login ^

RIT

ArcGIS login v

[Privacy](#)

☒ Sign me in automatically

ArcGIS Sign In

RIT | Rochester Institute of Technology

RIT Login

Login to ritarcgis.maps.arcgis.com

RIT Username

Password

[Forgot Username?](#) | [Forgot Password?](#)

Need assistance? Please contact the ITS Service Desk at
585-475-HELP [4357] or servicedesk@rit.edu.

☒ Sign me in automatically

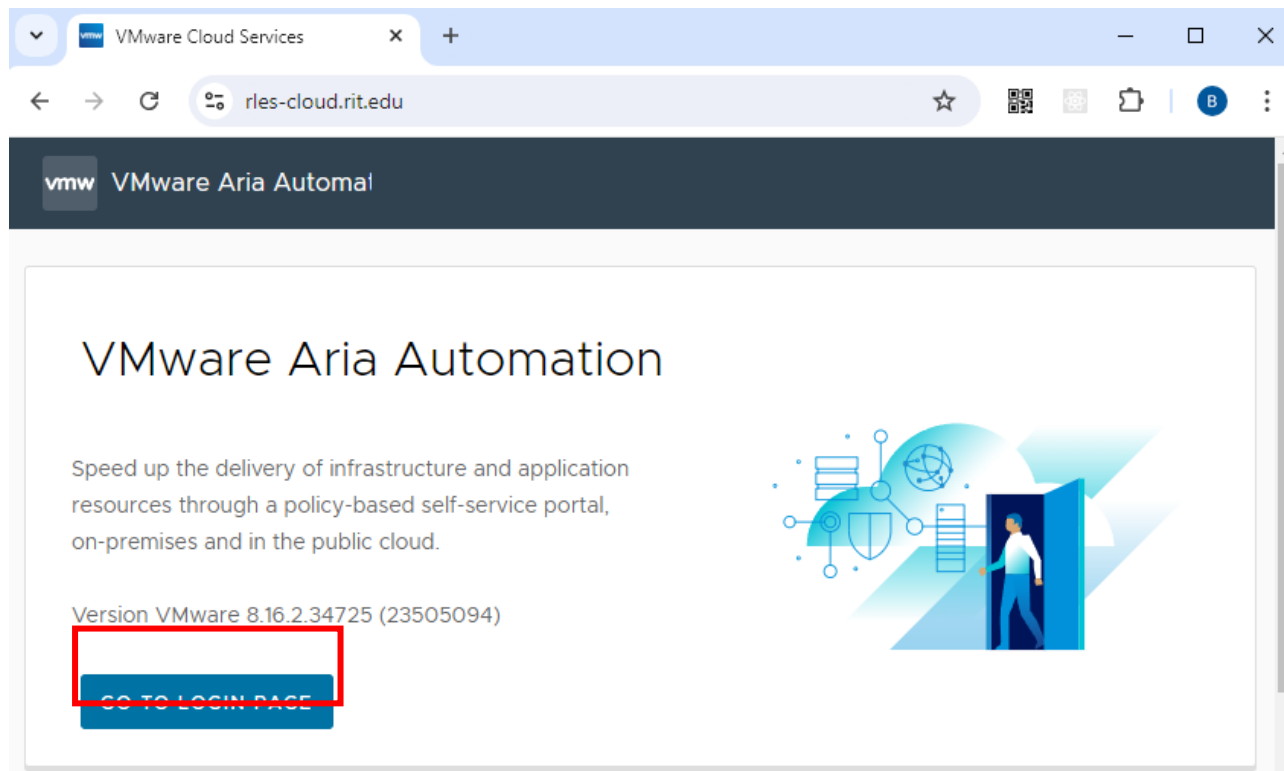
Option 2:

If you are on the RIT campus, you can access ArcGIS Pro in GOL 2000/2025, GOL2350 and the Magic Labs of 3110,2150,2175.

Option 3: *The Remote Laboratory Emulation System (RLES) environment access to the software*

*Note: Steps 1 to 10 are instructions for accessing RLES for the first time. If you have already logged into RLES previously, [start at this step \(step 10\)](#) for accessing your Remote Console after a previous RLES login.

1. Navigate to <https://rles-cloud.rit.edu/>
2. Click the "GO TO LOGIN PAGE" button.



3. Ensure "main.ad.rit.edu" is displayed below the username and password fields. If it is not, click the "Change to a different domain" link, select "main.ad.rit.edu" in the drop down menu, and click the "Next" button.

username

password

main.ad.rit.edu

Sign in

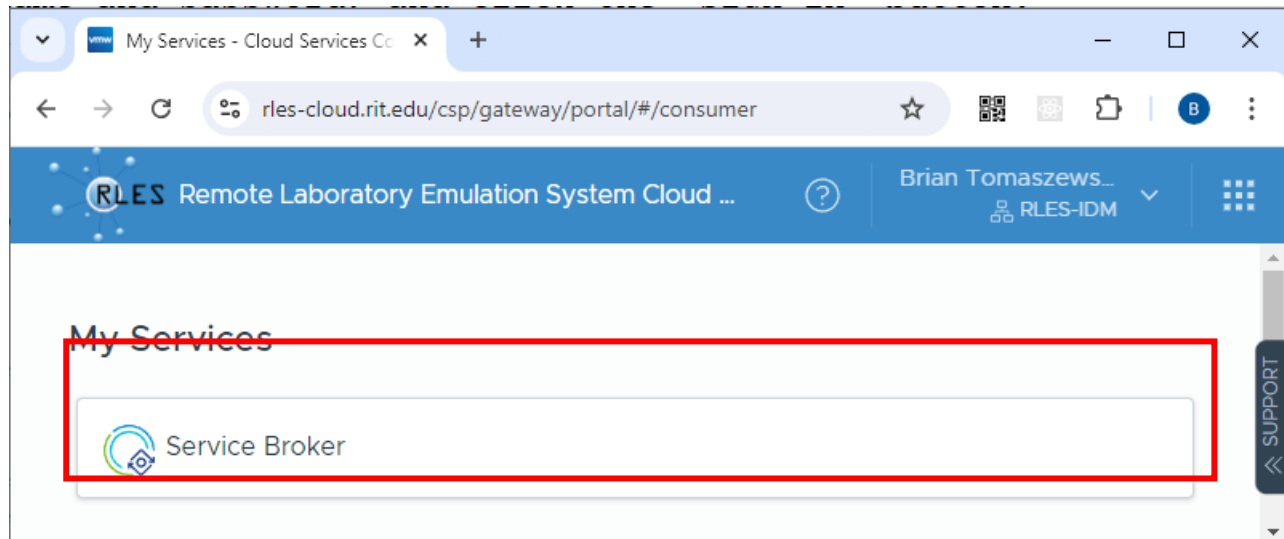
[Forgot password?](#)

[Change to a different domain](#)

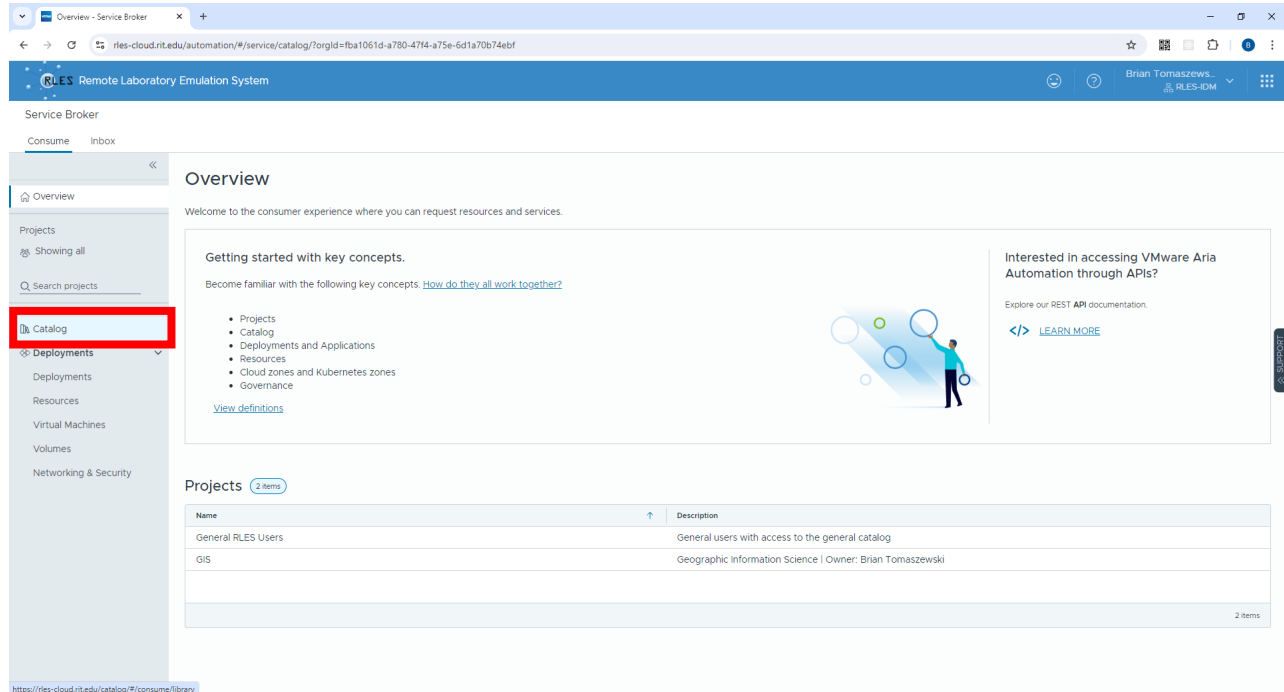
vmware

4. Enter your username and password, and click the "Sign in" button.

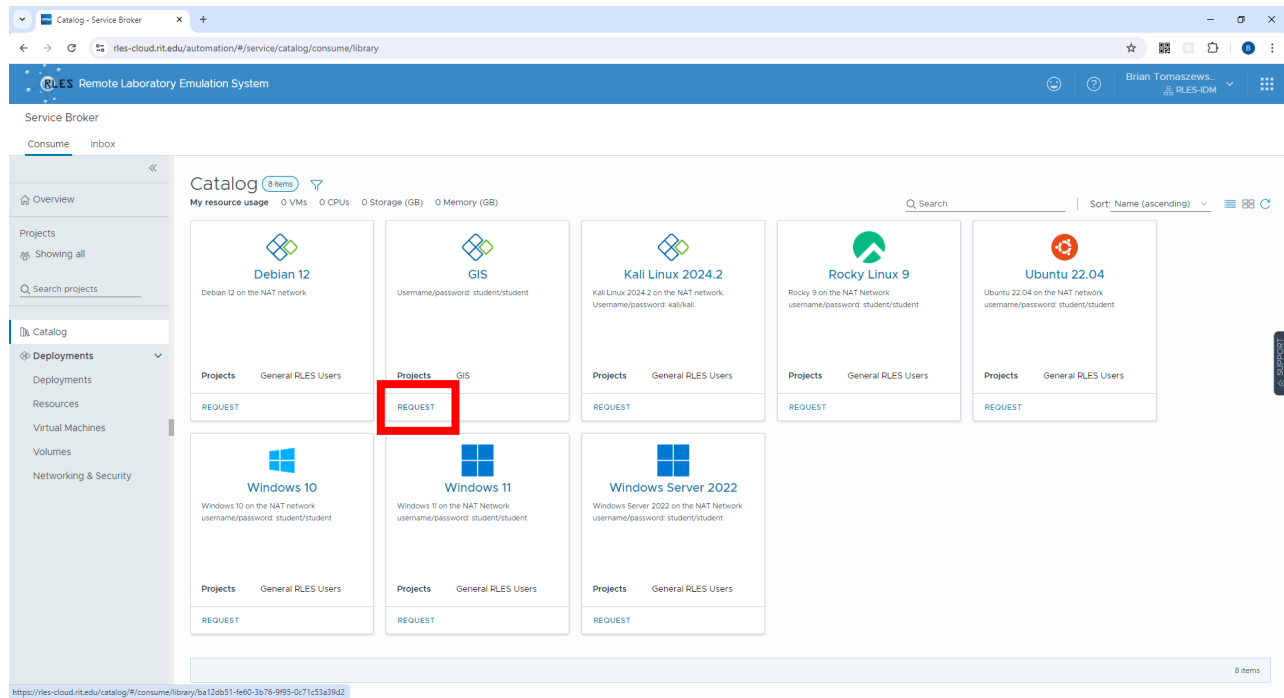
5. Click the "Service Broker" button.



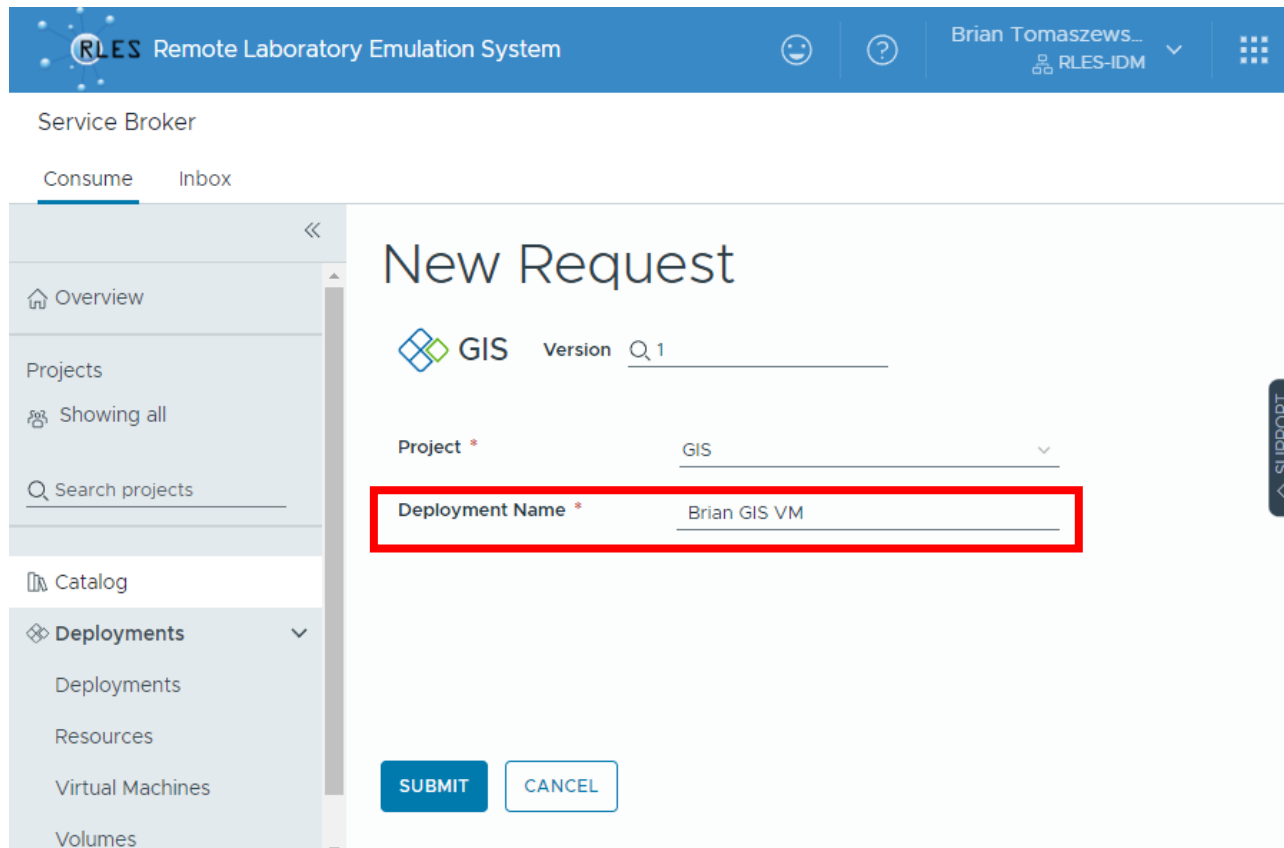
6. Click "Catalog" on the left side of the window.



7. Click the "REQUEST" link in the "GIS" tile.





8. Enter a name in the "Deployment Name" field (name shown here is a representative example).




9. Click the "SUBMIT" button.

RLES Remote Laboratory Emulation System



Brian Tomaszews...
RLES-IDM



Service Broker

ConsumeInbox

<<

Overview

Projects

Showing all

Search projects

Catalog

Deployments


Deployments

Resources

Virtual Machines

Volumes

New Request

 GIS Version

Project *

GIS

Deployment Name *

Brian GIS VM

SUBMIT

CANCEL

SUPPORT

10. When your deployment completes, click the deployment name in the "Deployments" list.

The screenshot shows the RLES Remote Laboratory Emulation System interface. The top navigation bar is blue and contains the RLES logo, the text "Remote Laboratory Emulation System", a smiley face icon, a question mark icon, the user name "Brian Tomaszews...", the text "RLES-IDM", and a dropdown arrow. Below the navigation bar, the "Service Broker" section is visible, with "Consume" and "Inbox" tabs. The left sidebar contains a list of navigation items: "Overview", "Projects" (with "Showing all" and a search bar), "Catalog", "Deployments" (selected, with a dropdown arrow), "Deployments", "Resources", "Virtual Machines", and "Volumes". The main content area is titled "Deployments" and shows a table with one item. The table has columns for "Name" and "Owner". The "Name" column contains a link to "Brian C15 VM" and the "Owner" column contains the user "bmtski". A red rectangle highlights the "Name" column header. At the bottom of the table, there is a "Manage Columns" button and a pagination bar showing "Deployments per page 20" and "1 deployments". A "SUPPORT" button is visible on the right side of the interface.

RLES Remote Laboratory Emulation System

Service Broker

Consume Inbox

Deployments 1 items

Search deployments

Name	Owner
Brian C15 VM	bmtski

Manage Columns

Deployments per page 20 1 deployments

SUPPORT

11. Click the "ACTIONS" drop down menu next to "Windows 10" in the bottom right pane.

Service Broker

Consume Inbox

Brian GIS VM

Create Successful ACTIONS | ↻

No description

Owner: bmtski
Requestor: bmtski
Project: GIS
Template: GIS, version: 1

Expires on: Nov 14, 2024, 1:16:00 PM
Deletion scheduled: Nov 28, 2024, 1:16:00 PM
Last updated: Aug 16, 2024, 2:18:49 PM
Created on: Aug 16, 2024, 2:16:47 PM

HIDE SUMMARY ^

Topology History User Events

Search resources

Deployments

Resources

Virtual Machines

Volumes

Networking & Security

NAT Network

Windows 10

CLOSE

Windows 10 ACTIONS

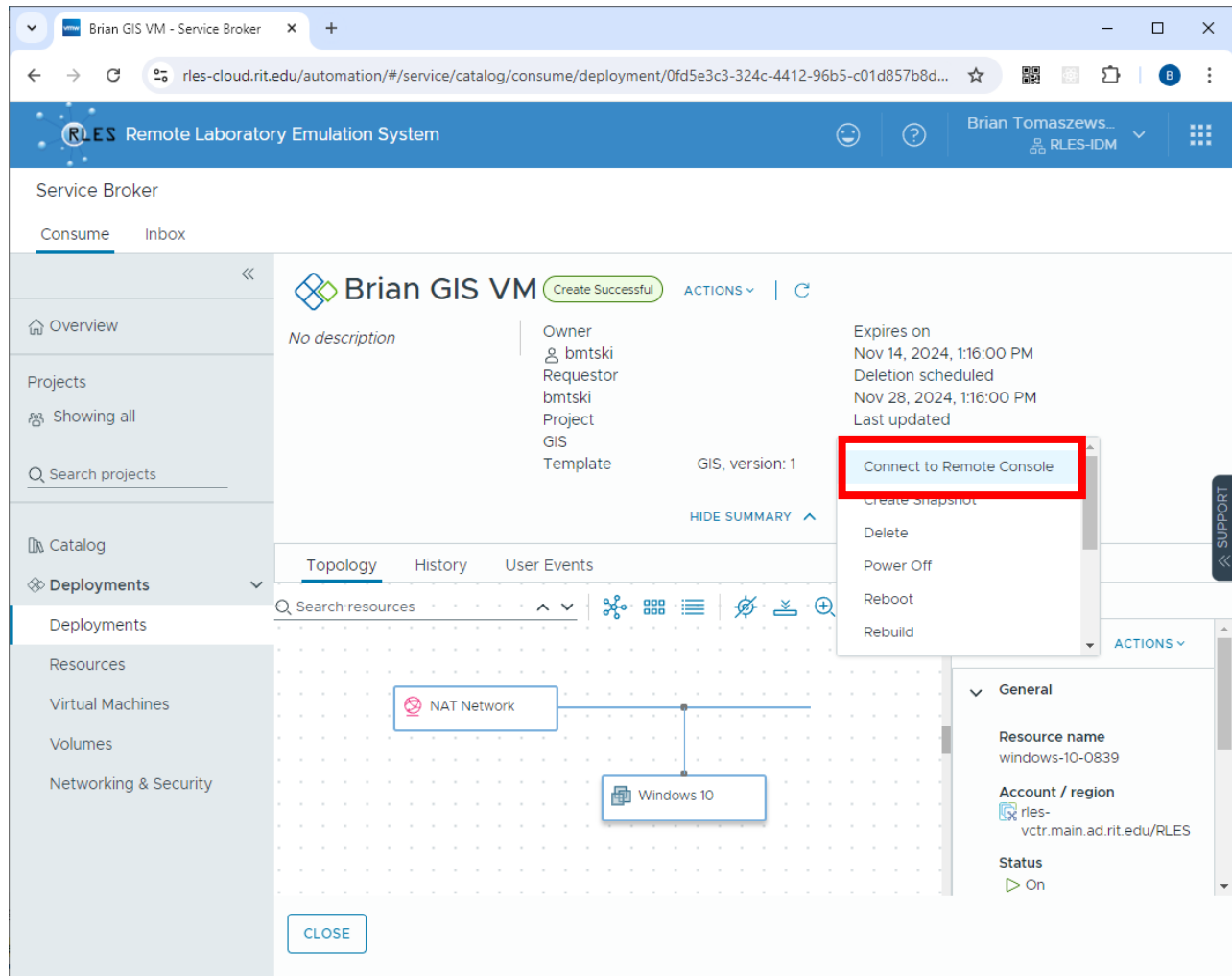
General

Resource name: windows-10-0839

Account / region: rles-vctr.main.ad.rit.edu/RLES

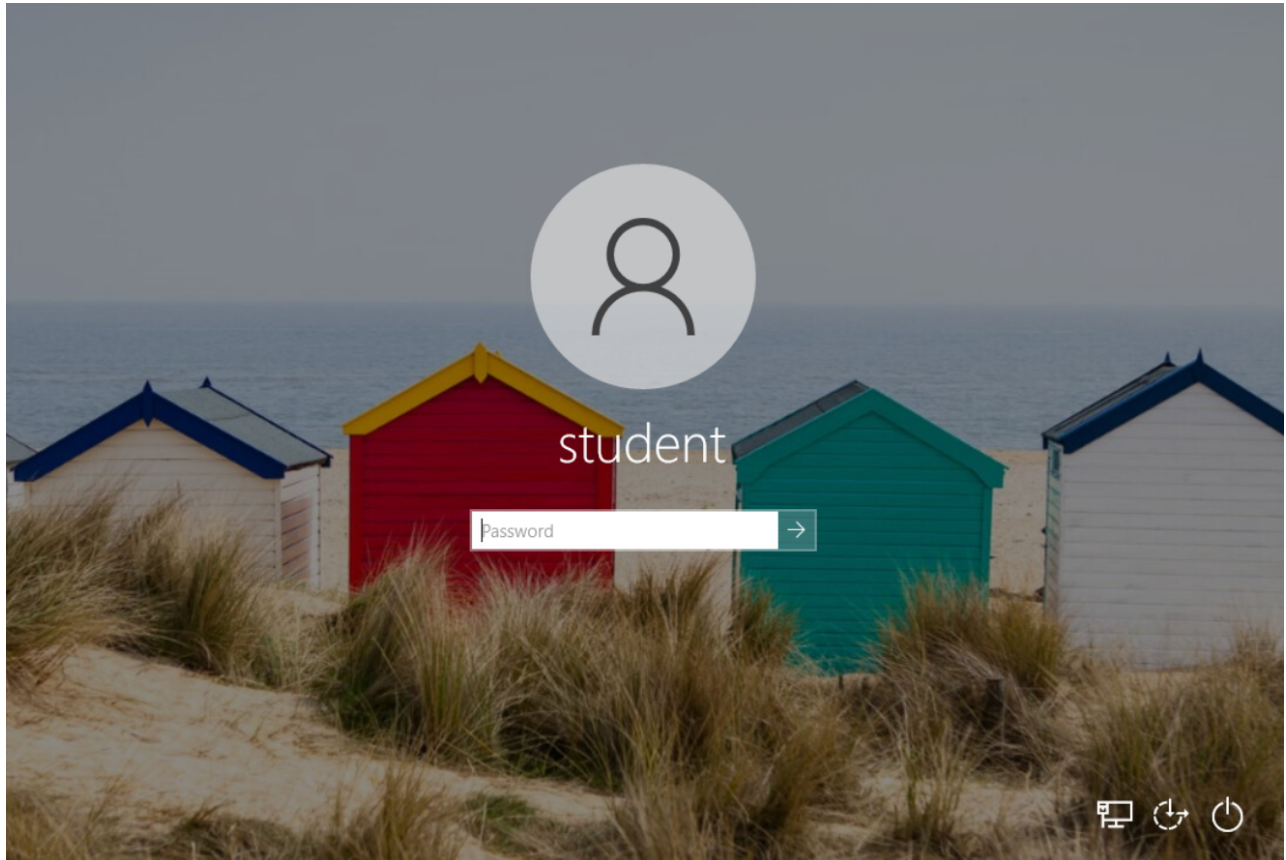
Status: On

12. Click "Connect to Remote Console"



A popup window will open with the Remote Console, and you will be able to interact with the Remote Console.

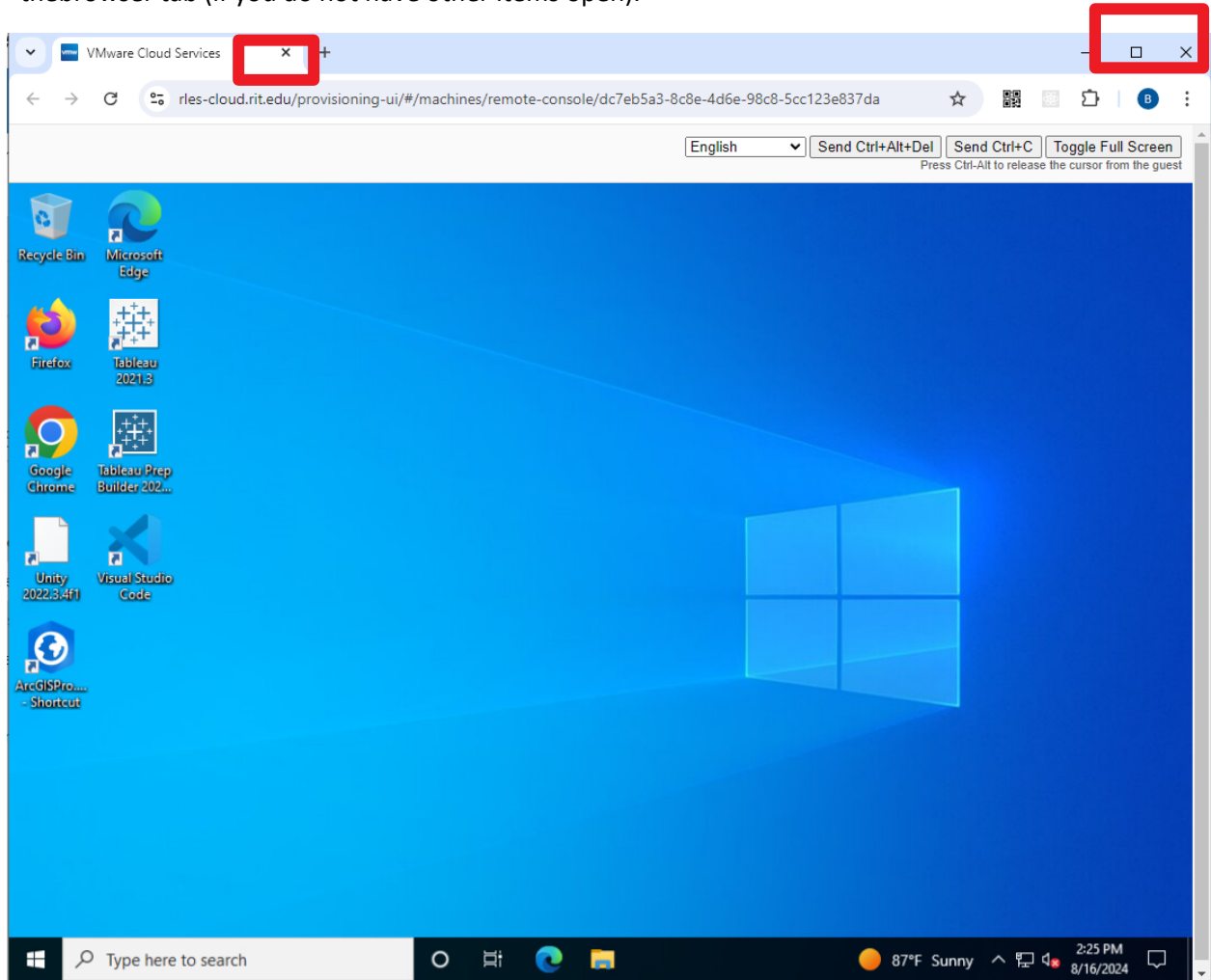
1. The default view looks like this:



The password to login in is: **student**

Note that you can store downloaded items on the machine but there is no way to directly transfer files onto the Remote Console like you would do with a USB stick drive. It is recommended you use a web-based approach such as google drive or dropbox if you need to get files onto the Remote Console.

2. When you are done working with your Remote Console, close the Remote Console window by clicking the X at the top right of the window (if the window is in its own browser) or by closing the browser tab (if you do not have other items open).



3. To shutdown your Remote Console, select Power Off from the Actions menu.

The screenshot displays the RLES Remote Laboratory Emulation System interface. The top navigation bar includes the RLES logo, the text 'Remote Laboratory Emulation System', and a user profile for 'Brian Tomaszewski'. The main content area is titled 'Brian GIS VM' with a 'Create Successful' status. It shows metadata such as 'Owner: bmtski', 'Requestor: bmtski', 'Project: GIS', and 'Template: GIS, version: 1'. A table on the right lists dates for expiration, deletion, and updates. The 'Actions' menu is open, with 'Power Off' highlighted in a red box. The interface also features a 'Topology' tab showing a diagram with 'NAT Network' and 'Windows 10' components, and a 'General' tab on the right with details like 'Resource name: windows-10-0839' and 'Status: On'.

Service Broker
Consume Inbox

Overview
Projects
Showing all
Search projects

Catalog
Deployments
Deployments
Resources
Virtual Machines
Volumes
Networking & Security

Brian GIS VM Create Successful ACTIONS | [C](#)

No description

Owner: bmtski
Requestor: bmtski
Project: GIS
Template: GIS, version: 1

Expires on: Nov 14, 2024, 11:00 PM
Deletion scheduled: Nov 28, 2024, 11:00 PM
Last updated: Aug 16, 2024, 2:18:49 PM
Created on: Aug 16, 2024, 2:16:47 PM

HIDE SUMMARY

Topology History User Events

Search resources

Windows 10

Rebuild

ACTIONS

General

Resource name: windows-10-0839
Account / region: rles-vctr.main.ad.rtt.edu/RLES
Status: On
Address: 192.168.200.60
Compute host: RLES vRA / vRA-VMs
Type: Cloud vSphere Machine

Storage
Network
Custom properties