MSIA computing resources

updated 2022/08/25

link to current version: [MSIA computing resources.docx](https://nuwildcat.sharepoint.com/:w:/s/MCC-MSIA/EeN5LcsfMvxKqiMiBwarll4BIAQQhpnYxdasL-Xu3oB2Dg)

NetID & password are universal login credentials

Unless stated otherwise, all servers require a connection to the campus network, such as Wi-Fi or VPN

campus Wi-Fi network setup: [Northwestern KB](https://kb.northwestern.edu/search.php?q=eduroam)

VPN setup guide: [Setting up and using GlobalProtect VPN](https://kb.northwestern.edu/page.php?id=94726)

TEAM / KINIT

“Team” is a shared Windows drive available on most servers

* the deepdish cluster’s “Team” is shared with the Jupyter server

permissions are generally given per-folder to groups, like capstone or course projects

“kinit” is a command entered into a remote server’s shell to get access to the Team drive

* generally, needs to be entered every week

DEEPDISH CLUSTER

MSIA’s GPU computation servers

server addresses:

msia-deepdish1.ads.northwestern.edu

msia-deepdish2.ads.northwestern.edu

msia-deepdish3.ads.northwestern.edu

msia-deepdish4.ads.northwestern.edu

access via SSH, https for jupyterhub

shared NFS "home" directory

“team” network drive shared with Jupyter server

installed software includes python, CUDA, Tensorflow-GPU, Docker

JUPYTER

MSIA's dedicated JupyterHub server

server address:

msia-jupyter.ads.northwestern.edu

access via SSH, https for jupyterhub

shared NFS "home" directory

shared “team” network drive

PG

MSIA's PostgreSQL server

server address:

pg.analytics.northwestern.edu

access via SSH or through psql/pgAdmin

shared NFS “home” directory

shared “team” network drive

RSTUDIO

MSIA's RStudio server

server address:

rstudio.analytics.northwestern.edu

access via SSH, https for RStudio

shared NFS "home" directory

shared “team” network drive

TS2

MSIA's Remote Desktop (RDP) server

server address:

ts2.lab.analytics.northwestern.edu

access via RDP client, available on Windows and Mac

* in Windows, “Remote Desktop Connection” is built in
* in MacOS, “Microsoft Remote Desktop” is available from the app store

login credentials may require your NetID to be prefixed with mcc\, e.g. mcc\abc1234

WOLF

MSIA's Hadoop/Spark cluster

server address:

wolf.analytics.private

access via SSH