New Faculty Orientation
Technology Session
Research Resources
August 2017
MSU Information Technology
Support and Design Resources
The MSU community is expected to comply with the university's Accessibility policies. For information and resources, visit http://webaccess.msu.edu/
The MSU IT Learning Design team provides instructional design and assessment support such as:

- Step-by-step instructional design assistance
- Help to develop and implement course learning objectives
- Feedback gathering and analysis

For more information, visit: https://tech.msu.edu/teaching/instructional-design-development/
The MSU Academic Profile (AP) system is used to:

- Organize and build reports on teaching, research and service activities.
- Annual activity reports
- Promotion and tenure documents
- Accreditation reports
- Your CV
- Your profile on your campus website
- Enable MSU to communicate more effectively about your accomplishments.

http://academicprofile.msu.edu
Cloud Resources

https://itservices.msu.edu/guidelines-policies/cloud-computing-appropriate-use.html
Collaboration Tools

Google Apps

- **Google Calendar**
  Organize schedules and share events and calendars with others.

- **Google Drive and Docs**
  Share documents, spreadsheets, and presentations. Collaborate in real-time with your team or with your whole school. You can publish final documents to the entire world, too.

- **Google Sites**
  Work together to keep related documents, Web content, and other information in one place on one site.

**Avoid Google Apps for Confidential Data.** MSU has executed a Google Apps Education Edition (EE Apps) Agreement with Google for MSU-specific access to Google Apps. MSU is obligated to protect certain types of data. Confidential information, such as student information and data, should not be used within EE Apps. Please see the [Appropriate Use of the Michigan State University Google Apps Education Services document](https://help.msu.edu) for additional guidance.

**Browser compatibility.** Google Apps will support the current and prior major release of Chrome, Firefox, Internet Explorer and Safari on a rolling basis. Each time a new version is released, Google will begin supporting the latest update and stop supporting the third-oldest version.

If you have any questions regarding use of MSU Education Edition Apps, please contact IT Services Support at (517) 432-6000 or submit an [eSupport Inquiry](https://help.msu.edu).

MICHIGAN STATE UNIVERSITY

SPARTANS WILL.
Server Co-location

Colocation Service allows researchers to place their existing servers in a rack in the Computer Center Datacenter with secure access.
Data Storage & Archive

- **AFS space** can be used to back up files, post personal websites, and access files.
- Departmental units and current MSU student, faculty, and staff members receive 1 gigabyte of AFS space.
- Additional AFS space for affiliated users and departments may be purchased with an MSU departmental account number.

*How you store data depends on the nature of your data, and the degree of security required to protect your data against unauthorized access or accidental loss.*

*Even if you don’t deal with sensitive information, your data may be crucial to university business, and you should protect it against technical problems or malicious activity.*
Data Storage & Archive

Home > Storage

Storage Solutions
How you should store data depends on the nature of your data, and the degree of security required to protect your data against unauthorized access or accidental loss.

Even if you don’t deal with sensitive information, your data may be crucial to university business, and you should protect it against technical problems or malicious activity.

Enterprise Storage
Storage Options at MSU

Contact
For more information on storage solutions, contact the IT Services Support Desk at (517) 432-6200.

To obtain an enterprise storage solution, submit a request form.
File Transfer

FileDepot is a convenient and simple way to transfer files within Michigan State University or with colleagues outside the university. Please do not use FileDepot for the transfer of sensitive institutional data without first encrypting the files using these guidelines. If you are transferring sensitive institutional data within the University you may use FileDepot Internal. Learn more about which data are considered sensitive at the Securing Institutional Data website.

If you are an MSU user, you may login here:

- **Login**: Log in with your MSU credentials to avoid additional verification later in the process.

Anyone may perform the following activities:

- **Drop off (upload)**: a file for an MSU user (email verification required) (Customers have reported problems using some versions of Google Chrome and Safari without dropoffs).
- **Pick up**: Pick up (download) a file dropped off for you.

**More Details**
- If you are NOT a member of the MSU community, you can't log in to FileDepot, but you can still send files to people at Michigan State University if you know their email addresses. Start by clicking on the Drop off File button.
- If you are a member of the MSU community, and want to ask someone outside the university to send you a file, you can make the process easier by logging in and then clicking the Request 'File Drop' button. This means the person outside MSU doesn't need to verify who they are, making the process quicker on that end.
- Files are automatically deleted from FileDepot 14 days after you upload them.
- Further details about FileDepot and FileDepot Internal.

https://filedepot.msu.edu/  
https://filedepot-internal.msu.edu/
Michigan State University is implementing an enterprise-level Research Administration software application, Kuali Coeus, to administer research proposals over various aspects of their entire life-cycle. The implementation of Kuali Coeus at MSU will include modules to administer Preaward, Award, and Compliance activities associated with research either proposed or funded by external (non-MSU) sources.

http://kc.vprgs.msu.edu/about
Remote Access

Welcome to the
MSU SSL VPN Web Portal

SSL VPN Upgrade and Move to New Client

The MSU SSL VPN will be upgraded on August 6, 2015.
The upgrade allows us to improve and maintain this service, as well as add support for Windows 10.

Following this upgrade, Windows users will be prompted to install the new VPN client called Pulse Secure.
Support for the legacy Network Connect client will be deprecated.

Mac OS X users should follow the Quick Start Installation Guide to install the Pulse Secure desktop client.
This guide also provides installation instructions for Android, iOS, and Windows clients.

IT administrators can find instructions for downloading and testing the Pulse Secure client in the SSL VPN Guide for IT Administrators.

If you need assistance or more information, please contact the MSU IT Service Desk at (517) 432-6200 or itservice@msu.edu.

https://vpn.msu.edu/
Video Conferencing

https://tech.msu.edu/conferencing/
MSU Campus Support Resources
Data Services assists researchers with data and statistical resources across the entire research lifecycle, as both consumers and producers of data.

To explore this resource, visit the Data Services home page:

https://www.lib.msu.edu/about/data/

Data Services
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**Find Data**
- Data & Statistics Research Guides
- Data Analysis
- How to Find Data & Statistics

**Related Services**
- Research Data Management Guidance
- Digital Text Services

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**Data Services**

Data Services assists researchers with data and statistical resources across the entire research lifecycle, as both consumers and producers of data.

**Identify & Access Data and Statistics**

- E-Resources and Research Guides
  - Commonly used data and statistics E-Resources
  - How to find data and statistics: Librarian caliber search strategies
  - Data and statistics by subject: Top sources for tracking down data
  - Data analysis: Campus resources, statistical software manuals, and research methods literature

**Create & Manage Your Data**

- Research Data Management Guidance
  - Advising, training, and resources to help you plan for and implement a system of care for your research data in order to ensure a (re)usable resource.
  - Consultation on grant-funder mandated data management plans.
  - Connection to campus resources that facilitate the collection, organization, storage, sharing, and preservation of original MSU produced research data.
Institutional Data Policy

Michigan State University protects the security and integrity of its institutional data without hindering the effective and efficient use of those data. The purpose of this policy is to establish minimum requirements for the appropriate stewardship of institutional data.

https://tech.msu.edu/about/guidelines-policies/msu-institutional-data-policy/
Research Integrity Officer

The University is accountable for the proper maintenance and availability of primary research data created or collected by university personnel. Sponsors of university research, federal and state oversight agencies, or journals and other colleagues in the field may need or be legally entitled to review primary research data well after publication or dissemination of results.

https://rio.msu.edu/research-data
MSU Scholars is a directory of research expertise of experts in various disciplinary areas and enables collaboration.

To explore this resource, visit the MSU Scholars home page:

http://scholars.opb.msu.edu/
Research Support Centers

**Biomedical Research Informatics Core**
The Biomedical Research Informatics Core offers affordable and scalable clinical research management systems, training and support to ensure successful implementation and technologies to meet individual project needs.

[http://ctsi.msu.edu/bric](http://ctsi.msu.edu/bric)

**Center for Advanced Microscopy**
The Center for Advanced Microscopy provides MSU researchers with formal graduate level instruction and 24/7 access to scanning electron microscopes, transmission electron microscopes, and confocal laser scanning microscopes.

[http://www.ceo.msu.edu/](http://www.ceo.msu.edu/)

**Center for Statistical Training and Consulting (CSTAT)**
The Center for Statistical Training and Consulting supports research and provides training and consulting in statistics.

[http://cstat.msu.edu](http://cstat.msu.edu)
High Performance Computing Center (HPCC)
HPCC provides easy to use high performance computing platforms that are beyond the capabilities of any single department on campus, allowing faculty and students to focus their limited time and resources on their research rather than system administration. HPCC systems enable larger, broader, and more complex computation than ever before. Work that could have taken months or years now can be done in hours or days.
http://icer.msu.edu/hpcc

Institute for Cyber-Enabled Research (iCER)
The iCER coordinates and supports multidisciplinary resources for computation and computational sciences, including the operation of the High Performance Computer Center.
http://icer.msu.edu

MATRIX
MATRIX uses technology to support humanities and social science research and teaching. MATRIX develops online educational and academic resources, partners with many entities to provide digital access to cultural resources, and much more.
http://matrix.msu.edu
Office for Survey Research
The Office for Survey Research produces rigorous survey data on pressing public policy issues to inform policy and decision makers and the general public.
http://www.ippsr.msu.edu/OSR/Default.asp

Remote Sensing and Geographic Information Systems
Remote Sensing and Geographic Information Systems (RS&GIS) is the point of contact for geospatial technology services at MSU. RS&GIS provides expertise in the areas of geographic information systems, remote sensing, global positioning systems, application development, cartography, and graphic design.
http://www.rsgis.msu.edu/

Research Technology Support Facility
The Research Technology Support Facility is a collection of analytical facilities that provide the fundamental tools for modern life research. These facilities include: bioinformatics, flow cytometry, genomics, imaging-IVS, mass spectrometry, and proteomics.
http://rtsf.msu.edu/

Writing in Digital Environments
The WIDE Research Center creates new knowledge about digital communications and promotes the transfer of this knowledge to school, workplace, and community contexts to promote learning, knowledge work, and citizenship.
http://wide.msu.edu
Questions

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