

Data Security Script

Version 02/24/22

Estimated length: 4 min 30 seconds

Introduction

- Do you share materials, ideas, or information?
- Do you travel internationally?
- While such activities are key components to global and collaborative research, they also present **cybersecurity risks**.
- Fortunately, there are steps you can take to maintain the integrity of your data and protect your information and devices.
- Let's talk more about data security safeguards and export control considerations related to **data security, transferring and sharing research materials, and international travel**.

Sharing materials, ideas, and information

Data Security

- Researchers must make sure they understand how their data is protected.
- Often, the Researcher must make specific decisions, like using campus offered services, to ensure that their data is adequately protected.
- Unsecured data can be compromised and manipulated, making it unusable.
- To manage the safety, security, and integrity of your research, you should:
 - **Identify sensitive research data**, and
 - **Back up your data** in a secure manner.
 - Make sure your data and research computing resources are recorded in the Location inventory.
 - **Contact your unit or division IT Administrator** for assistance with this.

Transfers and sharing intangible research materials

- When disseminating materials, ideas, or information, you should remember that U.S. export controls apply to *intangible items* as well as physical commodities.
- You may need to **obtain an export license before you share**:
 - Software, algorithms, encryption code, unpublished data, information not in the public domain, patented information, or third-party intellectual property.
- For assistance, **consult your local export control office**.
- Note that there are also limitations to publicly sharing research data depending on copyright ownership and certain contracts and policies.
 - This can be a source of confusion.
 - For assistance, **consult your local campus Research Compliance Office**.

International Travel

- International travel can present unique cybersecurity challenges.
- For example, connecting your device to networks in any unfamiliar places can expose your data or devices to malicious people, entities, or software.
- As a higher education traveler, you may be specifically targeted by cybercriminals and nation-state actors who wish to steal your intellectual property.

- If you are traveling with electronic devices, consider the following steps to **protect your information**:
 - Before your trip**
 - **Leave your data and/or device** at home or **use a loaner**, which does not contain controlled data or technology. Many UC Locations have loaner device programs; contact your local IT Administrator for assistance
 - **Back up your data**; and
 - **Set up a Virtual Private Network (VPN) and/or Multi-factor Authentication (MFA)**; contact your IT administrator for help with this.
 - During your trip**
 - **Do not leave your device unattended**
 - Only **use trusted accessories**
 - Do not enter your credentials on public access computers; and
 - **Connect** only **to known Wi-Fi networks**
 - After your trip**
 - **Reset passwords** used; do this from a trusted device
 - **Wipe** temporary devices
 - **Delete** unneeded applications; and
 - Run **anti-malware scans**; contact your IT administrator for help with this.

Conclusion

- There are steps you can take to manage the safety and security of your research.
- Whether at your home, campus, or abroad, protect your data.
- This message has been brought to you by the University of California Ethics, Compliance & Audit Services and Risk & Safety Training.

Resources:

- [Traveling with Electronic Devices](#) (UCOP, Systemwide Information Security)
- [Important Security Controls for Everyone and All Devices](#) (UCOP, Systemwide Information Security)
- [Identify and Safeguard Controlled Information](#) (UCOP Ethics, Compliance and Audit Services)
- [Campus Contacts](#) (Export Controls)
- [Export Controls](#) | eLearning (UC Risk & Safety Training) *Also view in the UC Learning Center*
- [Campus Risk Managers](#) (Risk Services)
- [Location Data Security for Researchers](#) (UCOP, Systemwide Information Security)