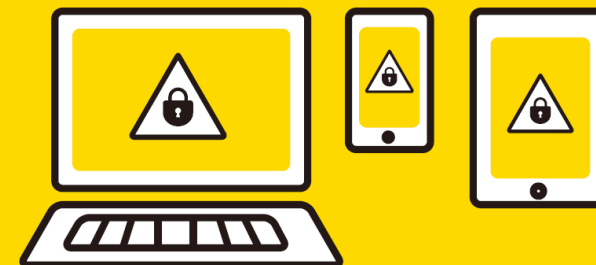


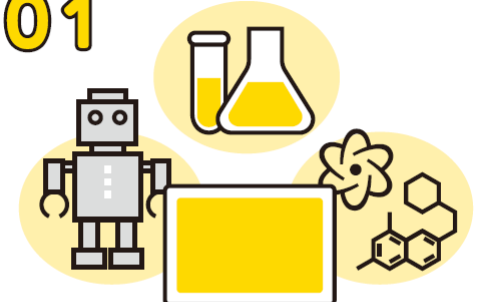
JAIST Security Introduction

For 2023

**Research Center for Advanced
Computing Infrastructure**



**In Order to Achieve a Secure
Research Information Environment in JAIST**



Basic Policy of JAIST I-Env.

- I-Env. is for education, research, and office work for JAIST
 - Including your own devices connected to I-Env.
 - Student and faculty residents, VPN connection from outside, etc.
 - What kind of usage is acceptable ?
 - It depends on the nature of each individual research.
 - Can you explain that work is proper purpose?
 - If you can't judge by yourself, consult your supervisor or our center.
 - JAIST information security policy / guidelines.
<http://www2.jaist.ac.jp/iscenter-new/private/security-wg/index-e.html>



Importance of Passwords

■ Others know your password ≡

Others can access all of your information

- Put a strong password complicated enough for others not to guess
 - 10 or more characters with a combination of character types
- Do not use same passwords for other off-campus services
 - We recommend using password management software
- Do not tell your password to others
 - JAIST will never ask you to disclose your passwords
- Changing password:
 - <https://www.jaist.ac.jp/iscenter/en/useraccount/password/>



Do not Make Unauthorized Access

■ Diverse types of unauthorized access

- Hacking and unauthorized access
 - Through security loopholes
- Accessing services with somebody else's account
- Performing DoS attack even if non-intentionally

■ These acts are included in criminal or civil offenses

Security Measures (1)

■ Computer Viruses will take advantage of the vulnerability of popular software



- Regularly update your OS and apps to the most recent versions
 - Windows: Windows Updates
 - Macintosh: Software Updates
- Set your devices to automatically get the latest security patches
- Keep updating all the equipment connected to the network
 - Smartphones, wireless LAN routers, IoT equipment, etc.

Security Measures (2)

■ Malware can spread diverse routes

- Use antivirus software in conformance with JAIST
 - Highly reliable products certified by the following organizations
www.av-test.org/en/
www.av-comparatives.org
 - Regularly update the virus definition files
 - We provide a virus detection tool for JAIST members
ESET Endpoint Protection
<https://www.jaist.ac.jp/iscenter/en/software/eset/>



Anti-Phishing

■ Phishing emails → To steal your personal info.

- Do not fill your information on phishing sites
 - We never request you to input your ID / password at outside of JAIST without HTTPS session (<https://web-mail.jaist.ac.jp> etc.)

■ Do not accesss any suspicious web pages

- You have a risk to be punished for such illicit acts aside from being infected with malware
 - Pirated software
 - Copyright infringing animation/music/manga products
 - Illegal drugs/weapon/porn or disclosing personal info. etc.



Protection of Important Information



- Personal info. that can identify an individual
- Research data including lab notes, raw data for experiments
 - Moving research data for weaponry and military outside the country may also be restricted
 - Handle such docs according to JAIST Information Rating Guidelines
 - <https://www.jaist.ac.jp/member/data/personal/rating-guideline.pdf>
 - When sending emails, be careful not to send to wrong addresses or mishandle them.

Respect for Copyright

■ Other authors' work

- Books, papers, reports, music, Web contents, software, and application etc.
- It is illegal to copy any work or make it available online
 - without the consent of the author or beyond the extent permitted by law
- It is also illegal to knowingly download music or images that infringe copyright.
- Everyone will be in the position of having copyright.





Responsible Use for SNS

■ Inappropriate statements and actions on the Internet

- Casual personal writings may lead to problems
 - Including information that should be kept secret or against public consensus and good manners
 - The credibility of JAIST or its members would be doubted
- JAIST Social Media Guideline
 - <https://www.jaist.ac.jp/member/personal/snsgideline.html>
 - Understand basic principles for posting information on SNS

Appropriate Use for JAIST Network



- **Do not allow outsiders to access JAIST network**
 - Except for authorized guests (such as eduroam)
 - It leads to accessing info. and services for in-campus
- **Do not use personal VPN or data-anonymizing apps.**
 - It allows users all over the world to access in-campus info.
 - If you need such apps for research, follow the
 - “Application for an exemption of security policy”
<https://www.jaist.ac.jp/iscenter/private/download/>

Appropriate Use for Applications



- **Be careful of applications seemingly convenient but with unfamiliar mechanism**
 - Not to be involved in unintended acts
 - Consult your supervisor or our center if needed
- **Examples of applications very likely to threaten the security**
 - **Data anonymizing like VPN for bypassing limitations**
 - VPNgate, Tor, Hotspot Shield, SpotFlux, Hola Unblocker, Mobility XE, Freenet etc.
 - **File sharing applications capable of automatic public transmission**
 - Xunlei, LimeWire, Cabos, Winny, WinMX, Share, eMule, Perfect Dark etc.



If you have any troubles ...

■ If you find any security incidents

- Please contact JAIST CSIRT immediately
 - <https://www.jaist.ac.jp/iscenter/en/security/hotline/>
 - sec-incident@ml.jaist.ac.jp
 - As emergency safety measures, we may disconnect infected equipment from I-Env.
- Examples of the incidents to be reported
 - Malware infected
 - Vulnerability or failure in JAIST security
 - Copyright infringement activities
 - Leakage of confidential / personal information

Conclusions

- Everyone's cooperation for security is important
- We operate I-Env. with consideration of convenience. Use it properly.
- Do not become a victim/criminal of Internet coming from ignorance
- URL: <https://www.jaist.ac.jp/iscenter/en/> for more detail
- If you want to ask us, send e-mail to isc-query@ml.jaist.ac.jp
- Please take measures according to the information security policy / guidelines.
<http://www2.jaist.ac.jp/iscenter-new/private/security-wg/index-e.html>

Have a safe and fulfilling JAIST Life !