

EPS IT Newsletter – Spring 2023 Edition

“One” bookmark does it all: one.wustl.edu

Did you realize you can access most Washington University internal systems from a single portal? (WorkDay, ServiceNow, Box, Zoom, Canvas, etc.) Link to one.wustl.edu, login once with your WUSTL Key and access all of the most needed university resources.

Keep Your Computer Secure with Up-to-Date Operating System

Security breaches are on the rise and it is essential that our department maintains an up to date and secure computing environment. End of Support operating systems place the rest of the department at risk because these systems are no longer receiving security updates and patches. Hugh is available to help users upgrade from an End of Support OS such as Windows XP, Windows 7, and macOS Mojave.

In the case where an offline system with an outdated OS is used to control a specific scientific instrument, users should submit an Exception Form to the university’s Office of Information Security (<https://informationsecurity.wustl.edu/items/exception-form/>). See <https://wustl.app.box.com/s/pyngntl1ocpoh679b3vdr5g4yc4cjrkc> for information on the university’s policy on the use of “end of life” operating systems.

Coming Spring 2023: the Arts & Sciences Research Computing “Condo”

As part of the Digital Transformation Initiative, the College of Arts & Sciences is purchasing a dedicated [computing “condo”](#) within the Research Infrastructure Services (RIS) center on the medical campus. With 512 computing cores, 8 NVIDIA Ampere GPU’s, and 500TB of dedicated storage, the system will be solely used for Arts & Sciences research projects. More information about using the facility will be available in coming months. All faculty can also receive [5TB of online storage free](#) from RIS. Learn more about RIS offerings at: <https://ris.wustl.edu/services/>

Remote Sensing Laboratory Virtual Computing Classroom

The Remote Sensing Lab (RSL) computer workstations are being upgraded after five years of use by the Remote Sensing and Pathfinder Program classes. The upgraded system is powered by two dedicated physical servers that serve ten virtualized desktop operating systems for onsite students, and has the capability for ten remote students to check out and operate lab computers remotely using a web browser. NVIDIA Grid A40 GPU cards in the physical servers will provide a rich visual experience when using graphic-intensive applications such as IDL/ENVI, MATLAB, ArcGIS, etc.

Desktop virtualization in a lab environment provides many benefits compared to physical workstations. The entire lab can be redeployed with updated software and a fresh operating system in a matter of minutes. Additionally, virtualization provides lab administrators granular control over user access and security policies.

The new virtual lab is expected to be online by mid-to-late January. Contact Lars Arvidson for more information. You can learn more about VMware desktop virtualization here: <https://www.vmware.com/products/horizon.html>

For more information, visit our page at <https://sites.wustl.edu/epscomputing>