

330+
teraflops
 peak computing
 performance

13
trillion
 megabytes of annual
 network data traffic



70
million
 shared print and
 electronic resources

60
thousand
 online courses & digital
 education resources

OH·TECH

Ohio Technology Consortium
 A Division of the Ohio Department of Higher Education

- Ohio Supercomputer Center*
- OARnet*
- OhioLINK*
- eStudent Services*
- Research & Innovation Center*

“The OH-TECH consortium is an invaluable part of the Ohio Department of Higher Education. The role of technology in higher education cannot be overstated, and OH-TECH provides Ohioans with nationally regarded resources in high performance computing, networking, resource sharing and online learning services.”

— John Carey, Chancellor
Ohio Department of Higher Education

“Because of our burgeoning ability to solve big problems, I propose that, instead of America’s Rust Belt — in addition to the Knowledge Belt and beyond the Recovery Belt — you will recognize the Midwest in just a few short years as America’s Innovation Belt.”

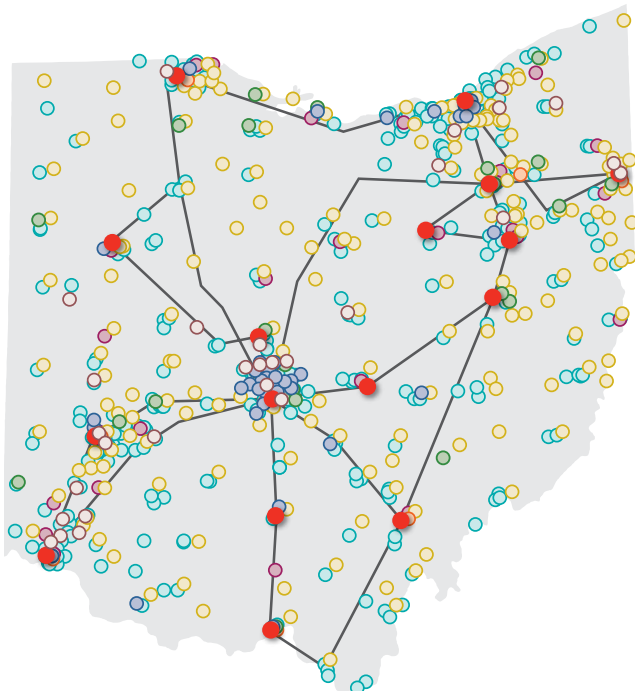
— Dr. Caroline Whitacre, VP for Research
The Ohio State University

Ohio Technology Consortium

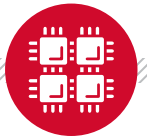
Dynamic. Seamless Innovation

OH-TECH’s primary purpose is to deliver next-generation technologies, information and world-class expertise to provide Ohioans with a strong foundation for education, innovation and discovery. OH-TECH is comprised of five consortium member organizations: the Ohio Supercomputer Center, OARnet, OhioLINK, eStudent Services and the still-in-development Research and Innovation Center.

As a division of the Ohio Department of Higher Education, OH-TECH streamlines the operational efficiency for Ohio’s statewide information and technology organizations. Internally, OH-TECH also provides advanced services to its member organizations through the efforts of staff in the areas of Shared Infrastructure, Fiscal Services and Communications.



Ohio Supercomputer Center



Empower. Partner. Lead.

The Ohio Supercomputer Center provides supercomputing, cyberinfrastructure, research and educational resources to a diverse state and national community, including education, academic research, industry and state government.

OSC resources include:

- Installation of hardware and software applications for use with OSC supercomputing systems, which deliver a combined peak computing performance of more than 330 teraflops. Our consulting staff also will work with clients to resolve problems, port and optimize codes
- Providing advanced computing technology solutions to industry through the AweSim public/private partnership, allowing for reduced time to market
- Workforce education through innovative programs in computational science, including a baccalaureate minor, an associate concentration and workforce certification

OH-TECH Partners

LEGEND

- | | |
|------------------------------------------------------------------------|-----------------------------------------------|
| Higher Education Campuses & Higher Education Regional Campuses & Sites | Medical Centers & Research Institutions |
| K-12 Education Centers | Broadcast Education Media Stations & Services |
| Local Government Agencies | Corporate Partners |
| State of Ohio Sites | OARnet Backbone PoP Locations |
| | OARnet Backbone |

"In four months, VMware has allowed us to consolidate our physical servers into a virtual server that is 1/8th the rack space of our old system, reduce our data center energy consumption by 93 percent, and simplify server administration by .5 FTE."

— *Dave Bender, Executive Director of IT Services
Otterbein University*

"OhioLINK's per-student investment for access to more than 81,000 e-books and 20 million electronic journal articles is only \$65, less than the average cost of a single textbook!"

— *Phyllis O'Connor, Interim Dean
The University of Akron*

OARnet



Connect. Aggregate. Collaborate.

Ohio's education, public broadcasting, health care and government communities benefit from the driving principles of OARnet: Increase access to affordable broadband service, reduce the cost of technology through aggregate purchasing and maximize shared-services opportunities.

OARnet services include:

- More than 2,240 miles of high-speed optical fiber blanket the state; most of our backbone service runs at an ultra-fast 100 Gigabits per second
- A virtualization aggregate purchasing program that has saved Ohio education and state government more than \$47 million on VMware®
- Opportunities to expand your cabinet space or implement disaster recovery plans by taking advantage of connections into more than 10 geographically diverse data centers located around the state

OhioLINK



Shared Services. Shared Resources.

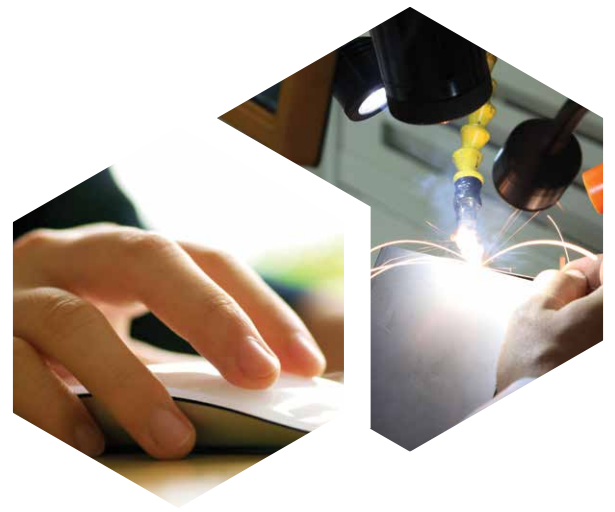
Ohio's statewide higher education community benefits from the extensive array of print and digital scholarly resources made available through the Ohio Library and Information Network, a consortium of Ohio's academic libraries and the State Library of Ohio.

OhioLINK creates a competitive advantage for Ohio's higher education community.

OhioLINK resources are:

- Nationally respected, serving as a powerful recruiting tool for top students and faculty on college and university campuses across Ohio
- Cooperatively acquired at the lowest possible cost
- Showcasing the research of Ohio's world-renowned academic institutions in OhioLINK's open access Electronic Theses and Dissertation (ETD) Center





eStudent Services



Educate. Motivate. Graduate.

eStudent Services programs centralize online educational delivery, increase educational access and facilitate student success.

eStudent Services is excited to collaborate with the Ohio Educational Technology Conference. The Ohio Educational Technology Conference (OETC) is the nation's premier P-20 state educational technology conference, which each year attracts more than 4,000 educational technology professionals and enthusiasts. eStudent Services programs include:

- eTutoring, which provides Ohio college students with virtual academic tutoring options
- OhioLearns, which maintains a searchable catalog of Ohio higher education distance-learning courses, degrees, programs and certificates

Research & Innovation Center



Explore. Discover. Innovate.

Ohio has a rich history as an entrepreneurial and technological leader, being the home of Edison, the Wright Brothers, John Glenn and Neil Armstrong. Through the R&I Center, Ohio will continue in its long tradition of pushing the limits of discovery and innovation.

Through this center, companies will be able to access a statewide, 100 Gigabit-per-second network and a powerful, cutting-edge supercomputer in order to create entirely new businesses by capturing enormous volumes of data and mining it for new knowledge. The center will support the exploration of a wide range of educational, medical and commercial applications and software, promoting the invention of compelling broadband, software and advanced technology applications.

Contact Us

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