Penn
Information Systems
& Computing

PENN'S TRUSTED IT PARTNER

POSITIONING PENN

FOR THE FUTURE OF

INFORMATION TECHNOLOGY

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Information technology (IT) is dramatically accelerating collaboration and value creation across the campus, the business community, and the global economy. The convergence of cloud computing, social networking, mobile technology, and the "Internet of Things" is rapidly changing the traditional model for procuring, delivering, and consuming IT. We believe a transformation to "IT as a service" is inevitable, and we must adapt our approach, our products, and our services accordingly. We embrace this opportunity to better align IT with Penn's mission and Compact 2020: Inclusion, Innovation, and Impact. Through increased collaboration, shared projects, and engaged leadership, we seek to build community while honoring the independence and diverse needs of each School and Center.

HOW IS ISC POSITIONING PENN FOR THE FUTURE?

Embracing Cloud First

Collaborating & Delivering IT Solutions

Optimizing Business Processes

**Keeping IT Secure**

Investing in Campus IT

DISCOVER WHAT ISC CAN DO FOR YOU   www.isc.upenn.edu

EMBRACING CLOUD FIRST

Our vision is to position Penn for the future of IT systems and services by pursuing a "Cloud First" strategy to accelerate the speed of delivery and to drive more value through technology.

Penn has accumulated decades of technology "layers" as we have added functionality and addressed institutional challenges. This accumulation has resulted in excessive support overhead, slow and expensive fixes and enhancements, a challenging service environment, and difficulty moving forward in support of Penn's mission. Over the past five years, Penn has gradually embraced cloud computing as a more responsive and efficient way to deliver new levels of computing functionality, performance, and capacity. Now we are ready for a unified strategy — "Cloud First" — which places cloud as the first choice for all new technology investments.
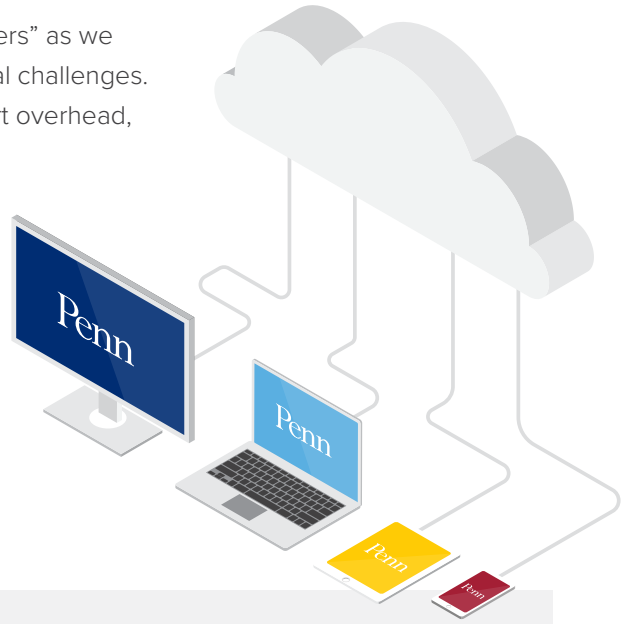
What is cloud computing?

Cloud computing enables ubiquitous, convenient, on-demand access to a shared pool of configurable resources (networks, servers, storage, applications, and services) that can be rapidly provisioned and released with minimal management effort or service-provider interaction.

LEARN MORE ABOUT CLOUD FIRST www.isc.upenn.edu/cloud-first

COLLABORATING AND DELIVERING

ISC manages the University's enterprise systems and partners with Schools and Centers on major projects around campus.

pennant

Replacing core student systems
www.sfs.upenn.edu/ngss

IT Roundtable (ITR) & Common Solutions

Collaborating IT across campus
www.isc.upenn.edu/collaborations

PRAGMA

Penn Research Administration Gestalt of Management Applications
www.upenn.edu/research

TechJobs@Penn

Attracting and retaining the best IT talent
www.isc.upenn.edu/tech-jobs-penn

PennVet
VISION
Veterinary Information System & Integrated Organizational Network

www.vet.upenn.edu

ITR Research@Penn

Collaborating on research IT
www.upenn.edu/research

PENN WHARTON CHINA CENTER
宾大沃顿中国中心

pwcc.upenn.edu

PERRY WORLD HOUSE
UNIVERSITY of PENNSYLVANIA

global.upenn.edu/perryworldhouse

⚙ OPTIMIZING BUSINESS PROCESSES

ISC offers numerous collaboration and planning tools to campus.

Office 365

PennO365 is the University's new cloud email, calendaring, and collaboration environment
www.isc.upenn.edu/email

▶ Virtual Desktop Infrastructure

Enabling flexibility, mobility, and just-in-time service provisioning
www.isc.upenn.edu/virtual-desktop

▶ Human Capital Management

The campus-wide HCM project aims to increase Penn's HR and payroll work efficiency, enhance our ability to be responsive to changes in regulatory and compliance issues, and improve information quality and access

▶ Project Management Office

ISC's new PMO features Penn People Planning Progress (P4), a diverse suite of resources for project, program, and process management
www.isc.upenn.edu/project-program-management

▶ HireIT

Local technology support for Schools and Centers
www.isc.upenn.edu/hireit

KEEPING **IT** SECURE

ISC's Office of Information Security establishes, implements, and maintains security tools and programs to help protect Penn's digital assets.

▶ **University Firewall**
A new line of defense against network-based attacks on PennNet

▶ **PennSec**
A common framework for Information Security across all Schools and Centers

▶ **Two-Step Verification**
The best layer of protection against someone stealing your PennKey password

▶ **SafeDNS**
Offering real-time protection against malicious websites

▶ **LastPass**
Eliminates the need to remember multiple unique passwords

LEARN MORE ABOUT OUR SECURITY PROGRAMS www.isc.upenn.edu/security

INVESTING IN CAMPUS IT

In FY16 alone, ISC contributed more than $2M on behalf of Schools and Centers to improve technology across the University.

Penn IT Staff Convention
www.isc.upenn.edu/itsc-spring-2016

Office 365
www.isc.upenn.edu/email

PTW2016 PHILLY TECH WEEK
2016.phillytechweek.com

lynda.com
www.isc.upenn.edu/lyndacom

Adobe

servicenow

INFORMATION TECHNOLOGY
BY THE NUMBERS

800K
Daily PennKey Authentications

15K
Email Accounts Migrated to PennO365

$1.24 BILLION
Billed by Pennant Accounts Annually

82K WIRELESS DEVICES SUPPORTED SIMULTANEOUSLY (Double 2012's Capacity)

35K MONTHLY
Malicious Website Visits Prevented

1,100 TERA BYTES MONTHLY
Amount of Wireless Data Transmitted

Which Equals **50 MILLION**
Filing Cabinets of Data

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