The Connected Campus: Transforming Higher Education

To empower and engage today's students, colleges and universities must transform legacy IT infrastructures into agile, secure services platforms that are accessible by students, faculty, and staff — anywhere, anytime.

A modern "connected campus" will inspire students, faculty, and staff, helping institutions differentiate and remain relevant, while gaining competitive advantage.

FROM RUNNING TO TRANSFORMING

CIOs in higher-education institutions face complex challenges. They face increasing pressure to improve the student, faculty, and staff experience by modernizing outdated infrastructures — without breaking the technology budget.

While most institutions aspire to digital transformation, many remain restricted to a keep-the-lights-on approach, which inhibits innovation and, ultimately, growth.

PERCENT OF IT SPENDING AT HIGHER-EDUCATION INSTITUTIONS

- 80% Run existing operations
- 10% Accommodate incremental growth and improvements
- 5% Transform

Source: EDUCAUSE – 2016 Core Data Service (CDS) Benchmarking Report

IT leaders in higher ed understand that true transformation requires investments in a mix of core and emerging technologies.

MOST IMPORTANT TECHNOLOGY TO HELP HIGHER-ED INSTITUTIONS DIFFERENTIATE

- BI/Analytics
- Networking/voice/data communications
- Enterprise Resource Planning
- Cloud services/solutions
- Cyber/information security

Source: Gartner - 2017 CIO Agenda: A Higher Education Perspective

Overall, they are allocating more technology budget to transformation initiatives.

PERCENT OF IT BUDGET SPENT ON DIGITALIZATION AT HIGHER-ED INSTITUTIONS

- 16% By 2018

Source: Gartner - 2017 CIO Agenda: A Higher Education Perspective

1. Digital/Analytics
   - Support mission-critical digital learning, online courses, and online assessments
   - Increase student engagement from any place by any device
   - Deliver a more personalized, accessible, and engaging learning experience to help improve student achievement and graduation rates

2. Increase Enrollment and Funding
   - Attract, engage, and retain students to grow enrollment populations and associated budgets
   - Create competitive differentiation based on ease of use and "always on" access, which have become top decision-making criteria in the college selection process
   - Enable new partnerships and collaboration opportunities with third-party and private sector concerns, opening the door to innovative funding models

3. Reduce Risk
   - Improve compliance with increasingly strict student privacy laws and regulations
   - Reduce the growing cyberthreat across a complex, dynamic mix of mobile and other endpoint devices
   - Protect private information with-out compromising access, ease of use, or performance

CONCLUSION

Digital transformation is helping higher-ed institutions to see an average 23% increase in funding. Juniper’s Connected Campus and Junos software enable higher education institutions to:

- Build more than a network.
- Support educational innovation and research.
- Maximize IT staff with managed services.
- Improve cyber security.
- Reduce costs.
- And more.

Higher-ed institutions are spending only 5% of their IT budgets on transformation initiatives.

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For more information about the Connected Campus, visit Juniper’s higher education resource page, http://www.juniper.net/connected-campus/.