Binghamton University

"We have now moved to a completely encrypted network. Cisco ISE 1.2 is at the center of our security policy now on campus."
-- Michael Hizny, Assistant Director, Networking, Binghamton University

Customer Stats

- Industry: Education
- Students: 15,000
- Faculty/Staff: 2,500 Location: Binghamton, NY
- One of four university centers in State University of New York system.
- One of top 50 U.S. public universities for 15th consecurive year – *U.S. News & World Report (2012)*
- Top-rated public research center.

Challenges

- Provide secure, reliable, always-on wireless network access for students, faculty, administrative staff.
- Support evolving security policies to protect campus network, with zero downtime tolerance.
- Address growing BYOD practices due to proliferation of devices – from laptops, smartphones, and TVs, to robots, DVRs, and Blu-ray players – averaging 2-3 devices per student, faculty, staff.

Why Cisco?

- Migrated to Cisco Identity Services Engine (ISE) 1.2 to develop best-in-breed secure network access to enhance campus experience anytime, anywhere, using any device.

Solution

- Cisco ISE 1.2
- Cisco Prime
- Cisco Nexus 5548 Switches
- Cisco Catalyst 6500, 4500, 2960, 3560, 3750 Series Switches
- Cisco ASR 1002
- Cisco WiSM2
- Cisco Wireless Access Points 2600, 3600, 1142, 1131

Impact

- Zero network access downtime.
- Improvement in certificate use expected to save 20-30% per year.
- Makes system more transparent to users, simplifying wireless access, reducing wireless-related help desk calls by at least 50%
- Moved from unencrypted to fully encrypted wireless network, with ISE 1.2 as centerpiece.
- Reduced staff time managing previous solution by 25%, saving ~$50K/year.

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