OPEN CLOUD INSTITUTE STAFF

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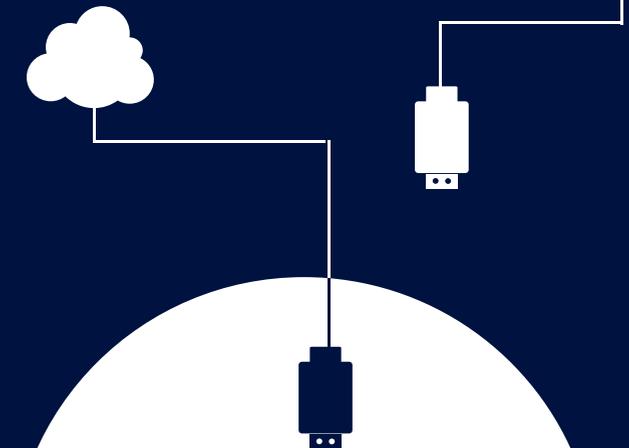
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To open discussions about how you and your company can work with the Open Cloud Institute, please contact:

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UTSA
OPEN**CLOUD**
INSTITUTE

RESEARCH
INDUSTRY OUTREACH
EDUCATION

ABOUT

Established in 2015, UTSA's Open Cloud Institute (OCI) is a state-of-the art cloud computing facility and laboratory focused on third party research and education. The goal is to become a leading research institute supporting education and research in cloud computing with local and global impact.

The OCI has one of the largest open clouds in academia utilizing OpenStack software and Open Compute hardware to support advanced computing and big-data analytics research.

- Supporting degree programs (Bachelors, Masters, and PhDs) in cloud computing, big data analytics and cyber security
- Fostering collaborations with industry, open communities and other academic institutions to bring the latest cloud computing technologies
- Facilitating faculty research activities and enabling engineering and scientific research
- Training a pipeline of students to become cloud computing professionals and innovators

EDUCATION

The Open Cloud Institute brings faculty from across UTSA departments, colleges, research institutes and centers to develop, participate and benefit from its resources and activities.

- Departments of Computer Science, Electrical and Computer Engineering, Information Systems and Cyber Security
- Colleges of Business, Engineering, and Sciences
- Institute for Cyber Security (ICS)

The OCI is training students and faculty to migrate their computing applications to the UTSA Cloud for their instructional needs and,

- Providing extensive support for curriculum development, workforce training for students, and cloud research applications for faculty
- Developing an in-house internship program allowing UTSA students to receive sponsored internships while working toward their degrees
- Promoting the publication and presentation of students' research findings in prestigious, peer reviewed research journals and local, national and international conferences
- Creating a Distinguished Seminar Series with industry and academic speakers
- Participating in TEXPrep and San Antonio PREP, which give high school students the opportunity to do a summer study experience on campus, including cloud research

RESEARCH

The OCI's area of cloud research encompasses some of the following:

- **NSF Jetstream Project**
  Partnering with Indiana University on a $6.6 million National Science Foundation (NSF) grant on a cloud-based advanced computing systems for the science and engineering community; providing access to advanced computing tools in a new OpenStack-based cloud environment

- **NSF Chameleon Project**
  Partnering on a $10 million NSF grant to create a cloud-computing testbed, supporting as a set of services designed to meet researchers' needs

With UTSA's cybersecurity program recognized nationally, the Open Cloud Institute is set to position UTSA as an emerging top-tier research institution, and the City of San Antonio, as a global leader in open cloud technology.

INDUSTRY

The Open Cloud Institute actively engages with industry partners to foster collaboration, facilitate technology transfer and provide a novel platform for industry projects that will lead to state-of-the-art experiments, findings, and innovations.

Based in San Antonio, the 80/20 Foundation has been a key supporter since the inception. Their investment in UTSA to incorporate new cloud computing technologies, such as OpenStack, has been a key driver to enable cloud computing research on campus.

The Open Cloud Institute has also been fortunate to develop collaborations with many industry leaders, and with their support, the OCI will continue to grow.

- Intel
- Rackspace
- AMD
- Mellanox Technologies
- Seagate
- Spirent
- Yahoo