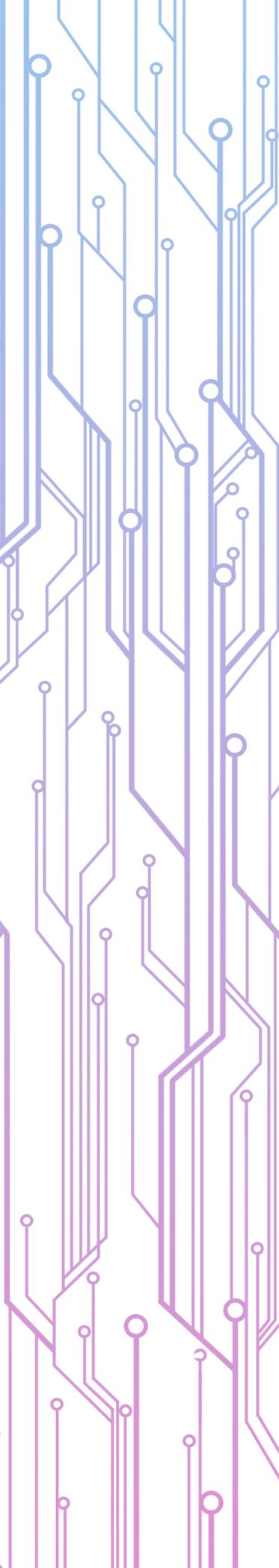THE UNIVERSITY OF NEW MEXICO
OFFICE OF THE CHIEF INFORMATION OFFICER

PRESENTS

TECH DAYS

2018

techdays.unm.edu

What is Tech Days?

Tech Days offers the University's faculty, staff, and students an exclusive opportunity to learn about technologies on campus. Attendees can participate in sessions, discussions, and hands-on demos of current and future technological innovations at the University.

Value to the University Community

- Provides cost effective training to the University community.

- Brings University of New Mexico community together to share knowledge and experience with technologies UNM uses and what UNM is considering.

- Provides opportunity for informal networking and builds trust across the community.

- Provides opportunity for UNM community to hear from vendors about current and future technology portfolio.

- Helps align entire technology ecosystem to a common vision.

- Provides community stewardship with various partners associated with the University.

Featured Keynote

Information Technologies Effectiveness and Efficiency... a Glance at the Past and a Vision for the Future

DUANE ARRUTI

In September of 2016 UNM IT was charged with improving the transparency, effectiveness and efficiency of IT service delivery at UNM. Join CIO Duane Arruti as he shares how the IT campus community has come together to take on this daunting task, and learn what the future holds for the UNM IT services of tomorrow.

Presentations

Accessibility and Captioning at UNM

DEAN BERNADONE, JOAN GREEN, HEATHER JARAMILLO   AUDIENCE (TECHNICAL & USER)

Individuals with disabilities are an integral part of the diverse UNM community. We will give an overview of the services provided by the UNM Accessibility Resources Center; discuss legal requirements, policies, guidelines and standards for web accessibility in higher education and at UNM; and we will discuss the recently completed RFP for a caption service provider along with the request process and associated workflows for captioning video at UNM.

Affirmed/Preferred Name Initiative

JANICE DEVEREAUX, FRANKIE FLORES   AUDIENCE (TECHNICAL & USER)

The Preferred Name Initiative has launched on campus and people are using their affirmed names on Lobo ID's and more. Learn the importance of this for the Trans community, as well as others. There will be an interactive component that will walk participants through the steps of using your affirmed name.

Agile Fundamentals

GREG GÓMEZ, ERICA GRONG   AUDIENCE (TECHNICAL & USER)

Understand the fundamental principles of Agile project methodologies (Scrum, XP, Feature-Driven Development, Kanban, Crystal, Test-Driven Development, Lean, etc.), and participate in a few hands-on activities to illustrate how Agile principles can be used in collecting requirements, managing projects, and developing software.

Analytic Stories with Enterprise Security Content Updates

RICO VALDEZ   AUDIENCE (TECHNICAL)

When monitoring for adversary behavior, how do you know what to look for in your environment? Then what do you do when you find it? Analytic stories provide a way to organize your searches, understand how to respond to events and what data is needed to detect and respond to threats, and detail why you should care about a given threat. They also allow you to map to different security frameworks so business owners can think about their security posture in business terms. Splunk's research team delivers analytic stories with Enterprise Security Content Updates (ESCU) to help provide content and searches to improve your security operations. This talk will discuss Splunk's implementation of analytic stories, what they're made of, and how they can be used to guide and inform your security operations.

An Extensible, Containerized Framework for Academic Apps

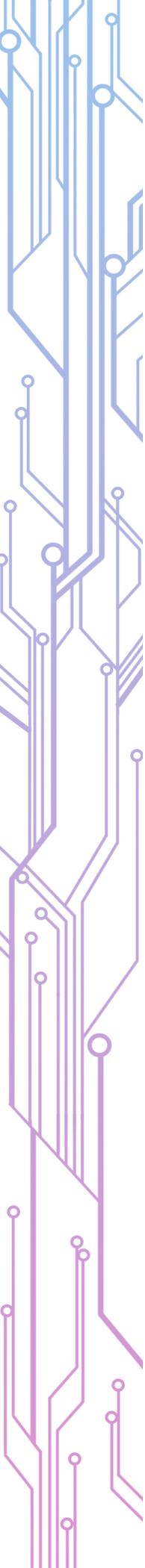ROSALIND BENOIT   AUDIENCE (TECHNICAL)

Presenting an ongoing project to develop an extensible, containerized framework for academic apps using the MEAN stack and Docker in Centos/RHEL. Check out my development environment and the current application of the framework. Let's discuss a RESTful approach to scalable problem solving!

Ansible: Server & Network Device Automation with ANM

ADAM CHAVEZ, IAN LOGAN, KLAUS MUELLER   AUDIENCE (TECHNICAL)

Starting with a brief overview of orchestration and automation, we will explore using Ansible, a popular open source tool, with strong orchestration and automation capabilities. Ansible can be used in many systems and network administration contexts. We will look at several common use cases from the point of view of a systems or network administrator.

Banner 9 Road Map and Overview of the Implementation

STIRLING CROW, NADER KHALIL   AUDIENCE (TECHNICAL & USER)

See what Banner 9 applications UNM has made available and learn about applications that will be installed in the near future. Topics will include Banner 9 Forms, Banner 9 Employee Self-Service, and Banner 9 Registration.

BI and Analytics Uses-Cases Across Higher Ed

DAN COHEN   AUDIENCE (TECHNICAL & USER)

Learn how and why large academic institutions utilize enterprise business intelligence, reporting, and analytics tools across various departments and user groups. See how many different use-cases (executives, admin, faculty, staff, students, and even parents) across many different departments (including academics, finance, admissions, registration, student aid, and others) utilize enterprise-class business intelligence tools to do their jobs.

Big Data Analytics at CARC with Apache Spark

PATRICK BRIDGES, RYAN JOHNSON   AUDIENCE (TECHNICAL & USER)

Apache Spark is one of the most popular systems for Big Data Computing. Hear how UNM community members can use Apache Spark on CARC systems for processing large data sets. Users will be walked through an example of how to create and run Spark jobs on the CARC Wheeler system, which storage systems to use for storing and processing data, and how best to transfer large data sets to and from CARC systems.

Change Management: The People Side

JILLIAN GONZALES   AUDIENCE (TECHNICAL & USER)

Organization outcomes only happen when individuals change. The application of a structured plan to support the people side of change is shown to yield improved results to meet project objectives, reduce and mitigate resistance and develop change resistance skills. Become familiar with the Prosci ADKAR Change Model, a researched and proven framework to support change at the individual and organization level, to gain a more holistic view of implementing change.

Coffee & Code to Go: Developing a Portable Workshop Series

KARL BENEDICT, JON WHEELER   AUDIENCE (TECHNICAL & USER)

Coffee & Code is a monthly workshop series, which offers participants an opportunity to engage with current technologies in an environment that promotes a shared focus on research data management. As the series moves into its second year, the workshop architecture has evolved to promote portability and deployment of the series within a server or desktop environment. Librarians will describe the updated architecture and upcoming session topics for the 2018-19 academic year.

Controlled Unclassified Information – The Changing Face of Data Compliance

ABRA ALTMAN, MARK ORGERON   AUDIENCE (TECHNICAL & USER)

Do you work with data on students, research, financial aid, or European persons? UNM interacts with personal, private and federally-restricted data every day in nearly every department. UNM is preparing for new and updated regulations, which require organizations to justify how they collect and process this data. Hear how your department is affected, and what you need to know.

Coordinated Workstation Purchasing Update

GREGORY GAILLARD, KIRSTEN MARTINEZ, BENJAMIN MURRAY   AUDIENCE (TECHNICAL & USER)

See the progress of UNM IT's coordinated workstation purchasing process, including updates on workstation standards, new features, and processes.

Creating Lecture Captured Content for $FR33.99

JOE-ELLIOTT NEZ   AUDIENCE (TECHNICAL & USER)

Lecture-captured content is being utilized more and more as we progress into the e-learning platform. Taking advantage of your available resources with minimal cost can be beneficial to any organization. By using freely available software and a little know-how, users can capture and create basic instructional videos on their computer at little to no cost. See a start to finish demonstration on how to capture live lectures and edit them into a final product.

Creativity for Everyone: Increase Engagement and Enhance Outcomes

DONNA CALDWELL   AUDIENCE (USER)

Take your creativity to new places by expressing your ideas visually using Adobe mobile apps including the Spark social and storytelling application family. Capture inspiration around you, edit photos, draw images, transform words and pictures into incredible visual stories and animated videos, using your mobile devices. Discover how easy it is to do great work anywhere. Targeted at all levels of familiarity with Adobe applications.

Digital Inking and Modern Productivity

ANTHONY FERRARI, DALE PERRIGO   AUDIENCE (USER)

Understand the ways to integrate O365 with modern hardware to optimize teaching and learning and save IT/procurement costs.

Employee Engagement: What It Is, Why It Matters, & How to Get It

MARY FARIAS   AUDIENCE (TECHNICAL & USER)

Limited budgets, staffing constraints, and figuring out how to 'do more with less' are challenges we all face. How can knowing how to more effectively engage and retain talent in your department help to renew motivation, increase productivity, and re-energize your team? Learn why engagement is so critical and some simple things you can do to help increase it in your part of the organization!

Enterprise Lecture Capture: Current State and New Initiatives

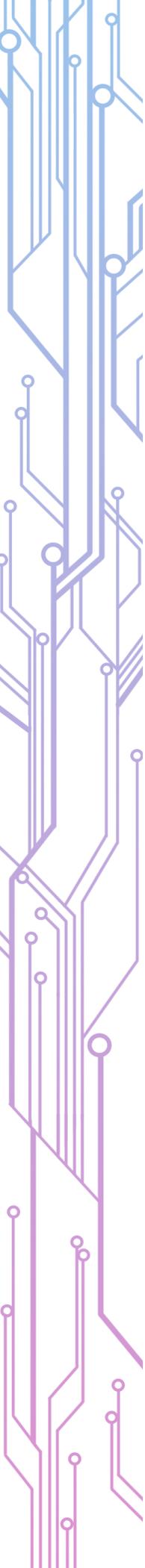ALICIA GARCIA, MAXWELL MARQUEZ   AUDIENCE (TECHNICAL & USER),

UNM Main Campus and the UNM Health Sciences Center have been working cooperatively to provide Lecture Capture as a service for over 10 years. We will give a brief overview of how Lecture Capture currently supports the academic mission of the university, discuss the classroom to end-user device technical components and workflows that define Lecture Capture, discuss the current service offerings, and talk about initiatives to make the service simpler, more accessible, and more widely available.

Great Mobile Experiences... anywhere on Campus.

JOHN DURAN, CHRIS ROSSI   AUDIENCE (TECHNICAL & USER),

See real world examples of how Aruba Networks is assisting major universities, including UNM, prepare for the new generation of mobile and IoT.   Faculty, students, and guests are experiencing enhanced performance and roaming; even in the most challenging environments – from dorm rooms and lecture halls to student centers and sport venues.

High Performance Computing at CARC

RYAN JOHNSON, JIM PREWETT   AUDIENCE (TECHNICAL & USER),

Introducing CARC, UNM's supercomputing center, where researchers from across campus use high-performance clusters for modeling, simulation, analysis, and visualization. Jim Prewett, head Sysadmin, and Dr. Ryan Johnson, User Support lead, will describe accessing and using our resources, and highlight some example calculations being done at CARC today. Learn how CARC could help you with a computational aspect to your research.

Internet of Things: 5G and Security

STUART OZER, KENT STANLEY   AUDIENCE (TECHNICAL & USER)

NEC: Making 5G a reality. Today's world is all about internet of things. Come learn how 5G is a game changer for IoT. NEC will provide a technology overview addressing key topics for higher education. This includes cellular challenges, security via biometrics, and remote education via collaboration.

Leadership and Social Media: Understanding their Relationship

ANNA CAIRO, LEONEL DIAZ JR.   AUDIENCE (TECHNICAL & USER)

How does leadership translate into digital and social media? In a world where social media has taken center stage, online representation of ourselves is increasingly becoming important. Attendees will better understand how to create effective content for digital and social media use. This presentation will be interactive by having attendees participate in activities such as developing their own digital/social media plans.

Managing Data Effectively and Efficiently Anywhere

SANDRA NICHOLSON, TYLER WAGENSELLER   AUDIENCE (TECHNICAL & USER)

Learn how to manage data effectively and efficiently anywhere: local data center, secondary data center and in the CLOUD! Ensure data is reliable, available and secure using NetApp Technology.

MineMeld Threat Intelligence

LAWRENCE ALDERETE, JOHN BELL   AUDIENCE (TECHNICAL)

Hear how Information Security & Privacy (ISPO) staff have collaborated with IT Networks to implement the MineMeld threat intelligence platform to use threat indicators from trusted third parties to support network defense activities. UNM's MineMeld environment allows for the aggregation, de-duplication, and sharing of threat indicators (domains, IP addresses, URLs, etc.) with other enterprise services.

Next Generation Classroom Project – Phase 1

CARREE CONNELLY, SEAN SMOCK   AUDIENCE (TECHNICAL & USER)

The current generation of faculty and students—digital natives who grew up surrounded by technology—expect to access information at the touch of a screen, both use and create video as part of teaching and learning, and instantly connect with peers around the world. Learn about our efforts to design classrooms to meet these expectations.

O365 – What's in Your Waffle?

ANTHONY FERRARI, DALE PERRIGO   AUDIENCE (USER)

Overview of Office.com, how to navigate through it, and how to take the best advantage of it. Best practices for working in the cloud — how to edit online, share with peers and avoid making local copies. Skype — tutorial and best practices. OneNote — how to improve note taking and organization. The integration of digital inking. Delve and Teams — taking advantage of these newer elements of O365.

Palo Alto Networks NGFW Configuration Enhancements

LAWRENCE ALDERETE, RYAN LEWIS, CHRIS SEGURA   AUDIENCE (TECHNICAL)

Hear how ISPO staff have collaborated with IT Networks to enhance the University's enterprise network defense capabilities using the Palo Alto Networks Next Generation Firewall (NGFW) platform. UNM's NGFW deployment allows for port-based or application-based firewalling, network-based anti-virus (AV), intrusion detection/prevention (IDS/IPS), URL filtering and threat intelligence integration.

Student First, Cloud First - wepa and UNM Partnership

DAVID BANNISTER, CARLOS HERRERA   AUDIENCE (TECHNICAL & USER)

Get acquainted with "Student First, Cloud First", a joint program of wepa and University of New Mexico. It is a custom Cloud based student and patron print system.

The 'Reality' World of Higher Education

BRYAN AKERS, CHRISTINE TRUJILLO   AUDIENCE (TECHNICAL & USER)

An introduction into Dell EMC technologies for experiences in AR/VR/IR/XR based learning. Understand the many ways that Extended Reality can change the learning experiences for educators and students and the Dell EMC technologies to support this transformation.

The Journey to the Secure Digital Backpack for Higher Education

LUIS AVILA   AUDIENCE (TECHNICAL & USER)

See the VMware Higher Education Digital Backpack solution, which is designed to provide students, faculty and staff with remote, on-demand access to educational materials—on the devices they use today and the devices that they may use in the future.

Try It: Banner 9 Administrative Applications

DESIREE AGUILAR, STIRLING CROW, ROBERT KERWIN, NADER KHALIL   AUDIENCE (TECHNICAL)

Access and use the Banner 9 forms in our Development environment. NOTE: You must already have an active BAR role in the Development environment (that allows access to Banner 8 forms) in order to access the Banner 9 forms in this lab.

Try It: Self-Managed Media Creation and Delivery as an Enterprise Service

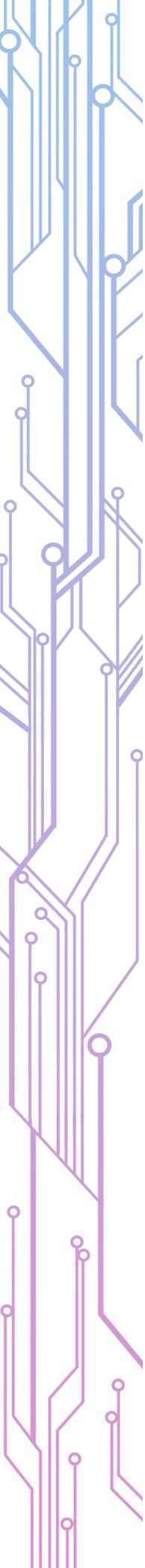DEAN BERNARDONE   AUDIENCE (TECHNICAL & USER)

This year (April 2017 to April 2018), 16% of the total combined faculty and student population contributed new content to this system, and approximately 75% viewed content (based on Spring 2017 main and campus branch enrollments in from the UNM Office of Institutional Analytics). In this session, I will demo some of the tools and workflows; highlight some of the content and use-cases; and discuss current initiatives in this fast growing technology sector.

Unclassified, But Controlled: Safeguarding Your Research

HANNAH CLARK, GRACE FAUSTINO, KRISTA LAYBOURNE   AUDIENCE (TECHNICAL & USER)

Is your research subject to safeguarding or dissemination controls? Does your research project involve controlled technical information with military or space application? Come learn about Controlled Unclassified Information (CUI) and Covered Defense Information (CDI) and how these areas may impact your research award! UNM's research administrators walk through the current process for identifying CUI/CDI, what you can expect during CUI/CDI review, and how you can assist in compliance.

UNM Enterprise Firewall Operations and Practice

JOHN BELL   AUDIENCE (TECHNICAL)

Understand the design, capacity, and standard operating procedures of UNM enterprise firewall and backbone. How can campus departments take advantage of this infrastructure? What are the best practices for network-connected devices and servers? Quick demo will be included.

UNM Learn: Challenges and Opportunities with Open Source Software

ROBERT SELETSKY   AUDIENCE (TECHNICAL & USER)

We will discuss the technical challenges of rebuilding an open source Java Building Block (custom software) for UNM Learn (Learning Management System that delivers fully or blended online classes used by many thousands of students and faculty at The University of New Mexico) and the opportunities working with the OSCELOT community (primary repository for open source Building Blocks).

UNM Zoom License Consolidation

DEAN BERNARDONE   AUDIENCE (TECHNICAL & USER)

Many departments, individual faculty and staff, research project teams, and academic units have found Zoom to be a cost effective and reliable replacement for expensive hardware based video conferencing solutions. Consolidation of our currently disconnected Zoom licenses under a single enterprise license umbrella would be a win-win: lower costs for users and an improvement of the service with access to additional features and functionality.

vim Basics - Understanding And Using the vim Text Editor

GREG GÓMEZ   AUDIENCE (TECHNICAL & USER)

vim is found on practically every Linux distro in existence (and even Windows). Sometimes, it's the only text editor available on a system. Having a basic understanding of this common text editor is a good addition to any DevOp's toolbox. However, vim novices are often confused and frustrated by the way it works. Just exiting the program can be a frustrating challenge for the uninitiated. This presentation is a gentle introduction to this powerful, but misunderstood, text editor.

Virtual Proctoring in UNM Learn

ROSALIND BENOIT, HEATHER JARAMILLO, JOSHUA MARTINEZ   AUDIENCE (TECHNICAL & USER)

Join us for a demo and technical overview of Proctorio, a flexible virtual proctoring tool. Find out how we brought Virtual Proctoring at UNM from requirements to reality, meeting challenges and seeking process standardization along the way. We invite you to get excited about the result: a solution that supports academic integrity and accreditation, empowers students, extends the capability virtual classrooms, and can maximize the quality of instructional time in all types of courses.

Virtual Reality

KARL BENEDICT, TIM CASTILLO, KEVIN COMERFORD, MARY WISE   AUDIENCE (TECHNICAL & USER)

There are a variety of academic units at UNM that are using Virtual Reality technology for teaching and research. Hear about some of the projects and tools currently being used: 360° Photography, Online VR Apps and Services, and Oculus and Vive immersive hardware.

WebFOCUS 8.2 Hands On

DENNIS CULLEN, JEFF OJILE   AUDIENCE (TECHNICAL & USER)

Experience WebFOCUS 8.2 with a series of hands on labs designed to highlight the usability and intuitive nature of WebFOCUS! Explore the new Home Page where you can access all of your information assets including data stories, reports, charts, dashboards and portals. Work together to build analytics and collaboration using the new features of InfoAssist. Create an ensemble with our new web based Designer that leverages smart defaults, automatic behaviors, and best practices to operationalize insights for an even larger audience.

WebFOCUS 8.2 Release Highlights and New Features

JEFF OJILE   AUDIENCE (TECHNICAL & USER)

IBI will highlight the new features and product innovations that are available in the latest release of WebFOCUS 8.2: streamlined workflows, efficiencies, more power for end users, analysts, and developers – everything you need to deliver self-service for everyone and make your organization more successful. We will also view the roadmap for an exciting preview of what is coming in the future.

Workload Intake (Process, Governance, and Visibility)

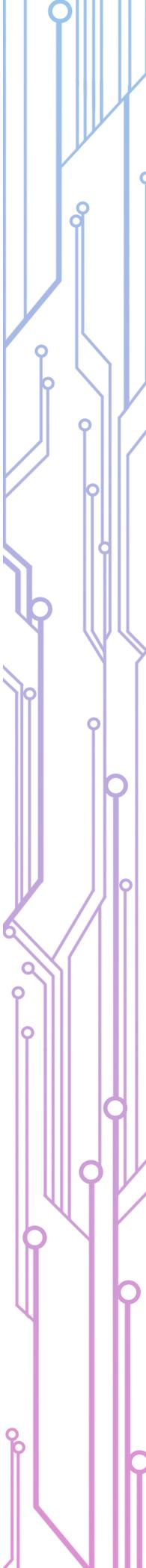ELISHA ALLEN KIRSTEN MARTINEZ, ALESIA TORRES   AUDIENCE (USER)

Collaboration, prioritization, and visibility of administrative and academic requests. Alignment of resources with the organization's needs and goals.
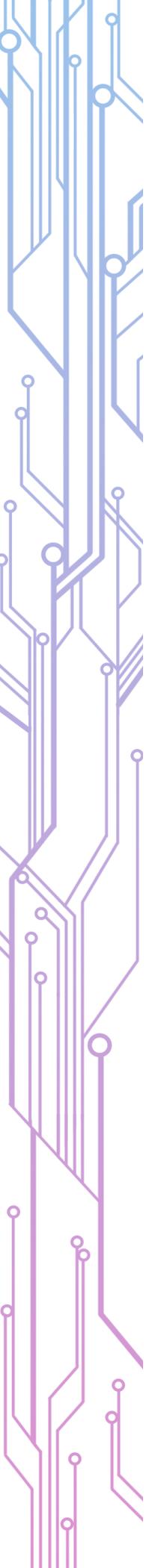
Zen Management

TJ MARTINEZ   AUDIENCE (TECHNICAL & USER)

While Knowledge and Knowledge Centered Support (KCS) are well established as the definitive path to complete Service Management, IT leadership often struggles with defining the "how" and "what" of the ever increasing scope of Knowledge implementation, adoption and continued improvement. Hear how Zen Management can help.
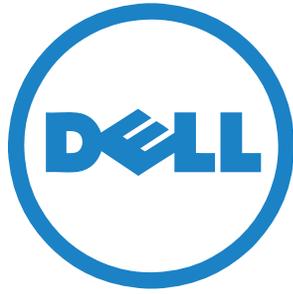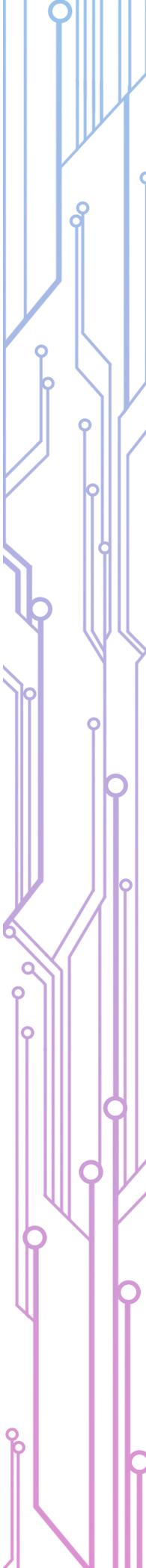
TECH DAYS

2018

Is Made Possible by Our Sponsors

Annual Sponsors

DELL

NUSENDA
CREDIT UNION

Event Sponsors

Adobe

AMD

ANM

aruba
a Hewlett Packard
Enterprise company

aws

Information
Builders

KALTURA

mediasite

NEC

NetApp
Data Driven

PEAK
RESOURCES, INC.

splunk>

wēpa
print away