

MTUG 2018 IT Summit – May 31, 2018 – TENTATIVE Workshop Schedule & Descriptions

Schedule, topics and rooms subject to change. Last update 5/28/17 12:30 PM.

Room & Track	Session A (9:15 – 10:15 AM)	Session B (11:15 AM–12: 15 PM)	Session C (2:15 – 3:15 PM)
CLOUD TRACK			
Cumberland Room 65 capacity	Azure Migration: A Phased vs. All-At-Once Approach <i>Erik Thomas, Systems Engineering & Gary Grunewald, Pine State Trading</i>	Deploying Azure-based Windows 10 Desktops in Days: How Bioverativ Empowers Employees and Partners <i>Bob Dyer, Bioverativ; Jennifer Piniaha, Workspot; & Dan Bergeron, Skyterra</i> TECH SKILL LEVEL: Intermediate	Cloud All of the Things <i>Jerred Edson & Christopher Falk, MPX</i> TECH SKILL LEVEL: Intermediate
I.T. CAREER DEVELOPMENT			
York Room 60 capacity	DevOps in a Chaotic Situation: A Practical Guide for When Everything is on Fire, and why it's all Going to be Okay! <i>Dan Jandreau & Benjamin Hamilton, Idexx Laboratories</i> TECH SKILL LEVEL: Basic	Building Maine's IT and Security Workforce Through Short-Term Education Programs. <i>Purdue University Global & Kennebec Valley Community College</i>	Information Security Certification: Do you have what it takes? <i>Peter Fortunato, Baker Newman Noyes</i>
SECURITY Track			
Kennebec/ Lincoln Room 100 capacity	Using Office 365 Secure Score to enhance your Microsoft Cloud Security. <i>Chris Rhoda, Thomas College</i> TECH SKILL LEVEL: Basic/Intermediate	Cost-Effective Cybersecurity Techniques for Current Risks. InfraGard partners <i>Frank Appunn, Thomas College, Barb Armstrong, Maine Medical Center, Jockel Carter, Sage Data Security & Patricia Bernier, Bath Savings Bank.</i> TECH SKILL LEVEL: Intermediate	Threat Hunting and Killing in the Modern Network. Jockel Carter & Ron Bernier, Sage Data Security & Peter Higgins, Tyler Technologies TECH SKILL LEVEL: Intermediate
Somerset Room 85 capacity		SECURITY Track, cont'd (Somerset Room) Creating an automated end to end security Fabric to proactively protect from malicious cyber threats. <i>Maine Veterans' Homes, & Fortinet</i> TECH SKILL LEVEL: Intermediate	
I.T. INFRASTRUCTURE Track <i>Session A (9:15a) & Session C (2:15p) ONLY</i>			
Somerset Room 85 capacity	Network Redesign at Bates College. Bruce Hall, Bates College & Jason Rioux, Juniper Networks TECH SKILL LEVEL: Intermediate		Better, Faster, and More Local Access to the Internet and the Cloud in Maine. James Troutman, NNENIX & Jeff Letourneau, Networkmaine TECH SKILL LEVEL: Basic
TECH SANDBOX Track			
Oxford Room 65 capacity	Can Blockchain DLT revolutionize the automotive insurance industry? A business perspective. CGI & Central Maine Growth Council	Choreography, Composition, and Code: Introducing Computation through Collaboration and the Arts <i>Matt Jadud, Madison Hallowell, Rebecca Minsley, Bates College</i> TECH SKILL LEVEL: Basic	

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Educational Workshop Descriptions

CLOUD Track

Azure Migration: 9:15am - Cumberland
A Phased versus All-At-Once Approach

Essentially there are two ways to execute a cloud migration - all at once or piece-by-piece. Both options have their pros and cons for end users and IT administrators, and both have financial challenges. This session discusses the experiences of Pine State Trading who went through the "all-at-once" migration to a private cloud in 2016, and has since begun the "piece-by-piece" migration to Azure, both with Systems Engineering.

Attendees will hear a use case that will include what worked and what didn't, what migration can look like, best practices, and things to keep in mind when contemplating making the migration.

Erik Thomas, Senior Analyst – Systems Engineering;
Gary Grunewald, CFO – Pine State Trading

Deploying Azure-based Windows 10 Desktops in Days: 11:15am - Cumberland
How Bioverativ Empowers Employees and Partners

TECH SKILL LEVEL: Intermediate

Bob Dyer, Chief Innovation Officer for Bioverativ, a Sanofi company, shares his experience of quickly and securely delivering Windows 10 desktops from Azure to his employees and partners with Workspot's Azure-based Desktop Cloud Service and SkyTerra Technologies. Discover how this Desktop as a Service solution is impacting his future plans for Bioverativ's efficient global on-onboarding of new employees and additional use cases. Attend and learn how to prepare your Windows 10 desktop image in an Azure VDI deployment, connect your AD and data center network to Azure, and deploy virtual applications, desktops, and NVIDIA-powered GPU workstations from Azure in days.

Bob Dyer, Assoc. Director of Infrastructure and Operations – Bioverativ;
Dan Bergeron, Partner – Skyterra;
Jennifer Piniaha, Senior Director of Sales – Workspot

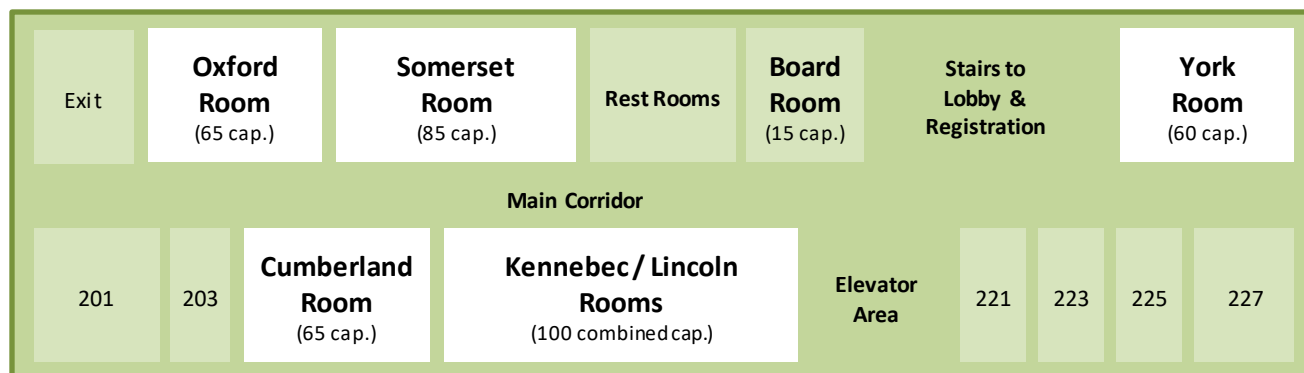
Cloud All of the Things 2:15pm - Cumberland

TECH SKILL LEVEL: Intermediate

Throughout 2017, MPX consolidated all of its servers and desktops from premises VMware and hosted Rackspace dedicated/cloud servers into AWS. Our story covers planning a migration, tools for migrating servers and data, and best practices and tools for managing and securing cloud workloads.

Christopher Falk, Director, IT Operations & Security – MPX;
Jerred Edson, IT Project Manager – MPX

Holiday Inn – MTUG Workshop Rooms – 2nd Floor



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I.T. CAREER DEVELOPMENT Track

DevOps in a Chaotic Situation: **9:15am - York**
A Practical Guide for When Everything is on Fire, and why it's all Going to be Okay!

TECH SKILL LEVEL: Basic

We've read about places like Netflix and Google where the ideal end states for DevOps are described in illustrious detail, but what often gets left on the editing room floor is the gruesome and gory details of how they got there.

IDEXX does DevOps across in its software teams. This is the tale of how one such team encountered struggles getting up to that ideal state of being, and what they are instituting to overcome the challenge of doing DevOps.

Benjamin Hamilton, Manager – Idexx Laboratories;
Dan Jandreau, Dev-Ops – Idexx Laboratories

Building Maine's IT Security Workforce: **11:15am - York**
Perspectives from Two Institutions & An Audience Discussion

Maine's 2.7% unemployment rate, low birth rate, and low population growth rate all combine to create unique challenges in meeting workforce shortages in high demand industries, particularly in I.T. and cybersecurity. The speakers will present specific findings in their recent research to assess the I.T. hiring needs of Maine organizations, and the education and certification needs of technology career hopefuls. Both speakers will briefly present what their respective programs are doing to address the employment gaps in cyber-security, network security, and IT, while acknowledging that more needs to be done. Then the speakers will invite feedback, new ideas, and discussion with participants in the audience to help brainstorm what more steps Maine's workforce pipeline should take to address the challenges. Managers, supervisors, recruiters, students, and people seeking to grow in the industry are all encouraged to attend and participate in the discussion.

Colleen Ruggelo, Business Development Manager – Purdue Global University;
Elizabeth Fortin, Director of Workforce Training & Professional Development – Kennebec Valley Community College

Information Security Certification: **2:15pm - York**
Do you have what it takes?

This workshop will offer questions and answers common to many Information Security certifications, with a focus on how the concepts apply in the real world. Conversations will analyze the rationale and applicability of cybersecurity standards, and how they may be presented on certification exams.

Peter Fortunato, Manager - RBA – Baker Newman Noyes

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SECURITY Track

Using Office 365 Secure Score to Enhance your Microsoft Cloud Security

9:15am - Kennebec/Lincoln

TECH SKILL LEVEL: Basic/Intermed.

This presentation and live demonstration will show small businesses how to increase the security of their Microsoft cloud account using Secure Score and Azure ID Protection.

Chris Rhoda, VP and CIO – Thomas College

Cost-Effective Cybersecurity Techniques for Current Risks: An update from InfraGard Maine partners

11:15am - Kennebec/Lincoln

TECH SKILL LEVEL: Intermediate

Drawing on recent research, FBI, and DHS sources, this workshop provides cost-effective solutions for small to large organizations to reduce security risks. Attendees will receive specific techniques and resources to aid in the protection of their organizations.

InfraGard Maine, is a partnership between the FBI and members of the private sector. InfraGard provides a vehicle for public-private collaboration with government, expediting the timely information exchange, and promotes mutual learning opportunities relevant to the protection and resilience of infrastructure.

Barb Armstrong, InfraGard / Senior Director, IT Privacy & Security – Maine Medical Center;
Frank Appunn, President, InfraGard / Professor – Thomas College;
Jockel Carter, InfraGard / Senior Cybersecurity Professional – Sage Data Security;
Patricia Bern

Creating an Automated End-to-End Security Fabric Solution: Proactive protection from malicious cyber threats

11:15am - Somerset

TECH SKILL LEVEL: Intermediate

This session will discuss the current threat landscape causing many of the costly, cyber security problems in business and personal networks today. First, the session focuses on starting with a sandbox, which independent studies show has a greater detection rate of malware (98.5% on average) compared to anti-virus (90%, using signature-based detection). Then, having a sandbox as the nucleus of the solution supports communication to firewalls. The next step is quarantining detected files at the end point, so the threat does not propagate throughout your network, nor among customers or business partners.

Brian Foote from Maine Veterans' Homes will present his success of implementing and supporting their security fabric solutions (firewall, sandbox, mail, end-point) and share stories of detecting and blocking malware/Zero-days. Brian will interject his experiences throughout the presentation.

Lastly, the session reviews having a SIEM to give single "pane of glass" view of both SOC and NOC, compliance reporting, IoT, and detect/alert on other types of threats, like DDoS, Brute force attacks, stolen credentials or Data Loss (DLP).

Brian Foote, Network Administrator – Maine Veterans' Homes;
David Leinberry, ATP product specialist – Fortinet;
Mike Mokos, ATP engineer – Fortinet

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SECURITY Track (continued)

Threat Hunting and Killing in the Modern Network

2:15pm - Kennebec/Lincoln

TECH SKILL LEVEL: Intermediate

Come to this presentation to find out how modern threats are identified and dealt with in networks like yours. Methods and tactics will be shared. You will leave with a better understanding of how your practices match up with effective cutting-edge procedures that leverage automated tools and human intelligence. The battle is inside your castle and there are ways to win.

Jockel Carter, Senior Cybersecurity Professional – Sage Data Security;
Peter Higgins, Security Officer – Tyler Technologies;
Ron Bernier, Director of nDiscovery – Sage Data Security

I.T. INFRASTRUCTURE Track

Network Redesign at Bates College

9:15am - Somerset

TECH SKILL LEVEL: Intermediate

If the network is supposed to be up all the time, how do you maintain and upgrade it? Asking that question led Bates College to convert their network topology from a "collapsed backbone" based on Layer 2 switching to a "distributed backbone" based on Layer 3 routing. This session shows how two different network designs have been used for the Bates campus network and includes a detailed look at the OSPF routing protocol.

Bruce Hall, Network Administrator – Bates College;
Jason Rioux, Systems Engineer – Juniper Networks

Better, Faster, and More Local Access to the Internet and the Cloud in Maine

2:15pm – Somerset

TECH SKILL LEVEL: Basic

Worried about network neutrality issues and your increasing reliance on the Cloud? This workshop will provide case study examples of how ANY end-user organization can leverage the power of Internet BGP routing to reduce your Internet connectivity costs and avoid single points of failure. You will also learn how your organization can continue to access the neutral and open Internet no matter what happens in Washington DC, while simultaneously increasing the performance and reliability of your Internet & Cloud experiences – all by joining a local Internet Exchange Point.

James Troutman, Director – NNENIX;
Jeff Letourneau, Executive Director – Networkmaine

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TECH SANDBOX Track

Can Blockchain DLT revolutionize the automotive insurance industry? A business perspective.

9:15am - Oxford

This session will explore how Blockchain/DLT can simplify and provide transparency to the automotive insurance claims process, with insight and understanding using a specific business use case.

Richard A. Bryant, Senior Consultant – CGI;

Garvan D. Donegan, Senior Economic Development Specialist – Central Maine Growth Council

Choreography, Composition, and Code:

11:15am - Oxford

Introducing Computation through Collaboration and the Arts

TECH SKILL LEVEL: Basic

Three faculty at Bates College linked their courses in Dance, Music, and Digital and Computational Studies to provide students with the opportunity to develop choreography and dance performances that, through sensing and code, drove the algorithmic composition of music. This workshop will challenge traditional notions of computational engagement as well as introduce participants to the best-of-breed in current embedded hardware and software for exploring programming for the first time.

Want to play along?! Bring your own laptop (Mac/Win/Chrom/Linux) and presenters can let you try to work with the devices on your own computer!

Madison Hallowell, Student – Bates College;

Matt Jadud, Colony Family Associate of Digital and Computational Studies – Bates College;

Rebecca Minsley, Student – Bates College