



vTechUG Birmingham

Virtual Community Event

Thurs 16th July 2020 09:00 - 16:30

REGISTER NOW
FOR FREE

The Independent Community Event for IT Infrastructure, IT Operations, Cloud Computing, DevOps & CyberSecurity Professionals

09:00 - 10:00	Virtual Event Platform Open Inc Video Chat Rooms
10:00 - 10:05	vTechUG Intro - Mike England, Chief Community Dude, TechUG Plan for the day, platform features, sponsors, competitions
10:05 - 10:40	Social Engineering with an ethical hacker Tom Johnson, Ethical Hacker & Social Engineer, Ingrata:sec Tom explores how easily employees can be manipulated into unknowingly giving away data or information which can be used by criminals. He covers the human firewall, the dangers of social media, how social engineers attack the employee at home to gain access to the company. Finally, he explores some of the steps you can employ to prevent this from happening and how you can combat the social engineer.
10:40 - 11:00	Tools & Methods Deployed when someone tried to hack our O365 instance – Brendon Higgins, Technical Architect at Wrigleys Solicitors Brendon explores how an attempted security breach was turned away in a Microsoft Azure hybrid cloud environment. What happened and how you can use the lessons learned to protect your own environment.
11:00 - 11:35	Lessons learned from growing an in house cloud capability at DVLA – Matt Lewis, Chief Architect, DVLA Moving from large proprietary systems running in your own data centres to distributed services running in public cloud is a challenge. This is even more so when IT had been outsourced for decades and then brought back in house. How do you migrate services to take advantage of public cloud? How do you stay current when technology evolves around you? How do you grow capability and become a learning organisation? Ranging from high profile outages to award winning services, it has been an eventful journey and a huge learning experience. Learn more from DVLA's Matt Lewis
11:35 - 12:20	vTechUG Newcastle Virtual Networking & Sponsor Showcase
12:10 - 12:40	WHAT DOES YOUR MOUSE TRAP LOOK LIKE? LEONARD POWERS, SYSTEM ENGINEER, UK & IRELAND, SCALE COMPUTING Leonard will talk about how complex current virtualised infrastructure are and how data efficiency and I/O path matters when designing a solution. This talk will be of particular interest to people looking to update their ageing infrastructure, reducing their VMware licensing costs or managing an Edge solution deployment.
12:40 - 13:10	Tracking aircraft with a Raspberry Pi, Kafka and Vertica Mark Whalley Vertica Technical Enablement Lead at Micro Focus Using a small number of Raspberry Pi "radars" in Geneva, Moscow, New York and Pennard, collecting ~100m messages per day from aircraft, we stream the data into a Vertica database via Apache Kafka. With 50bn historic records, and live data streaming in 10 second micro batches, we have prepared a number of Tableau dashboards to demonstrate having a live conversation with the Vertica database. In this we are using some of the hundreds of in-database analytic, data preparation and machine learning Vertica SQL functions. The dashboards include; the latest positions of aircraft, flight tracks, gap filling & interpolation and sessionisation – to name but a few.
13:10 - 14:10	vTechUG Newcastle Virtual Networking & Sponsor Showcase
14:10 - 14:45	Monitoring in Azure – Sarah Lean, Cloud Advocate, Microsoft Monitoring – it's one of those things regardless of where your workloads are hosted you need to implement, it can help you be proactive within your organisation and avoid issues. In this session, we will go through an overview of monitoring in Azure and what it can do. And walk through some of the things you need to think about when designing your monitoring.
14:45 - 15:20	
15:20 - 16:00	vTechUG Newcastle Virtual Networking & Sponsor Showcase
16:00 - 16:40	Protecting data and ensuring compliance on mobile devices using Microsoft Intune – Simon Binder, Microsoft Endpoint Manager MVP. Principal Technical Architect @ Trusec
16:40	COMPETITION DRAWS, SHOUTOUTS & THANKS
16:45 on	Newcastle Community vBeers, vChat & Networking

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