

Capgemini Week of Innovation Networks

UK Event: International House, Telford

27 September 2017



Capgemini
Week of
Innovation
Networks



LIVING THE FUTURE
since 1967

People matter, results count.



CRAIG WAPPETT

Vice President and Executive Architect
Capgemini

About Craig

With over 26 years' experience in the IT industry, Craig describes himself as a 'pragmatic architect' focusing on large scale transformation programmes with proven success in driving technology vision into business reality.

Craig heads up the Architecture Community for Capgemini's largest client globally, leading an organisation of 150 technology professionals responsible for delivering solutions across the entire IT landscape, which include predictive analytics, complex systems integration, microservices, application and infrastructure transformation.

As a senior leader and member of Capgemini's Global Architecture Community, he plays a key role in the direction of the architecture profession across the Group and developing our future talent.

Welcome to Capgemini Week of Innovation Networks (CWIN)

#CWIN17 is a worldwide Business and Technology event hosted by Capgemini teams across multiple cities, providing a unique opportunity to interact with our ecosystem and share insights around the latest technology trends.

Digital and cloud are the norm; disruption is expected and anticipated across all sectors and industries – driving innovation in every aspect of business and IT. The pace of change requires smarter tools and new ways of working to deliver innovation. Agility is all about responsiveness, being nimble and learning incrementally.

CWIN provides a global platform to explore ways of applying technology – both pragmatically and innovatively – to drive business benefit in an agile manner. I'm delighted to host the UK event; our agenda is packed full of leading industry insight, cutting-edge technology and opportunities to debate hot tech topics in depth.

There are five parallel tracks of activity running at CWIN17, which include thought-provoking presentations and interactive roundtables. The range of topics being presented offers a rich insight into real world use cases for technologies such as blockchain, artificial intelligence, DevOps and microservices.

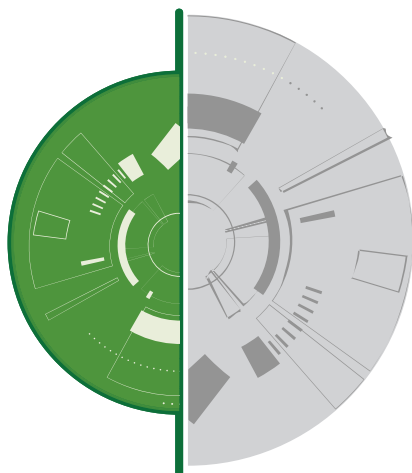
Fancy getting hands on with technology? Watch as we bring the application of technology to life during our hackathon and live demos; the hackathon sees architects and engineers delve into the wonders of image recognition, whilst voice control and biometrics feature in the demos.

50 years ago Capgemini began life as a start-up, so I'm thrilled that three innovative start-ups are joining us today. True AI, Humley and MeVitae test the art of the possible with machine learning and artificial intelligence. Find out more about the fascinating work they undertake in the Start-up and Demo Zone.

A big thank you to IBM and Couchbase, our Platinum partners. I am delighted that they are joined by a variety of Gold and Bronze partners who cover a broad range of technologies, and I encourage you to visit our Partner Village to hear about our partners' latest products and offerings throughout the day.

Please join the global conversation on Twitter #CWIN17 and let us know your thoughts and experiences.

Finally, I encourage you to take advantage of this excellent networking opportunity. I hope you have a great day and I look forward to meeting with as many of you as possible throughout the event.



Agenda

#CWIN17



Partner Village Atrium - All Day	Hackathon Ground Floor - Hackathon Zone	9:00 - 10:00	Registration and Partner Village		
		The Cube			
		10:00 - 10:10	Introduction and Welcome Craig Wappett Vice President and Executive Architect - Capgemini		
		10:10 - 10:45	Key Note: Going for growth fast - did we transform? Alex Smith-Bingham Senior Digital Architect - Capgemini		
		10:45 - 11:00	Break		
		The Cube			
			Zone 1	Roundtables	
		11:00 - 11:45	Leveraging cognitive security for better human decision-making Martin Borrett IBM		
		11:45 - 12:15	VR & AR meets Microservices Ben Scowen Capgemini Gary Baptist Capgemini		Machine learning, analytics and artificial intelligence
		12:15 - 12:45	12:45 - 13:00 Accelerate innovation and revolutionise user experience Tom Green Couchbase		Innovation, discovery and ideation
		12:45 - 13:45	Lunch		
		13:45 - 14:30	Growing business and social impact with a little digital help! John Montague Managing Director Group Operations - The Big Issue Group		
		14:30 - 14:45	Break		
		14:45 - 15:15	Unblocking innovation and agility Roman De Oliveira Mulesoft		Blockchain: From hype to reality?
		15:15 - 15:45	Driving transformation through insight Lee Brown Capgemini		Exploiting cloud technology
		15:45 - 16:15	SAS Viya: Rapid innovation in an open, connected world Paul Jones SAS		Industry challenge: General Data Protection Regulation
		16:15 - 16:30	Break		
		16:30 - 17:00	Expansion and innovation: A digital future for Heathrow Dr. Brian Whitmore - Capgemini		
		The Cube			
		17:00 - 17:30	Closing thoughts Craig Wappett Capgemini and CA Technologies		
		17:30 onwards	Networking and refreshments		

The Arc	The Circle	Start-ups & Demos Conference Room 1&2
New data protection regulations Andy Powell Capgemini	So happy together: Corporates and start-ups Priscilla Li Capgemini	The future of networking: It's in a white box!
Modern Software Factory: The blueprint for automating DevOps Duncan Bradford CA Technologies	Achieving customer centricity in a fast moving, agile environment Nathan Pearce Capgemini	Alexa-controlled infrastructure
Blockchain and digital product memory John MacLeod Capgemini	Architecting for the New Digital David Rutter Capgemini Steven Webb Capgemini	Body-worn biometric authenticators
4 x Mini Tech Talks		
Automated security for the real-time enterprise Simon Edwards Trend Micro		The future of networking: It's in a white box!
GDPR: Threat, overheard or opportunity? Doug Davidson Capgemini	Application integration and APIs: Addressing customer concerns Lisa Eckersley Capgemini	MeVita Start-up
GDPR fatigue? The real issue is a proper approach to data protection Ed Tucker DP Governance	API Management David Rutter Capgemini Abhilash Battu Capgemini	TrueAI Start-up
The 'traditional to cloud' shift: When to integrate and when not to Gunnar Menzel Capgemini	Facial recognition demystified Les Frost Capgemini	Humley Start-up
Adding value to your business through Internet of Things Andrew Jenkins Capgemini		Alexa-controlled infrastructure



The Cube 10:10 - 10:45

Key Note: Going for growth fast - did we transform?

Not only does digital and digital transformation mean many things to different organisations, the options and opportunities are rapidly increasing. What journey should you go on and how do you know if you are on an effective one? How broad or radical do you go – and how fast?

Alex will talk through the key elements to consider: the extent of the market imperative; the organisation's ambition for change for their customers and themselves; and the alignment and capacity between business, IT and your key partners to drive and deliver that change.



Alex Smith-Bingham
Senior Digital Architect
Capgemini

Alex is the digital go-to-market lead for Consulting and Technology, in addition to being the lead for Fast Digital, Capgemini's acceleration engine which supports clients with greater transformational digital needs.

He acts across all Capgemini sectors in the UK to shape digital strategies, offers and thought leadership with clients, to win key new transformational opportunities and ensure Capgemini has the right plans for recruiting future talent. Alex is responsible for increasing the proportion of Capgemini's business that is digital and how it works in the new digital economy.

The Cube 11:00 - 11:45

Leveraging cognitive security for better human decision-making



Martin Borrett
IBM Distinguished Engineer,
CTO IBM Security Europe

@IBM

Martin advises clients at the most senior level on policy, business, technical and architectural issues associated with security. He leads IBM's Security Blueprint work and is co-author of the IBM Redbooks "Introducing the IBM Security Framework and IBM Security Blueprint to Realize Business-Driven Security" and "Understanding SOA Security". He is Chairman of the European IBM Security Board of Advisors, member of the Royal Society's Cybersecurity Research Steering Group, represents IBM at GFCE and ECSO, is a Fellow of the British Computer Society, a Chartered Engineer (CEng) and member of the IET.

Security teams face an onslaught of serious challenges as security threats and fraudulent activities continue to grow in sophistication and volume. In order to handle the rise in data volumes and to protect against exponential threats, security leaders on the front line need a new approach to threat prevention, recognition and counter measures.

IBM's research in this area is extensive and has resulted in revolutionary new developments that bring the Watson cognitive era to cybersecurity, enabling every security analyst to become a cognitive analyst, able to gain powerful insights, leverage threat research, and drive better outcomes through a trusted advisor enabling better human decision-making.

Cognitive security will help to bridge the current skills gap, accelerate responses and reduce the cost and complexity of dealing with cybercrime.



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With **IBM Security and Watson**, IT analysts at thousands of companies can monitor over 35 billion security events a day, 60 times faster than ever. Find out more at ibm.com/you
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The Arc 11:00 - 11:45

New data protection regulations: You can eat the 'elephant' a bit at a time!

The new General Data Protection Regulation (GDPR), which has been designed to strengthen and unify data protection for individuals across Europe, introduces significant changes to the EU Data Protection regime.

However, there is ill informed scaremongering and over complication of the requirement which has caused nothing but confusion and misunderstanding. In reality common sense is needed, and there are also significant advantages and opportunities for businesses.

In this presentation Andy will explain GDPR in bite size pieces, focus on the advantages and opportunities of GDPR and outline a top level enterprise architecture approach to tackling GDPR that will put your organisation on the right path!

Andy Powell

VP for Cybersecurity
Capgemini



Andy has over 30 years' experience in defence and security roles, with recent senior leadership roles as CIO and CISO for the Royal Air Force, Joint Operations and as head of the Ministry of Defence's Cyber Defence Operations and Network Operations.

Andy leads a business that covers all sectors from energy and utilities, to consumer and finance – delivering a broad range of consulting, project and managed cyber services. A Systems and Electronic Warfare engineer by training, he describes cyber as: 'The constant battle of wits between attacker and defender where people, process and technology must converge to enable the business!'

The Circle 11:00 - 11:45

So happy together: Corporates and start-ups



Priscilla Li

Leader of Applied
Innovation UK - Capgemini

Priscilla Li is a leader in Capgemini's Applied Innovation Exchange in the UK, which aims to inspire people and organisations to change the world through the application of emerging technology. Priscilla has held leadership roles in digital across telecommunications, transport and internet industries. As a founding member of Artfinder, she delivered the first image recognition technology to discover, share and sell art and in 2012 was selected by Business Weekly as one of the top Cambridge entrepreneurs.

In the Applied Innovation Exchange, she continues to explore the future with clients, collaborating with start-ups, academics, and community at large to demonstrate how the process of discovery and experimentation can unlock new opportunities for growth and transformation.

There are over 657 thousand start-ups registered in the UK, putting London in the top five start-up ecosystems in the world. Add another 452 thousand start-ups registered this year alone and the challenge of forming the right collaborations can be a daunting task. What is the best way to engage with start-ups? How do we know if we are engaging with the right start-ups in the first place?

An effective ecosystem requires complex collaboration across all parties from large corporations, start-ups, scale-ups, accelerators, incubators, and universities. Options are vast; opportunities fewer. In this session Priscilla will explore how the Applied Innovation Exchange taps into the wider ecosystem through various partnerships to source start-ups, pilot and scale. She'll also demonstrate how Capgemini applies innovation across a proven process of discover, devise, deploy and sustain to help companies and start-ups solve problems with emerging technology in a matter of weeks.



applied
innovation
exchange

APPLIED INNOVATION CHANGES EVERYTHING



Hello,
We help realize the
value of innovation

“Organisations can no longer innovate in isolation, or be content with development and deployment cycles measured in years, or months. The risks of not acting or acting in yesterday’s innovation paradigms are far too great.”

Lanny Cohen, Global Chief Technology Officer and Member of the Group Executive Committee at Capgemini

LET’S TALK

APPLIED INNOVATION EXCHANGE

Many organisations are not designed to innovate effectively or fast. They lack the necessary processes, talent, risk tolerance and leadership alignment, as well as a culture that encourages, rewards and promotes innovation. In an innovation landscape that is increasingly leveraging emerging technologies, a rigorous, disciplined and open approach is required to rapidly and securely gain competitive advantage by hedging risks and compressing cycle times.

Applying innovation at speed and scale, safely and with certainty, and becoming proficient at doing so as an enterprise core competency, are the new market realities. Thus, we have introduced and now offer Applied Innovation and the Applied Innovation Exchange (AIE).

who we are

The Applied Innovation Exchange (AIE) is Capgemini’s global platform that leverages a framework for action, a network of exchange locations, and a high performance engagement experience together with a broad community of designers, technologists, sector experts, business and technology partners, academics, research organisations and startups to enable organisations to proactively plan for and respond to the various technology and business shifts which are confronting them on a daily basis.

what we do

The AIE is designed to enable enterprises to discover relevant innovations and to contextualize and experiment with them within their specific industry. The cohesive network of Exchanges provides organisations an immersive and transformative environment for the exploration, discovery, testing and application of innovation, as well as the rapid deployment at scale and sustainability of their target business impacts.

how we do it

The AIE is made up of five components: a **Framework** to provide discipline and rigour to the Applied Innovation process; a **Global Exchange Network** which provides an infrastructure to innovate at speed and scale; a global curated **Ecosystem** to ensure global access to the right innovations and an accelerated path to Applied Innovation; **Insight expertise** in sectors, emerging technologies and digital transformation to power the innovation process; and a high-performance **Engagement** model with the multiple disciplines necessary to advance and become proficient at innovation as a core competency.





Virtual and Augmented Reality meets Microservices



Ben Scowen

Head of Enterprise iPaaS - Capgemini

Ben's expertise and passion is in designing and delivering highly scalable cloud platform services that can be used to deliver new business services fast as part of a digital transformation. Coupled with his entrepreneurial mind-set, he has created a new business within Capgemini that has an ambition to create a portfolio of platform services easily bought on a monthly basis. Ben brings 20 years of IT experience in multiple sectors and domains and has performed a variety of development, architectural, leadership and organisational roles, including leading one of Capgemini's largest engineering communities of around 400 engineers.

Microservices implemented appropriately are an effective way to connect your business together, but understanding and seeing those interactions in real time is difficult even with the best monitoring tools.

Enabling us to visualise things like they have never been seen before, we believe the gaming industry's application of virtual and augmented reality makes it easier to manage and understand the world around us.



Gary Baptist

Senior Software Engineer - Capgemini

Gary was a geek from the age of 12, which set his path in computing for life. It started with a ZX Spectrum but has now earned him 18 years' professional experience. He describes himself as a programmer only because it's what people he meets in the real world understand, but in reality he just likes creating things and computers happen to be his tool of choice. Whilst he works for Capgemini in the enterprise world, his real passion is in making games. He is currently fascinated with using gaming technology to change how we build business software.



The blueprint for automating and orchestrating the DevOps toolchain to accelerate digital transformation



The Modern Software Factory is the blueprint for digital transformation. With agility at its heart, the Modern Software Factory brings continuous delivery, security and performance to all areas of your organisation.

More and more companies are making the implementation of continuous delivery the cornerstone of their digital transformation efforts, and in this presentation, Duncan will discuss the strategies and innovations to help accelerate those efforts, including:

- Orchestrating the end-to-end DevOps toolchain with continuous delivery solutions and next generation testing practices;
- Automating the delivery of personalised IT services for private and public cloud;
- Establishing DevSecOps practices through the automation and scaling of application security testing.

Duncan Bradford

CTO EMEA
CA Technologies



@CAinc

Duncan is Vice President, Presales EMEA & CTO EMEA at CA Technologies. In this role, he is focused on helping organisations best leverage technology to excel in the application economy. He is passionate about helping organisations embrace business agility and deliver the absolute best end-user experience for their customers.

He is an 18-year veteran of the company and has worked across the globe representing CA. This worldwide customer experience gives him a unique global perspective on the mounting opportunities and challenges organisations face today.



Architecting the *Modern Software Factory*



*The Modern Software Factory is the blueprint for digital transformation. It's where **agility**, **automation**, **insights** and **security** come together to help your business compete. And it's something you can build today with end-to-end tools and guidance from CA and Capgemini.*

Find out more at: www.ca.com/us/modern-software-factory/


CA and Capgemini have a long-standing partnership with proven success in helping joint customers capitalise on the opportunities presented by the application economy.

What does it take to achieve customer centricity in a fast moving agile environment?



Nathan Pearce

Principal Applications Consultant - Capgemini

 @npearce111

Nathan Pearce has 19 years' experience of SAP, and has been the delivery lead on a range of significant projects using the latest SAP digital solutions including UI5 and Hybris, focusing on digital transformation for customer engagement and commerce, spanning go to market through to delivery.

He is also the account portfolio delivery director for several large Capgemini clients, ensuring delivery success and quality as well as providing innovation and roadmaps

In this talk, Nathan will cover five rules to achieving a customer centric organisation, utilising some real case studies and the latest technology innovations.



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since 1967



FOREVER YOUNG



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on capgemini50.com #capgemini50

Celebrating 50 years of inspiring innovation together!

#CWIN17



© Serge Picard



The Cube 12:15 - 12:45

Accelerate innovation and revolutionise user experience

User experience is everything for digital services, and truly digital organisations need to innovate quickly to advance the services that they offer. In this session, Couchbase introduces the Engagement Database: a new type of database which enables modern applications that are leveraging mobile, IoT and cloud-native design patterns to revolutionise user experiences and accelerate innovation. It does this by exploiting the flexible and agile data platform, whilst also reducing complexity and operational costs.

Learn how the world's most powerful and scalable data platform for the enterprise enables organisations to deploy new digital services and transform the user experience by leveraging real-time data – seamlessly from the edge to the data centre and cloud. Tom will bring this to life by describing real, implemented use cases in which the Couchbase Engagement Database provided the core data platform which enabled user centred services to be genuinely transformed.



Tom Green
Lead Solutions Architect
Couchbase

@couchbase

Tom Green is a lead solutions architect at Couchbase, where for the last four years he has been helping customers transform their operational data stores to build interactive and personalised digital platforms.

He has experience working with large organisations across multiple market sectors; recent engagements have included Tesco, Ryanair, Skyscanner and DixonsCarphone. Prior to joining Couchbase, Tom was part of the Microprocessor Research Labs at Intel focusing on dynamic binary translation and also worked on the development of clustered storage systems at IBM.

The Arc 12:15 - 12:45



John MacLeod
Digital Architect
Capgemini

John is part of Capgemini's Digital Experience team, working as a senior digital architect specialising in product architecture and behavioural driven solutions. Recently collaborating with Jaguar Land Rover on an event driven solution, John focuses on delivering agile solutions that evolve with the business.

A keen technologist with engineering and architectural experience across public and private sectors, John's interest is in how digital innovation can be a business value enabler.

Blockchain and digital product memory

How do you build an evolving product memory using distributed events? Following on from some of the real world Blockchain innovations introduced at CWIN16, we'd like to discuss how we combine Blockchain innovation with event-driven architecture to create a living product memory.

Blockchain technology has moved far beyond its crypto-currency roots. Its use as an immutable sequenced record of transactions is now being harnessed as a foundation for innovation and disruption in multiple sectors. Gartner research calls event-driven architecture "the secret sauce" that will help realise the benefits of the increasing availability of valuable event streams. These collected events, along with their sequences and patterns, provide long term rebuildable product memories and are an enabler for some interesting opportunities. By combining events from all stages of a product's lifecycle we can build a trustable living product memory combining multiple sequenced chains. Here we'll use a long life product to model how blockchain can assure these distributed lifecycle events; from design and manufacture through to sales and aftercare.

FROM CUSTOMER EXPERIENCE TO CUSTOMER EUPHORIA

Welcome to the world's
first Engagement Database.



Visit www.couchbase.com
today to learn more.



Architecting for the New Digital



David Rutter

Digital Architect
Capgemini

@davidrutteruk

David is an experienced digital architect with 30 years in the industry. He joined Capgemini in 2013 after previously working in the banking and telecom sectors and for a multinational digital agency.

He has wide-ranging experience in software development, and in using agile, DevOps and test driven development to help deliver rich customer experiences. He is TOGAF 9 Certified and a Capgemini Certified Architect to Level 2.

The digital landscape is evolving rapidly, with the digital experience spreading into conversational user interfaces using chat and voice, and increasingly capable and affordable cloud based services.

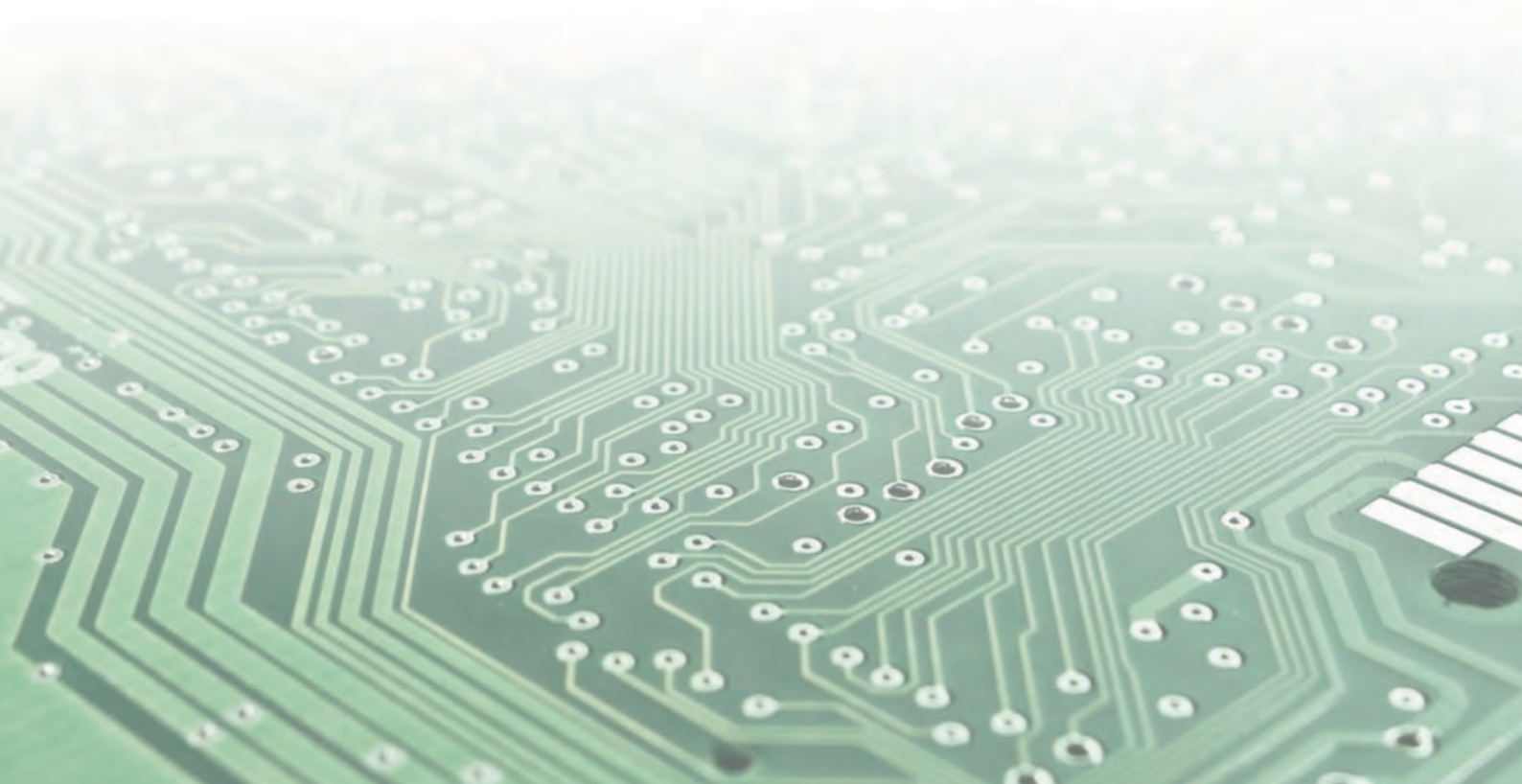
This talk explores the architecture Capgemini has implemented for one of its key clients and David's and Steven's experiences in adapting it for the 'New Digital'.



Steven Webb

CTO Royal Mail Group
Capgemini

Steven is the Account CTO on one of Capgemini's largest UK accounts and leads the UK Digital Architecture team. Steven is an experienced IT strategist, enterprise and solution architect. He has worked in a variety of roles specialising in helping CXOs and large organisations transform their enterprises and customer experience to increase business performance through intelligent use of digital. Steven has extensive technical and functional experience with a proven track record of successful delivery across multiple sectors, taking projects from inception through to implementation – from strategic business vision to major multi project release delivery.





Growing business and social impact with a little digital help!

The Big Issue is 26 years young and it's time for it to develop its systems and infrastructure to be fit for the next 25 years! John will detail the journey, from 15 year old computers and lots of paper, to a vision of a flexible and mobile organisation that uses technology and data to increase profit and deliver greater levels of social impact and support – with a little help from its friends at Capgemini!



John Montague
Managing Director Group Operations
The Big Issue Group

 @BigIssue

John has worked in the Social Enterprise and Housing Sector for the last 15 years. He joined The Big Issue (TBI) Group in 2012 and is responsible for leading on early stage social investment and Group Infrastructure development.

Over the last three years, TBI Group has started its journey to fully embrace the value that digital and mobile infrastructure can bring to both financial performance and extending the social impact delivered across the UK.



Automated security for the real-time enterprise



Simon Edwards

European Cybersecurity Architect - Trend Micro

 @TrendMicro

Simon is a European Cybersecurity Solutions Architect for Trend Micro's global Network Breach Defense team. He has worked in the IT industry since the late '80s and in security specifically for the last 20 years. He has worked in a number of roles for influential security vendors such as Internet Security Systems, Netscreen, Nitro Security and Damballa.

He spent over 8 years working as a contractor for the UK Government, including HMRC, MOD and the Cabinet Office; where he worked as a security architect on some of the largest security transformation projects carried out in the UK. His skills range from intrusion detection, security event management and malware detection and research.

In today's real-time enterprises, operations teams often have to do more with less, and in some cases are to take shortcuts to meet business demands. Workload, network and cloud virtualisation introduced a quantum leap in our operational capabilities, but security often remains an afterthought, with lots of manual tasks and add-on point solutions that lack unified controls for this era of digital transition.

Workloads are often put into production, lacking adequate protection and automation of security controls. This leaves unforeseen and high-risk vulnerabilities open for exploitation.

This session will cover the native-API capabilities of Trend Micro Deep Security and its strong integration with the most common frameworks. It will demonstrate how architectures can build-in security without any additional effort and provide "secure-by-design" solutions that will bring their environments into the new era of network security.



Trend Micro Deep Discovery 'Recommended' Breach Detection System for 3 years in a row

Detection Rates

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www.trendmicro.co.uk/xgen-cyber

Unblocking innovation and agility: A paradigm shift to deliver agile and flexible IT


The digital revolution has disrupted every single industry, but has also afforded many opportunities to companies willing to embrace it. Businesses have to both innovate at a rapid pace and compete with established as well as new, lean companies. In order to thrive in this environment, speed and efficiency in the IT organisation becomes imperative.

Achieving the speed and efficiency desired requires a focus upon creating smaller, agile units for business, processes and underlying technology, and one that can still maintain stability and control. To effect the kind of change that will allow organisations to compete in a truly disruptive business environment, a new vision is proposed for enterprise IT: the application network.



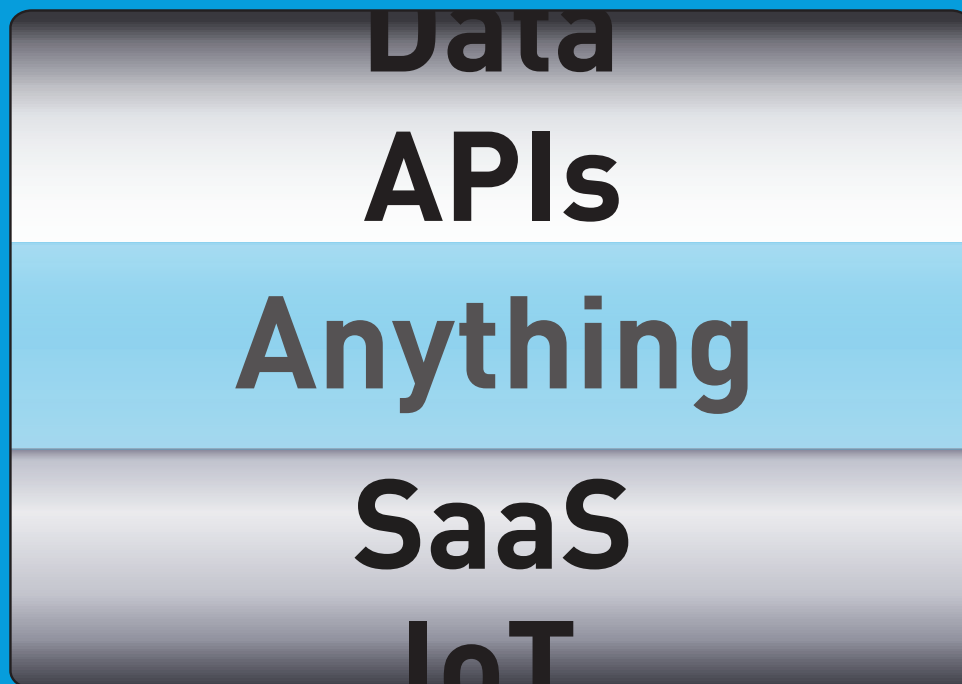
Roman De Oliveira

Partner Presales
Mulesoft

 @MuleSoft

Roman is an API enthusiast with a background in integration. Although starting his career in evangelising service-oriented architecture (SOA), Roman is now focusing his effort in "fixing" it by educating people how to avoid SOA pitfalls using today's technology and new ways of working.

MuleSoft connects



GPDR: Threat, overheard or opportunity?



Doug Davidson

GDPR Lead & UK CTO for Cybersecurity - Capgemini

Doug is a highly accomplished senior cybersecurity business leader, CTO and managing consultant who often sits in the role of client side 'trusted advisor', guiding organisations at CXO level.

With a strong mix of consultancy, commercial and technical skills coupled with pragmatic experience, Doug has designed, implemented and led strategic transformation programmes, cybersecurity consultancy engagements, and bespoke secure global multi-classification technology and services implementation programmes. He has also delivered cyber planning, improvement, and innovation initiatives into a wide variety of teams, organisations, and cultures over the last 20 years.

Whilst the new General Data Protection Regulation (GDPR) has been designed to strengthen and unify data protection for individuals across Europe, for some the road to GDPR compliance will be fraught with many risks and issues that can trip up the unwary.

Alongside the often discussed costs and impacts associated with meeting the GDPR compliance requirements, there are also significant advantages and opportunities for businesses.

In this presentation, Doug will outline some of the misconceptions of the GDPR, what the advantages and opportunities of the GDPR may be, and approaches and techniques that customers striving to attain GDPR compliance can adopt in order to meet compliance.

Application integration and APIs: Addressing today's customer concerns

In this talk, Lisa will explore the concerns today's customers have with application integration and APIs. She will discuss what customers need to consider and how to choose the most appropriate solution for a business problem as well as ensuring relevance to their industry alongside:

- How application integration has changed over the past three or four years from traditional on-premise to cloud based systems;
- How organisations and vendors are positioning capability to create a joined up integration service between cloud and ground;
- How APIs are increasingly the default mechanism by which applications and services are exposed, therefore application integration and API management are converging concerns.



Lisa Eckersley

Integration Architect
Capgemini

A senior architect with a technical background specialising in integration, Lisa has over 20 years' delivery experience using a variety of technologies and capabilities across several sectors.

Her key technical skills centre around integration delivery and producing patterns, principles and ensuring the adherence to standards ensuring quality deliverables. Lisa is the deputy lead of the Capgemini Integration Architects team. She is also TOGAF and Scrum certified.

Driving transformation through insight



Lee Brown

Head of UK Big Data & Analytics
Capgemini

@leebrownCG

Seeing is believing; the goal of your analytics has to be about driving business value. Through real life examples, Lee will share how organisations are using their data, through big data and analytics solutions, to transform the way they do business. Lee will look at insight examples across consumer products, utilities, oil and gas, and government.

Lee heads up the UK Big Data & Analytics practice within the global Insights & Data business in Capgemini. He has a team of 140+ consultants in the disciplines of data science, engineering and visualisation, who work across various sectors delivering innovative and industrialised insights driven solutions. He has 20+ years of data experience delivering successful BI and Analytics projects, both in an advisory and solution delivery capacity.

His focus now is on helping organisations get real business value from their data by exploiting new technology and ways of working, and ultimately driving transformation through insight.



GDPR fatigue? Me too - the real issue is a proper approach to data protection



Ed Tucker
CIO - DP Governance

 @softwareAG

Ed is the current European Chief Information Security Officer of the Year and UK Security Officer of the Year, and has been recognised for his contribution and sharing of best practice with the wider security world. As former head of cybersecurity for HMRC, Ed led the Cybersecurity and Response Capability for eight years developing two intelligence-driven Cybersecurity Command Centres; the first in-house developed capabilities in UK Government.

Ed implemented security controls which reduced phishing emails purporting to be the UK Tax Authority by 500 million by spearheading the use of DMARC.

The industry is awash with self-professed General Data Protection Regulation (GDPR) experts peddling another story of fear. Data protection has been a long-standing requirement for many businesses and GDPR is just the current, and significant, stick which is being brandished to motivate. In Ed's experience, the journey is not a bunch of quick fixes glued together, nor a technological panacea, but an approach that starts with the basics and grows to present to the business a broad, layered approach to data protection.

This presentation explores how to assess GDPR readiness, how to look across your business at operational and technical vulnerabilities and finally, how to put the building blocks in place for a sustainable approach to data protection.



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When you combine the right data in real-time...

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You create infinite possibility.

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At Software AG, we create technology that helps organizations transform. To be more competitive, more innovative, and ready to shape the future.

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API Management: Practical implementation experience with microservices, DevOps and test-driven development



David Rutter

Digital Architect
Capgemini

@davidrutteruk

David is an experienced digital architect with 30 years in the industry. He joined Capgemini in 2013 after previously working in the banking and telecom sectors and for a multinational digital agency.

He has wide-ranging experience in software development, and in using agile, DevOps and test driven development to help deliver rich customer experiences. He is TOGAF 9 Certified and a Capgemini Certified Architect to Level 2.

Application Programming Interfaces (APIs) are key to digital innovation and unlocking business value. In this talk, David and Abhilash share their experiences of exposing and consuming microservices using API management with DevOps and test automation.



Abhilash Battu

Senior Test Consultant
Capgemini

@abhiee22

Abhilash is senior test consultant specialising in API testing and automation using an agile approach with test driven-development (TDD). Abhilash has 7 years' experience in the industry, having worked in the digital and financial domains. He is a certified test manager and ScrumMaster®. He is keen to understand the latest trends and best practices in the digital domain and to incorporate them into quality assurance processes.



SAS Viya: The platform for rapid innovation in an open, connected world



Paul Jones

Hadoop and Big Data Practice Lead
SAS UK & Ireland

Paul is an expert in applied analytics architectures to produce proven business outcomes, with over 25 years of experience in the industry. Over the last 4-5 years he has been leading Hadoop and Big Data applications within the SAS customer base to enable data-led business transformation. More recently he has been working with customers on supporting their Cloud deployments of SAS. SAS has worked extensively with the Capgemini team in the UK over the last 3 years.

Paul has been at SAS 20 years and has wide-ranging practical experience with technology change and implementation programmes. He has worked with a number of large global organisations including government customers, Royal Bank of Scotland, Vodafone, LBG, Capital One, BOA and NAG, where he has helped increase revenues and drive down costs.

Currently the SAS Platform is being modernised with the introduction of SAS Viya, which extends SAS's open, cloud ready analytics architecture and introduces its next generation of AI Technology. In this talk, Paul will cover the basics of Viya and talk about case studies where the new capabilities of SAS@Viya complementing SAS® 9.4 enables everyone – data scientists, business analysts, developers and executives alike – to collaborate and achieve innovative results faster. Paul will give a practical example of a recent project with Capgemini and talk about some other case studies where Viya has brought innovation more quickly to the market.

YOUR INGENUITY. YOUR BUSINESS STRATEGIES. OUR OPEN ANALYTICS PLATFORM.

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The 'traditional to cloud' shift: When to integrate and when not to

Today, the majority of enterprises operate large traditional IT applications that were developed in a waterfall approach, mainly using a monolithic blueprint [1]. This is in stark contrast to the latest IT pattern – using cloud-native to drive the digital agenda. However, integrating or replacing traditional with cloud native applications can be a real challenge; the path for traditional (sometimes referred to as legacy) is not clear. Gunnar's presentation will analyse the options, as well cover a number of key considerations.

[1] www.capgemini.com/cloudnative



Gunnar Menzel
Vice President, Chief Architect
Capgemini

As chief architect and master certified architect for Capgemini Cloud Infra, Gunnar drives technology thought leadership, leads all Infra Architects, acts as the global point of contact for Capgemini's key partners and is involved in global sales and bids. In addition, he represents Capgemini at The Open Group and is Judge for the 2017 Dynamic Data Centre Awards.

Gunnar has authored many external publications covering subjects like IT transformation, enterprise architecture and DevOps, as well as presenting at various key events. He has been rated as one of the Top 100 most influential Chief Information Technology Officers.

Facial recognition demystified



Les Frost
Senior Technical Architect
Capgemini

A senior technical architect with broad technical experience with a real passion for software engineering. For many years Les has worked on delivering large scale online services in the public sector such as Online Self-Assessment. More recently he has worked on delivering online services based on the GOV.UK Digital by Default service standard.

Les is also heavily involved in the development and technical leadership of the Capgemini Digital and DevOps software engineering capability.

Nothing in machine learning captivates the imagination quite like the ability to recognise images. Identifying imagery must imply "intelligence", right? Let's demystify the magic. InfoTrends' most recent worldwide image capture forecast estimates customers will take 1.2 trillion photos in 2017. The proliferation of images, the availability of massively scalable computing power and the development of deep learning algorithms has led to an explosion in the use and accuracy of facial recognition.

If you've ever wondered how facial recognition works, this session will take a very simplified look at how neural networks can be used to recognise the complex patterns required to allow computers to "see" the human face. It will look at examples of how facial recognition is being used in business as the technology becomes mainstream. The session will also give an overview of the CWIN17 hackathon challenge to build a facial recognition solution using a Raspberry Pi and the AWS Rekognition service.



The Cube 16:30 - 17:00

Expansion and innovation: A digital future for Heathrow



Dr. Brian Whitmore

Principal Solution Architect - Capgemini

@DrBrianWhitmore

Brian has over 30 years of expertise in architecture and programme delivery, and has delivered large scale transformation programmes from formulating the strategy, getting systems live, through to banking the business benefits.

Over this period, Brian has worked with many large public and private sector organisations to build a reputation for business adoption success, technology innovation delivery assurance.

The challenge for Heathrow in constructing a 3rd runway with a new terminal building is to incorporate the requirements of the Heathrow Expansion team into the overall Asset Management strategy for the future airport. The strategy for Asset Management, which was formulated as part of the Asset Management transformation programme, is now fully operational and currently being revised to incorporate Heathrow winning the 3rd runway. Capgemini has worked in collaboration with Heathrow and its ecosystem of partners to create an Asset Information Roadmap that addresses this emerging challenge.

This talk provides an overview of the challenges facing Heathrow as it starts the journey to becoming a 'digital airport', while at the same time running one of the world's busiest airports in the urban community of West London. Bringing this all together is an exciting challenge for airport technology, innovation and digital platforms.

The Arc 16:30 - 17:00

Adding value to your business through the Internet of Things



Andrew Jenkins

Solutions Architect
Capgemini

In this talk, Andrew will explore why the Internet of Things (IoT) has such a high profile and why your business can't ignore the inevitable transformation. IoT is here but how do we make it last? Having a secure solution is one way, but what does that mean in the world of IoT and cloud? Andrew will then take a shallow dive into some of the aspects of why security is so important and the issues with it and IoT today. After a quick look at what it means to be connected in the IoT world and the data that will add the real value to your business, Andrew will cover some of the Capgemini solutions, including an out of the box turnkey IoT solution, that can be ready for your business tomorrow.

A senior IT architect with a technical background specialising in solutions and infrastructure, Andrew has spent many years delivering in the public sector using a variety of technologies and capabilities. His deliveries tend to specialise where there are specific security requirements and where secure deployment and run of the capability is paramount to the ongoing business function.

Andrew leads the UK Architects IoT community and runs regular workshop events on new IoT capabilities and Capgemini offerings from around the globe.

Roundtables

The Cube all day

Discover more about the CWIN 2017 hot topics as a panel of industry experts discuss emerging technology, industry patterns and the challenges that lie ahead. These sessions provide an environment for a more focused, interactive discussion with a panel of experts.

Machine learning, analytics and AI - generating new business models

11:45 - 12:15

Advances in machine learning, analytics and artificial intelligence are creating performance and productivity opportunities for businesses and the economy; they are reshaping the world of employment and the future of work. Find out how as emerging technology is put at the heart of the debate.

Innovation, discovery and ideation

12:45 - 13:15

Can you learn how to apply innovation at the right speed and scale? What are the tools and insights you need to help achieve the competitive edge amid an age of digital disruption? Discover the answer to these questions and more as innovation and ideation are placed under the CWIN spotlight.

Blockchain: From hype to reality

14:45 - 15:15

The buzz around blockchain since it burst onto the technology scene has been unprecedented, largely due to the popularity of cryptocurrencies like bitcoin, but is the hype justified? Blockchain's strength comes from its network, but what about its weaknesses? Join a network of blockchain experts as they discuss the technology in greater detail.

Exploiting cloud technology

15:15 - 15:45

According to a study by the International Data Corporation (IDC), investment in cloud computing is expected to grow at over six times the rate of IT spending by 2020. Find out how to get the best from cloud technology as a team of experts discuss real world considerations for deploying your applications in the cloud.

Industry challenge: General Data Protection Regulation

15:45 - 16:15

General Data Protection Regulation, or GDPR, will overhaul how businesses process and handle data. But what is GDPR? GDPR is Europe's new framework for data protection laws. During this roundtable, experts will debate the opportunities and challenges it will bring for businesses and individuals alike.



Start-ups and Demos

Start-up and Demo Zone All day

Meet and greet innovative start-ups who specialise in all things artificial intelligence (AI). Representatives from Humley, MeVitae and True AI are located in the Start-up and Demo Zone – why not delve into the fascinating work these start-ups are undertaking as they test the art of the possible with AI.

Humley

 @humleyai

Humley is an expert in using AI to deliver natural, flexible machine-to-human unscripted conversations that spontaneously move across multiple topics, are individually tailored to the user and produce conversational interactions and useful end user outcomes.

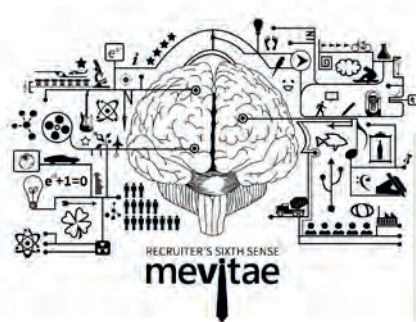
Humley's unique management system enables rapid and efficient delivery of multi-function, multi-channel end user solutions at scale. The containment rate of Humley AI Assistants is market leading; Humley is driven by removing machine to human friction.



MeVitae

 @MeVitae

MeVitae leverages data-driven and artificial intelligence solutions to solve the toughest employment challenges, from diversifying workforces to global mobility. Its decision-making solution makes intelligent and personalised HR decisions, tailored to each company's needs. The aim: augmented intelligence to unleash human potential.

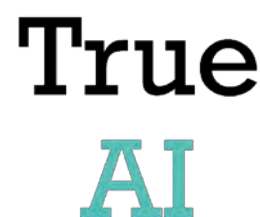


True AI

 @trueaicompany

True AI makes customer service semi-automatic by using cutting edge, artificial intelligence technology. The solution is an augmentation of the customer service agent's workflow. With True AI, the agent automatically receives suggested answers to all incoming text-based queries in real-time. True AI's automated suggestions save the agent 20-40% of the time spent problem solving. Agents can use this additional time to talk with more customers, focus on providing the exceptional experience, or even engage in proactive sales conversations.

In short, using True AI's automated suggestions eases the life of your operators and makes your customers happier.



Explore the AIE

 @CapgeminiAIE

The Applied Innovation Exchange Global Network provides an immersive and transformative environment, as well as the infrastructure to innovate at speed and scale. Does innovation happen in a flash of light? Quite the contrary. Capgemini believes that innovation is a long journey, with many milestones. Visit the AIE stand to find out more.



The future of networking: It's in a white box!

Watch as the Capgemini Platform Engineering team showcases the capabilities of white box networking, decoupling hardware and software, to bring networking into the open source world.

Alexa-controlled infrastructure

Ever wondered how to deploy, scale, delete and even migrate deployment's from one cloud provider to another with a single command? What about if this could be achieved just using your voice, and a trained Alexa Dot! Using a mixture of Kubernetes and Containerisation watch this demo show you how to do all this, and more!

Body-worn biometric authenticators: The future of identity verification?

Most of us are familiar with some form of biometric identity verification, be that through the fingerprint reader on our smart devices, voice biometrics at the call centre, or the array of biometric technology now encountered at national borders.

However we are yet to see a single winning pattern for the use of biometrics in identity verification, and as a result most of today's digital services still rely on the precarious security, and often frustrating user experience offered by password based credentials. This talk explores whether body-worn biometric authenticators offer all or part of the solution and includes a demonstration of "The Nymi Band" - a wrist-worn authenticator which uses your heartbeat as a biometric.

Removing the password sprawl!

This demo will show the capability of generating a onetime use password to enable authentication to Linux systems. The team will utilise the features of HashiCorp's Vault open source product to provide easier and more secure management of hosting infrastructure, by removing the management overhead relating to multiple keys and complex password management.

Tech Talks

Over lunch, the Demo and Start-up Zone will be hosting four 15-minute tech talks to provide further insight into real-world uses of technology.

Ground Floor - Hackathon Zone All day

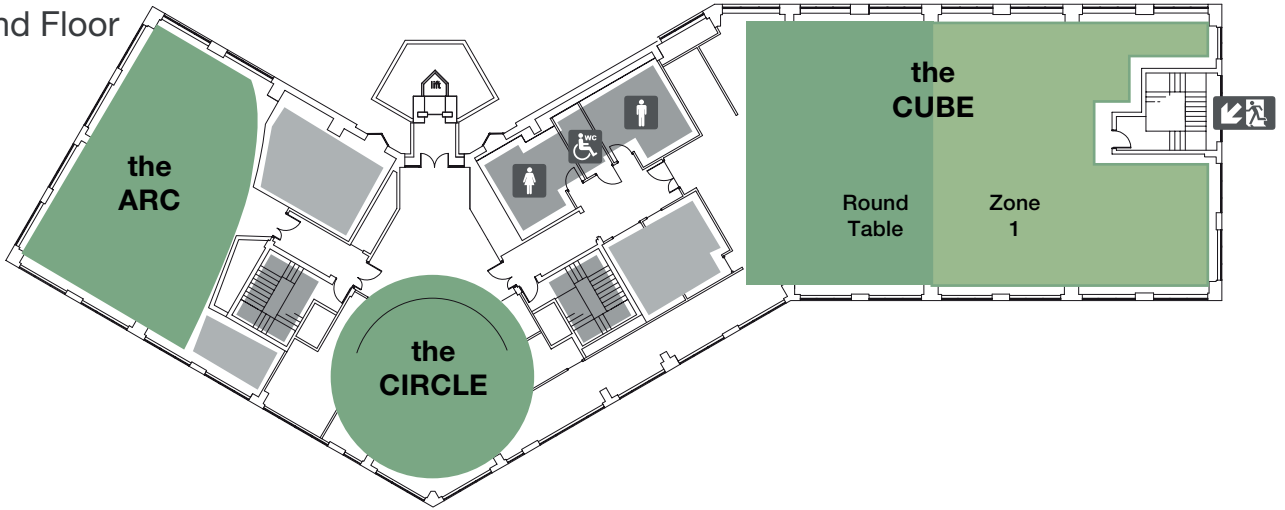
Hackathon

Follow the action as it happens as a team of enthusiastic 'hackers' delve into the wonders of image recognition technology. The techies are tasked with building solutions that utilise cloud-based image recognition services, such as AWS Rekognition, and open source deep learning platforms. The team will also explore a number of business problems that could be solved by leveraging the power of image recognition.



Event Layout

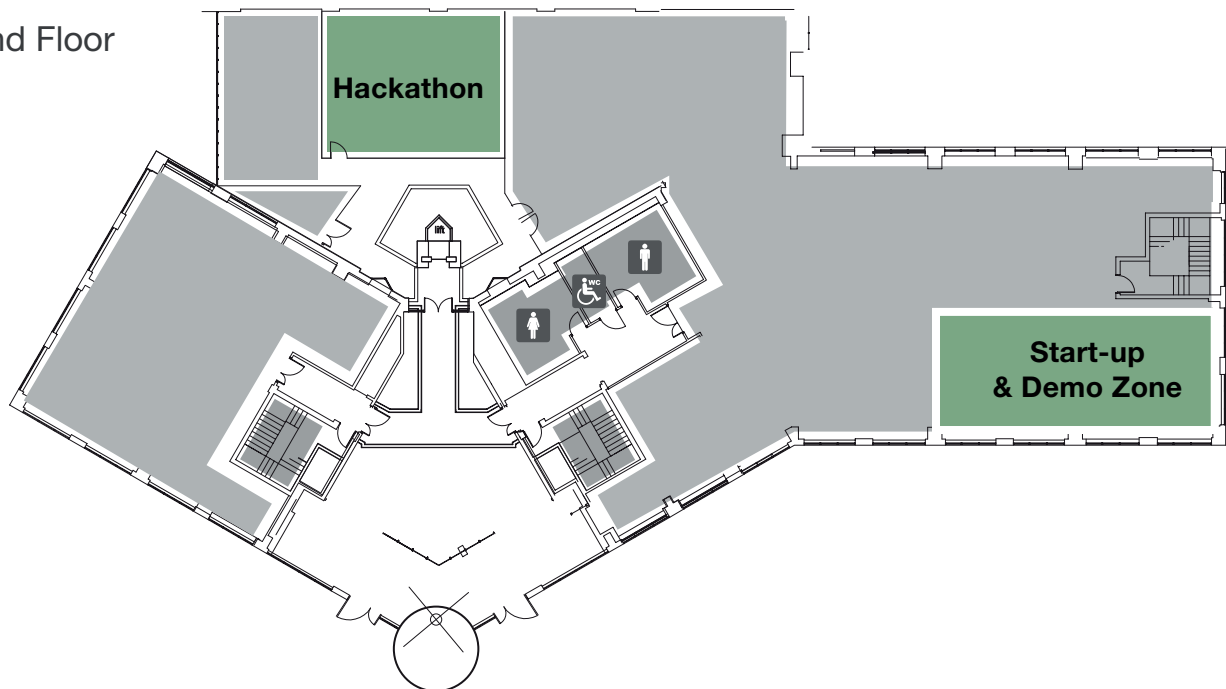
Second Floor



First Floor



Ground Floor



Our Partners

Platinum



Couchbase



Gold



MuleSoft®



Bronze



docker

ORACLE®

About Capgemini

With more than 190,000 people, Capgemini is present in over 40 countries and celebrates its 50th Anniversary year in 2017. A global leader in consulting, technology and outsourcing services, the Group reported 2016 global revenues of EUR 12.5 billion. Together with its clients, Capgemini creates and delivers business, technology and digital solutions that fit their needs, enabling them to achieve innovation and competitiveness. A deeply multicultural organization, Capgemini has developed its own way of working, the Collaborative Business Experience™, and draws on Rightshore®, its worldwide delivery model.

About Sogeti

Sogeti is a leading provider of technology and engineering services. Sogeti delivers solutions that enable digital transformation and offers cutting-edge expertise in Cloud, Cybersecurity, Digital Manufacturing, Digital Assurance & Testing, and emerging technologies. Sogeti combines agility and speed of implementation with strong technology supplier partnerships, world class methodologies and its global delivery model, Rightshore®. Sogeti brings together more than 25,000 professionals in 15 countries, based in over 100 locations in Europe, USA and India. Sogeti is a wholly-owned subsidiary of Cap Gemini S.A., listed on the Paris Stock Exchange. For more information, please visit: www.capgemini.com or www.sogeti.com