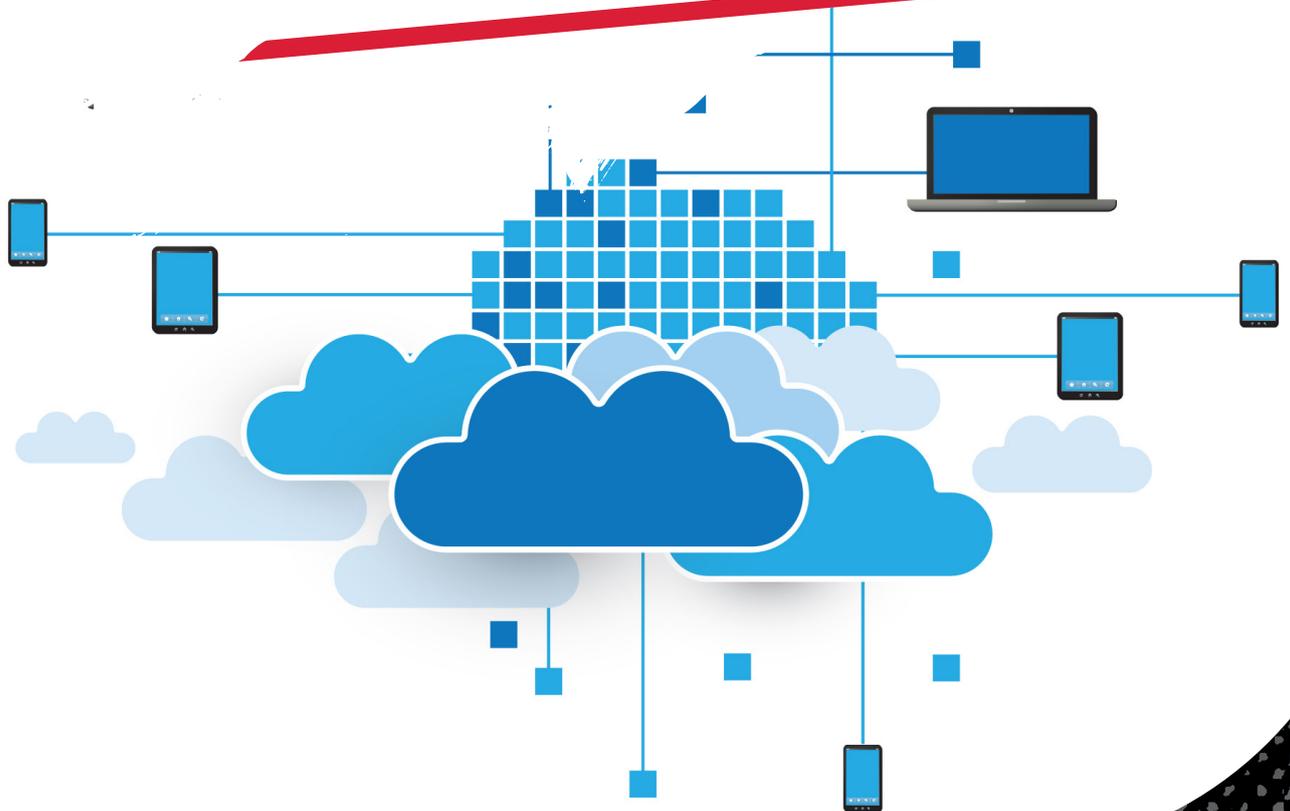


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# Cloud Services in the public sector

**EVENT  
GUIDE**



September 15-16 2020 | **VIRTUAL CONFERENCE**



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## CONFERENCE CHAIR



**JOS CREESE**, *CEO, CCL and Past President of SOCITM and BCS*

With over 30 years IT leadership experience, Jos has held a variety of CIO roles and non-executive director positions. He is a recognised independent analyst and researcher, strategic advisor for multiple IT businesses, past President of Socitm, and also of the BCS, the Chartered Institute for IT. He chairs the Open University 'School of Computing' Industrial Advisory Board and is a non-exec on the Risk and Audit Committee for the Department of International Trade, covering cyber and digital risk.

For over a decade Jos was CIO and latterly CDO for Hampshire County Council, leading a range of ground-breaking shared services and achieving national recognition with a range of awards for IT innovation. He has worked with national and international governments on IT programmes and has led large-scale mergers, and the start-up and subsequent sale of a tech business. Previously listed as the 'most influential and innovative CIO' in the UK, he now operates as an independent consultant, advising public and private sectors on digital and IT strategy.



# WELCOME

## Welcome to the 2020 Cloud Services in the Public Sector conference!

This is the first virtual conference that Holyrood Connect has organised and we are excited to provide you with the same high quality agenda and speakers, direct to a location of your choice! Spread over two days, we will bring you a mixture of live sessions (two on day 1, three on day 2) and on-demand sessions so that you don't feel tied to your screen and can access certain content when it suits you! There will also be plenty of opportunity to chat with fellow delegates through our virtual platform.

Within this digital handbook you will find the conference agenda as well as profiles of our speakers and sponsors.

### Our Platform

We have partnered with Workcast to provide you with two days of interactive sessions. With no downloads, no plugins and no barriers, our platform allows you to watch the conference on any device, including mobile devices operating on iOS and Android. This means you can attend sessions wherever you are.

### Submitting Questions

If you have a question to ask during a webinar, you can submit your question using the

'Ask a Question' function within the auditorium. This allows you to simply type in your question and submit to the presenter who will see it straight away. For on-demand sessions you can leave a question when you watch the session and the presenters will be on at certain advertised parts of the conference to answer them and chat with you!

### Sponsors

A huge thank you to our sponsors: Amazon Web Services, Six Degrees, CirrusHQ, and Zerto. These

two days would not be possible without them. We encourage you to visit our Sponsor Hub pages to interact with the sponsors (chat function available) and see what they can offer your organisation.

### Online Evaluation

You will receive an online evaluation form after the event. We would be extremely grateful if you could complete this with any constructive comments (good or bad) to help us in the development of future virtual conferences, especially as this is our first one.

Finally, we hope that you enjoy this conference; that you leave with new ideas and methods you can apply to your own practice; and that we will have the opportunity to meet you again at a future Holyrood Connect event!

**HOLYROOD EVENTS TEAM**



# SPONSORS

**GOLD SPONSOR**



## AMAZON WEB SERVICES (AWS)

Amazon Web Services (AWS) Worldwide Public Sector helps government, education, and nonprofit customers deploy cloud services to reduce costs, drive efficiencies, and increase innovation across the globe. With AWS, you only pay for what you use, with no up-front physical infrastructure expenses or long-term commitments.

Public Sector organisations of all sizes use AWS to meet core security and compliance requirements, such as data locality, protection, and confidentiality with our comprehensive services and features. With AWS you can build on the most secure global infrastructure, knowing you always own your data, including the ability to encrypt it, move it, and manage retention.

## SILVER SPONSORS:



### CIRRUSHQ

CirrusHQ are a highly accredited AWS Advanced Consulting Partner who focus purely on the Amazon Cloud. We specialise in designing, deploying and managing Cloud solutions; migrating services and applications to the Cloud; and providing Cloud consulting services across the public and private sector. Our unrivalled skills and insights into AWS enables organisations to unlock the scale and innovation of the Public Cloud using our highly certified engineering teams working alongside existing internal teams. Our solutions always meet Well Architected standards, and are cost effective, secure, scalable and reliable. Wherever you are on your Cloud journey we can help.



### SIX DEGREES

Six Degrees is a cloud-led managed service provider who works as a collaborative technology partner to government organisations making a digital transition. Always placing clients at the heart of its strategy, Six Degrees' passionate teams combine technical expertise and deep knowledge of the public sector landscape to drive innovation of public services. Six Degrees builds long term partnerships and has extensive experience delivering cloud-led solutions to Government Digital Service, Ministry of Justice, Crown Prosecution Service, Cabinet Office, Home Office, local regional governments and blue light organisations. It continually innovates the right solutions to enable clients' brilliance.



### ZERTO

Zerto helps customers accelerate IT transformation by eliminating the risk and complexity of modernization and cloud adoption. By replacing multiple legacy solutions with a single IT Resilience Platform, Zerto is changing the way disaster recovery, backup and cloud are managed. At enterprise scale, Zerto's software platform delivers continuous availability for an always-on customer experience while simplifying workload mobility to protect, recover and move applications freely across hybrid and multi-clouds. Zerto is trusted by over 6,000 customers globally and is powering resiliency offerings for Microsoft Azure, IBM Cloud, AWS, SunGard AS and more than 350 cloud services providers.

**DAY 1** - TUESDAY 15TH SEPTEMBER

*Conference Chair: Jos Creese, CEO, CCL and Past President of SOCITM and BCS*

**09:30 - 10:30 Conference Opening**

In our opening session attendees will hear the latest thinking from the Scottish Government focusing on the recently published guidance relating to public sector Cloud.

Delegates will be able to engage with the Scottish Government through a Q&A session plus our interactive polling tools.

**Ross Lyon**, *Transformation Manager - Cloud 1st, Scottish Government*

**Nia Lewis**, *Cloud Service Manager, Scottish Government*

**Samuel Smart**, *Lead Cloud Architect, Scottish Government*

**Phil Le-Brun**, *Director of Enterprise Strategy and Evangelism, Amazon Web Services*

**Lisa Pittman**, *Senior Portfolio Specialist - ICT Networks, Scottish Government*

**15:15 - 16:15 From Legacy to Cloud First: the Journey from Idea to Delivery - The University of Oxford's Gardens, Libraries and Museums brought to life online!**

The University of Oxford's museums contain some of the world's most significant collections. The goal of the University's museums and IT Services team was to make the detailed data it holds for these collections accessible – and searchable – online in a single location. Teaming up with CirrusHQ, a leading AWS Advanced Consulting Partner: the solution utilises AWS to maximise performance and reliability and features and delivers a scalable, cost effective, and managed service using latest CI/CD techniques. It delivers a platform for long term growth, and is ready to adopt the rest of the museum's archives online in the near future.

**Anjanesh Babu**, *Systems Architect and Network Manager in the Gardens and Museums IT Team, University of Oxford*

**Marcus Cheetham**, *Project Manager, University of Oxford*

**Muhil Vannan**, *Technical Lead, CirrusHQ*

**Peter Jackson**, *Business Architect, CirrusHQ*



**DAY 2 - WEDNESDAY 16TH SEPTEMBER****10:00 - 11:00 Embedding IT Resilience in Scotland's Public Sector**

With a rise in COVID-19 related scams over the last few months and cyber threats continuing to grow, it's more important than ever for public sector organisations to build resilient IT strategies that will protect their data. However, according to the IDC, only 50% of organisations have IT resilience measures in place, putting many at risk of disruption from malware, migration to the cloud and unexpected disaster events.

So how can your public sector organisation build and maintain an effective strategy? And what challenges are hindering IT resilience maturity?

**Keith Nicholson**, *Chair, Cyber Security Scotland*

**Michael Murphy**, *Regional Manager - UK North & Ireland, Zerto*

**Deryck Mitchelson**, *Director of National Digital and Information Security, NHS National Services for Scotland*

**Zerto****13:30 - 14:30 Springboard your Journey to the Cloud: How you can use cloud technology to drive revenue, foster innovation, and improve resident services**

In its recently published guidance, the Scottish Government listed nine key benefits that public sector organisations can access through cloud services.

In this session we will take a closer look at how cloud technology can help the public sector foster innovation, improve service delivery and make better use of limited resources.

**Damon Crawford**, *Cloud Platform Practice Director, Six Degrees*

**Blair Lochrie**, *Microsoft Scotland Public Sector CTO*

**David Gammie**, *Chief Officer - Digital & Technology, Aberdeen City Council*

**15:30 - 16:15 Conference Close**

The final session will feature analysis of key lessons learnt from previous conference sessions, via a discussion between our conference chair and a panel of public sector cloud experts.

**Ross Lyon**, *Transformation Manager - Cloud 1st, Scottish Government*

**Lisa Pittman**, *Senior Portfolio Specialist - ICT Networks, Scottish Government*

**Samuel Smart**, *Lead Cloud Architect, Scottish Government*

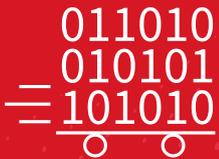
# Zerto

One Platform for  
IT Resilience



## Continuous DR & Backup

No downtime, no data loss



## Workload Mobility

Move with ease and without risk



## Multi-Cloud, Hybrid Cloud

Leverage cloud to accelerate business



**In addition to our exciting live agenda,** we will also be bringing you a selection of on-demand content featuring real-life case studies of organisations that have successfully implemented a transition to cloud services.

These pre-recorded case studies will be available to view throughout the conference at the time that suits. Just head over to the On-Demand Sessions tab on the website to access.

Want to learn more about the case studies featured in our on-demand sessions? You'll be able to submit questions to our case study presenters who will answer at a pre-arranged time slot during the conference. We'll be finalising these time slots shortly so keep an eye on the event website for the latest details.

## Implementing a Cloud Navigator Approach

The first of our on-demand case study sessions will put the spotlight on Aberdeen City Council, and examine the practical challenges to the recent implementation of its Cloud Navigator programme, as well as the benefits unlocked by the transition.

**David Gammie,** *Chief Officer - Digital & Technology, Aberdeen City Council*

## Beyond Cloud First

Our second on-demand case study session will examine the experience of Kingdom Housing Association, who have gone beyond a Cloud First approach and instituted a Cloud Only digital strategy.

**Gary Haldane,** *Head of Digital, Kingdom Housing Association*





**ANJANESH BABU**, *Systems Architect and Network Manager in the Gardens and Museums IT Team, University of Oxford*

Anjanesh has introduced the first ever Public Cloud Framework at Oxford University and has provided technical leadership for transformative projects including the Digital Estate upgrade, Museums Online Collections Pilot Collections Management Systems and Digital Asset Management Systems.

A cloud evangelist, passionate technology advocate and enabler for strategic change, Anjanesh is presently exploring how machine learning, AI and big data analytics can be a natural fit within the Heritage sector.

His professional focus remains on looking at how technology can be innovative yet invisible while ensuring accessibility, inclusivity and sustainability remain at the core of Digital Aspirations

Anjanesh has an M.Sc. in Software Engineering from the University of Greenwich and an MBA from the Manipal Institute of Technology with a bachelor's degree in Zoology from the Mahatma Gandhi University.



**STUART BROWN**, *Senior Portfolio Specialist, Scottish Government*

I have over 10 years public sector procurement having worked over multiple commodities and specialist eCommerce related roles. I am currently a Senior Procurement Specialist within the ICT Services team at Scottish Procurement managing Category A frameworks including Cloud Services and Software Value Added Reseller Agreement. I was part of the procurement team that delivered the very first Digital Services Dynamic Purchasing System in Scotland. I have a wealth of experience in public contracts both in an operational and policy environment having lead many projects throughout my career. Outside of work life I volunteer for the Stirling Childrens Panel Scotland having done so for the last 11 years.



**MARCUS CHEETHAM**, *Project Manager, University of Oxford*

Marcus Cheetham is a project manager at the University of Oxford working on a digital transformation programme for their Gardens, Libraries and Museums division. He currently leads the rollout of collections management and digital asset management systems for the four university museums, and the development of 'collections online' which is the subject of his talk. Before joining the University, he worked in several IT positions in various publishing organisations.



**DAMON CRAWFORD**, *Cloud Platform Practice Director, Six Degrees*

Damon Crawford joined Six Degrees in January 2019 as Azure Practice Director. Damon has over 20 years' experience in the Cloud and service provider industry. Damon has broad experience in helping service providers deliver market leading technology and services that help customers successfully transform and grow their own businesses.

**GARY HALDANE**, *Head of Digital, Kingdom Housing Association*

Gary graduated from Napier University in 2015 with a Master's degree in ICT Strategic Leadership. Gary is responsible for Kingdom Housing's Digital Strategy, which focuses on cloud and mobile solutions. This includes transitioning Kingdom from VMware to Google Cloud Platform, Microsoft Office to G-Suite, and other leading cloud solutions. Gary also ensures employees are provided with quick and secure systems to enhance the customer journey.

**PETER JACKSON**, *Business Architect, CirrusHQ*

Pete is the Business Architect at CirrusHQ, his role involves developing our strategic relationships with our key partners, as well as working with our strategic customers to enable them to identify ways to leverage more from the AWS Cloud. Pete previously worked at Oxford University Press as a Solution Architect where he led the central AWS architecture and operations community. Outside of work, Pete enjoys meeting friends and playing board games, enjoys following cricket, and getting away at weekends.

**PHIL LE-BRUN**, *Director of Enterprise Strategy and Evangelism, Amazon Web Services*

Phil joined AWS as a Director of Enterprise Strategy and Evangelism in September 2019. In this role, Phil works with enterprise executives to share experiences and strategies for how the cloud can help them increase speed and agility while devoting more of their time to their customers. Phil regularly speaks on topics ranging from technology and transformation strategies through to leadership and organisational design, and writes frequently on the AWS Enterprise Blog.

Prior to joining AWS, Phil held senior technology positions in McDonald's Corporation including VP for Global Technology Development and International Chief Information Officer. In these and prior roles Phil led and co-led multiple large scale initiatives to transform McDonald's into a modern technology-enabled company. These included the development and deployment of the in-restaurant technology platform to over 37,000 restaurants to process 70 million transactions daily, one of the fastest retail deployments of eCommerce, the technology implementation for a multi-billion dollar delivery business, and the development and deployment of a contemporary customer experience platform. Many of these initiatives run on the AWS platform. Phil's experience and tenure in McDonald's spanned a number of domains including architecture, development, deployment, support, data, supply chain, digital commerce and CRM, innovation including AI and IoT, and organisational development.

Phil has previously been recognised as one of the top 100 UK-based CIOs. He also holds a BEng in Electronic and Electrical Engineering, Masters of Business Administration, and an MSc in Systems Thinking in Practice. He is a Chartered Manager, Chartered Member of the British Computer Society, and a member of the Institute of Engineering and Technology, and the Institute of Directors. Phil is still a geek at heart with multiple AWS certifications, a solder iron, infrequent Python coding, and is back at school studying data science and technology innovation

**NIA LEWIS**, *Cloud Services Manager, Scottish Government*

Nia is an experienced leader of digital transformation who has helped the Scottish public sector deliver services that are more efficient to run and meet the raised expectations of today's customers. She now helps organisations transition to working in the cloud.

Before that Nia spent 14 years working in both the Welsh and English public sector delivering policy improvements, community development, digital connectivity and business transformation.

**BLAIR LOCHRIE**, *Microsoft Scotland Public Sector CTO*

Blair Lochrie is Microsoft Scotland's Public Sector CTO, responsible for driving technology strategy across the Microsoft's Public Cloud. Previously, Blair worked for Microsoft Services across Scotland's Financial Industry, helping drive adoption of Office 365, Azure & Dynamics 365. Prior to Microsoft, Blair held a number of roles within BT following graduating from their Modern Apprenticeship Programme – as a result, he is a fierce advocate of early in career programmes and continuous education.

**ROSS LYON**, *Transformation Manager, Cloud 1st Programme, Scottish Government*

Ross started his career with the Scottish Government in 2000, initially in Agriculture, moving to Digital Communications in 2007 working on the intranet and website, latterly as Website Manager for gov.scot. Ross moved to Digital Directorate on the Scottish Government Cloud 1st Programme as Transformation Manager in March 2018. The Cloud 1st Programme's main aim is to promote cloud & support public organisations to move to the cloud.

**DR. KEITH NICHOLSON**, *Chair, Cyber Security Scotland*

A recognised, multiple-award-winning expert in cyber security, Keith was a contributing author to the Scottish Government Cyber Resilience Strategy, authored the 2018 NHS Scotland Information Security Policy Framework and the created the Cyber Resilience Framework adopted by the Scottish Government and issued to every public body in Scotland.

Keith is an independent cyber security and technology advisor with a range of clients that have included FTSE 250 companies; SMEs and several public bodies including NHS Scotland and the Scottish Government. He is the founder and Executive Chair of Cyber Security Scotland; a non-profit independent advisory body offering specialist cyber security audit, assurance and risk guidance. He is a member of the National Cyber Resilience Advisory Board, won 4 business awards in 2019 and in 2020 has had his expertise recognised by the Institute of Directors Awards, Scottish Rural Awards, EY Entrepreneur of the Year Awards and the Digital Technology Leaders Awards.

**DERYCK MITCHELSON**, *Director of National Digital and Information Security, NHS National Services for Scotland*

Deryck is responsible for the National Services for Scotland's Digital and Security Strategy and for the delivery of several large-scale National digital transformation programmes across the NHS such as Office 365 implementation. Deryck joined NSS in August 2018 and is implementing his strategy across 3 themes; National Security Operations, Secure Multi-Tenant Public Cloud and Data Analytics. Deryck brings a wealth of experience to the role having worked previously at Wood Mackenzie, Brightsolid and DC Thomson.

**MICHAEL MURPHY**, *Sales Manager, Scotland and Ireland, Zerto*

Michael Murphy leads Zerto's Business in Scotland. In his time at Zerto he has helped organisations accelerate their Digital Transformation programs by simplifying IT operations and de risk planned changes. Michael has a technical background but has spent much time working with business leaders and translating identified 'business requirements' into resilient technical solutions. Michael has worked in the technology market for 16 years across a diverse range of industries and geographies. His career started in London working in the Datacentre and virtualisation space back in the mid noughties. He later worked in Africa where he spent 4 years working in the Service Management field. In that time, he helped telco and banking organisations transform service delivery and advance financial inclusion.

**LISA PITTMAN**, *Senior Portfolio Specialist - ICT Networks, Scottish Government*

I started my career in procurement over 15 years ago within the Ministry of Defence. This involved procuring a huge variety of requirements from low value contracts through to various niche, high profile and mainstream contracts and I have a breadth of procurement experience placing and managing contracts and frameworks across the public sector.

In 2016, I joined Scottish Government within their Collaborative Procurement - Corporate and Professional Services Team overseeing various services and frameworks. Latterly , I took up post within the Scottish Procurement ICT Team in Jan 2020 in the Networks Team before moving to the ICT Services Team in June 2020 overseeing the Scottish Government Cloud Services Framework and supporting wider Scottish Procurement needs.

**SAMUEL SMART**, *Lead Cloud Architect, Cloud First Programme, Scottish Government*

Samuel Smart is a Lead Cloud Architect for Leidos UK, a strategic partner of the Scottish Government. He is currently embedded within the Scottish Government's Cloud First Team, where he is helping the programme to support public sector organisations to realise the benefits of public cloud services.

Samuel has worked in a range of IT-focused roles over the past 16 years across both public and private sectors. He has deep experience and expertise in business relationship management, managed services, capital IT and infrastructure projects, and public cloud programmes. Samuel's people-focused approach and wide-ranging business experience - in addition to his strong technical background - allow him to identify and solve whole-of-business challenges.

**MUHIL VANNAN**, *Technical Lead, CirrusHQ*

Muhil is Technical Lead at CirrusHQ and has been part of the team for 5 years. He is a Cloud enthusiast, a DevOps advocate and is passionate about enterprise architecture and software design. His role at CirrusHQ helps define our technology strategy and approach and also provides our customers with deep insights into the AWS platform and services. In the rare moments when Muhil is not thinking about AWS, he enjoys walking his dog Timba and spending time developing his Field Archery Skills.

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# Cloud Services

*in the public sector*

