

Tuesday	Track A : Fundamentals
Intro to training day (8:30 to 8:45) Darcy Elliott	
Introduction to CA Gen Concepts and Tools (8:45 to 10:00 Educagen)	<p>This presentation will give an introduction to CA Gen concepts and tools and the way it is used in application development.</p> <p>On completion of this presentation the attendee will understand the main concepts, some techniques and diagrams of CA Gen. Such as: What is CA Gen and how is it used? Concepts of CA Gen : Data Modeling, Database design and generation, Procedures and Views, Windows and Action Diagrams- Generation of an application CA Gen - CA Gen Encyclopedia</p>
Break (10:00 to 10:15)	
Hands on Workshop: Basic CA Gen Skills (10:15 to 11:30 Educagen)	<p>On completion of this workshop the student will have developed some diagrams and a part of a basic application. They will have experienced how comfortable it is to attend training in a virtual class.</p> <p>This Hands on session will cover the following concepts:</p> <ul style="list-style-type: none"> - Data Modeling in CA Gen - Transformation of the Data Model - Generation of a test database - Design and generation of a basic application - Test of an application (developer test) - Procedures and action diagrams - Views - Reading the database
Lunch (11:30 to 12:30)	
Doc Ops (12:30 to 13:45 CA Technologies)	<p>Those rascally rabbits in CA Information Engineering are at it again! What's up doc(ops), you ask? DocOps is changing, and changing fast. Why? Because you asked for it! Join Casie Oxford, Manager of Info Engineering in Plano, and John Baker, Media Developer to talk about what's new, what's coming, and to share your feedback and ideas for making your documentation help you.</p>
Break (13:45 to 14:00)	
Component Based Development - Concepts and Tool Basics (14:00 to 15:15 Educagen)	<p>The objective of the presentation is to make the attendee familiar with development according the principles of Component Based Development (CBD), specification, implementation and use of components.</p> <p>Contents - What are components in CA Gen</p> <ul style="list-style-type: none"> - Definition of components - Specification of components - Implementation of components - Mapper action diagrams - Application assembly - Publishing components
Break (15:15 to 15:30)	
Model Management and Encyclopedia Administration (15:30 to 16:45)	<p>The objective of this presentation is to make the attendee familiar with the responsibilities and activities of model management such as:</p> <ul style="list-style-type: none"> - Definition and control of subsets - Up and download of models - Model user types - Version control: common ancestry - Migration - Adoption



Tuesday	Track B : Advanced Concepts
Intro to training day (8:30 to 8:45)	
CA Gen Web Services for Distributed platforms (8:45 to 10:00 Facet Consulting)	Come along and learn how to “mine” your existing application and expose back-end functions as API's that can be used and re-used by other applications, technologies, platforms and organization. This Web Service capability provides powerful integration options for your organization and aligns with the widely adopted industry direction of utilizing Web Services for integration, and with it, Microservices.
Break (10:00 to 10:15)	
Hands-on: CA Gen Web Services for the Mainframe (10:15 to 11:30 Response Systems)	Come along and learn how to “mine” your existing mainframe Ca Gen application and expose back-end functions as API's that can be used and re-used by other applications, technologies, platforms and organization. This Web Service capability provides powerful integration options for your organization and aligns with the widely adopted industry direction of utilizing Web Services for integration, and with it, Microservices. This session will cover : Web Services and Microservices Architecture – what are they, and why do they matter? Customer examples who've used Web Services in CICS to re-use existing mainframe 3720 and back-end capability Creating a CICS Web Service with CA Gen and Web Services GENius [Hands on] Exposing your CICS Web Services as an API [Hands on] Using and testing your new service [Hands on]
Lunch (11:30 to 12:30)	
Introduction to Studio Developer (12:30 to 13:45 IET)	This session will provide an introduction and demonstration of Studio Developer, a brand-new replacement for the CA Gen toolset with a new set of tools based on Gen Studio and Eclipse. The key objectives of Studio Developer are to: Make CA Gen easier to learn & use, especially for new developers Improve developer satisfaction and productivity Provide a foundation for further enhancements to CA Gen Studio Developer focusses on a core set of tools that are simplified and streamlined to suit the purpose of application development. Key new features include a keyboard driven action diagrammer, an all-new UI Designer and a powerful Model Explorer that provides easy access to objects in the model.
Break (13:45 to 14:00)	
Studio Developer Hands on Part A (14:00 to 15:15 IET)	This pre-conference session will allow you to have hands-on use of the new Studio Developer toolset. Bring along your own laptop and models and try out Studio Developer yourself. Feedback on functionality and ease of use will be welcomed, especially any ideas that you may have for enhancements, so help influence the direction of this exciting new product.
Break (15:15 to 15:30)	
Studio Developer Hands on Part B (15:30 to 16:45)	This pre-conference session will allow you to have hands-on use of the new Studio Developer toolset. Bring along your own laptop and models and try out Studio Developer yourself. Feedback on functionality and ease of use will be welcomed, especially any ideas that you may have for enhancements, so help influence the direction of this exciting new product.



Keynote - Modern Software Factory (8:30 to 9:15 CA Technologies)	
Break (9:15 to 9:30)	
CA Gen in the Modern Software Factory (9:30 to 10:30 Christian Kersters)	<p>It's possible to be agile with CA Gen, it's possible to do DevOps with CA Gen, it's possible to build SaaS and microservices with CA Gen, it's possible to run CA Gen microservices in Docker, ... All this (and much more) is possible with CA Gen and this presentation will demonstrate it.</p> <p>This cannot be done out-of-the-box however, and a few infrastructure enhancements are needed to empower CA Gen to play its full role in hybrid modern application architectures.</p> <p>The presentation will show and explain the following:</p> <ul style="list-style-type: none"> Resources-Oriented Architectures (ROA) with CA Gen Component-Based Microservices (CBMs) in CA Gen CBMs integration in CA Gen and external applications CA Gen developments in DevOps workflows
Break (10:30 to 10:45)	
Creating and Calling Web Services Using CA Gen (10:45 to 11:45 Stacy Pickett)	<p>Ohio Bureau of Workers Compensation has a large, complex Enterprise Architecture application developed over 20 years. This presentation will discuss how BWC has used CA Gen and CANAM's SOA Composer to successfully create and call web services from both online and mainframe batch procedures.</p>
Lunch (11:45 to 12:45)	
CA Gen Modernization Simplified through Automation (12:45 to 11:45 Kevin Tate)	<p>When modernising or upgrading any CA Gen system, it is vital that the investment in that system is not lost – but exploited. Some of the world's largest insightful organisations are realising the benefits of using automation to accelerate and simplify major modernisation projects. This leads to a reduction in costs and the ability to carry out tasks more consistently – all while harvesting the existing knowledge and functionality within that system. Typical examples include a re-platforming, Functional Isolation, application re-architecture (e.g. from Blockmode to client/server application style), from GUI to Web, a service oriented re-architecture, healthcheck or upgrade. The session will show how CA Gen development teams can intelligently match customer demand more quickly and accurately by using automation rather than manual methods.</p>
Break (13:45 to 14:00)	
Ca Gen Replatforming (14:00 to 15:00 Facet Consulting)	<p>One of CA Gen's strategic strengths has always been the diversity of the platforms, environments and databases that it has supported; customers are now leveraging this cross-platform generation capability to move their applications to different platforms that better align with their organisations strategic IT goals. Come along and hear about several different customer journeys where CA Gen has enabled great success.</p> <p>Hear about the challenges that each customer faced and resolved, and their key take-aways from the successful delivery that could help frame your own understanding of options, risks and possibilities</p>
Break (15:00 to 15:15)	
25 years in Gen, why it is still important (15:15 to 16:15 David Rothschild)	<p>Reviewing the last 25 years, try to understand what worked and what didn't. With these lessons learned, where do we go from here.</p>
Edge User group (16:15 to 17:30 Edge)	<p>How Does Edge Work? What does the board of Edge do? Come to this open user group meeting and find out what we are all about and how you can help.</p>
EDGE Event night! (18:00)	<p>Dinner, Discussion, networking</p>



A Product Owners Perspective (8:30 to 9:15 CA Technologies)	Rob Thompson, Product owner
Break (9:15 to 9:30)	
Using CA Gen to Design and Develop Fully Normalized Enterprise Architecture Applications – Part A (9:30 to 10:30 Douglas Erikson, Stacy Pickett)	The Ohio Bureau of Workers Compensation has a large, complex Enterprise Architecture application developed over 20 years. This presentation will discuss how BWC has used CA Gen to successfully design and implement a highly normalized data model and develop applications which stand the test of time and span multiple technical architectures.
Break (10:30 to 10:45)	
Using CA Gen to Design and Develop Fully Normalized Enterprise Architecture Applications – Part B (10:45 to 11:45 Douglas Erikson, Stacy Pickett)	The Ohio Bureau of Workers Compensation has a large, complex Enterprise Architecture application developed over 20 years. This presentation will discuss how BWC has used CA Gen to successfully design and implement a highly normalized data model and develop applications which stand the test of time and span multiple technical architectures.
Lunch (11:45 to 12:45)	
CA Gen Roadmap Session - Where we are going! (12:45 to 11:45 Chirag Dave)	Chirag Dave the Ca Gen Product manager will discuss the direction and plan for CA gen in the next few years.
Break (13:45 to 14:00)	
Building multi-platform applications with CA Gen and Rapide (14:00 to 15:00 Darius Panahy)	This session will provide an introduction to Rapide and include a case study on a recent customer project that converted a block-mode 3270 application to the web using Rapide's automated block mode conversion utilities. Rapide is a product from IET for creating multi-platform applications targeting web browser, mobile and desktop. To help you protect and reuse your investment in CA Gen models and development resources, Rapide has been designed to work with your existing models and uses standard CA Gen development principles and skills, for example action diagramming and user interface design.
Break (15:00 to 15:15)	
Responsive Web applications with CA Gen (15:15 to 16:30 Thomas Vitek and Herbert Binder)	Building on the openness and unique model-based approach of CA Gen, and using their deep knowledge of CA Gen and modern Web technologies, the Austrian Department of Defense has decided to invest a small fraction of their past investment in the development of a Web generator and supporting runtime, with the assistance of CA Services. This presentation will summarize the challenges the Department of Defense is facing, review the rationale behind the decision to build their own generator. It will describe the single-page application approach they've chosen to implement, its distinctive features of and the reasons why it has been considered the most suitable. After a review of the final application and generator architectures and the challenges faced, the presentation will terminate with lessons learnt from such unique project.
IET Product Update and User Group (16:30 to 17:30)	This session will provide an introduction and update on IET's extensive range of complementary products for CA Gen including GuardIE for configuration management, VerifiEr for QA checking and pathvIEW for code coverage testing. There will be an open Q&A session and an opportunity to hear about IET's product roadmap.
CA Night on the Patio (17:30)	

