

# June 5<sup>th</sup> – June 8<sup>th</sup> 2018 Plano Texas

Hosted by:

Technical Exchange Attendee Guide

#### Hello!

Time sure seems to fly. It's hard to believe that it has been six years since the last Edge user event took place in the United States. A lot of things have changed since then, but when you are dealing in technology the only thing that is ever constant is change.

Machine learning, Application Modernization, Blockchains, Cloud Computing are just some of the buzzwords that have bubbled to the forefront of our "tech" conversations. These "disruptors" of the status quo have changed our mindset.

Now we constantly think about how we can leverage the significant investment we have made in our systems of record, How we can redeploy existing assets, and quickly develop new assets tied to our existing framework.

Our goal with this event, is to equip you with new ideas, new skills, new tools, and new passion to see what you can do, to see what can be achieved by systems developed in Gen.

For the first time, we are offering a pre conference education day in which we offer training from the basics all the way thru encyclopedia management, as well giving you a chance to "Kick the Tires" on a variety of vendor tools.

Develop new ideas, gain insight from those which have already done what you are looking to do. Real users, sharing real experiences.

Interact with Rob Thompson the CA Gen product architect, Chirag Dave the CA Gen product manager. Provide suggestions for functionality you would like to see in the product.

Network with Gen users from all over the world! Our presenters offer a combined 200+ years of experience, chances are they have encountered and overcome some of the challenges your organization is currently facing.

All of us at EDGE are excited to be able to bring you the 2018 Edge Technical Exchange, we look forward to seeing you in Plano in June!

Darcy Elliott EDGE

To Register for this event use this link: <a href="http://www.cvent.com/d/ttqtvh">http://www.cvent.com/d/ttqtvh</a>

#### What is EDGE?

Tracing it's roots back to the late 1990's, Edge is the worldwide CA Gen user group formed to give CA Gen customers and partners a "Voice" in the direction of the CA Gen product, and to offer CA Gen professionals a network in which they would be able to exchange concepts, seek answers and develop new skills.

The EDGE leadership team is comprised of CA Gen customers and partners, and operates fully independent of CA Technologies. EDGE is constantly exploring opportunities to provide support to CA Gen customers and users and has held user conferences, networking opportunities and technical exchanges all over the world and in the last few years have held events in Europe and Australia.

#### Why the EDGE Technical Exchange?

If asked, CA Gen customers would say their biggest challenge with CA Gen is the inability to find experienced resources when required. If they were looking to train new resources there were no materials available to them to do so.

With that thought, EDGE has put together this Technical Exchange. Our focus is on training up new CA Gen users, as well as strengthening the foundations of more seasoned developers. Our training partners for this event are CA Gen professionals who have developed curriculum and training materials and are in the business of providing training services for CA Gen customers.

The Preconference Education day coupled with customer cases studies in Automation, Transformation and Modernization has the ability to make a big impact on CA Gen organizations, providing great value, for very little cost.

#### What's Included for the \$299 registration fee?

- Preconference Education Day offering both foundational and advanced training
- Two days of Case Studies, Concepts and Success stories by organizations who have used their investment in CA Gen to remain relevant and effective in their business activities
- Lunch on Tuesday, Wednesday, and Thursday
- EDGE networking night, including food (dinner) and activities
- A night on the patio hosted by CA, including food (dinner) and activities
- Coffee, Tea and Water during breaks.

To Register for this event use this link: <a href="http://www.cvent.com/d/ttqtvh">http://www.cvent.com/d/ttqtvh</a>

Preconference Education, Tuesday June 5<sup>th</sup>, 2018

▶ The Preconference Education/Training day : Tuesday June 5th

We asked the folks who professionally train CA Gen developers if they would be able to offer classes, with content suitable for all levels of experience. Our partners answered the call and are ready to help you with a better understanding of this unique development environment!

There are two separate "Tracks" being presented for our Education day. Track A: The Fundamentals, Track B: Advanced Concepts with a mixture of CA Gen toolset and 3<sup>rd</sup> party tools.

Preconference Education, Tuesday June 5th, 2018

- ► Track A : The Fundamentals
- Session 1 Introduction to CA Gen Concepts and Tools 8:45 to 10:00 AM

This presentation will give an introduction to CA Gen concepts and tools and the way it is used in application development. 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

The presentation is meant for those who are new to CA Gen and want to know the concepts and basic tools of CA Gen, or those who simply want to know more about the tool and it's capabilities

Presented by Educagen

Preconference Education, Tuesday June 5th, 2018

- Track A : The Fundamentals
- Session 2 Hands on Workshop: Basic CA Gen Skills in a virtual class.
   10:15 to 11:30

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.

This Hands on session will cover the following concepts

- 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

Presented by Educagen

Preconference Education, Tuesday June 5th, 2018

- Track A : The Fundamentals
- Session 3 Doc Ops .12:30 PM to 13:45

What's up, Doc?

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.

Casie will talk about recent changes, DocOps futures, and gather your feedback on the platform, the product doc, and your pet subject areas for improvements.

John will talk about CA's overall moves toward including more rich media in its documentation, the new Media Development Team within Info Engineering, demo some new videos, and he'll poll you for future topics.

Presented by CA Technologies

Preconference Education, Tuesday June 5th, 2018

- Track A : The Fundamentals
- □ Session 4 Component Based Development Concepts and Tool Basics 14:00 to 15:15.

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.

Contents - What are components in CA Gen

- Definition of components Specification of components
- Implementation of components
- Mapper action diagrams Application assembly Publishing components

Presented by Educagen

Preconference Education, Tuesday June 5<sup>th</sup>, 2018

- Track A : The Fundamentals
- □ Session 5 Model Management and Encyclopedia Administration. 3:30 to 4:45

The objective of this presentation is to make the attendee familiar with the responsibilities and activities of model management such as:

- Definition and control of subsets
- Up and download of models
- Model user types
- Version control: common ancestry
- Migration
- Adoption

Presented by Educagen

Preconference Education, Tuesday June 5th, 2018

- Track B : Advanced Concepts
- Session 1 CA Gen Web Services for Distributed platforms.8:45 to 10:00

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.

This session will cover:

Web Services and Microservices Architecture – what are they, and why do they matter? Customer examples who've used Web Services to re-use existing back-end capability Creating a Web Service with CA Gen [Hands on] Exposing your CA Gen Web Services as an API [Hands on] Using and testing your new service [Hands on]

Presented by Facet Consulting

Preconference Education, Tuesday June 5th, 2018

- Track B : Advanced Concepts
- Session 2 Hands-on: CA Gen Web Services for the Mainframe.
   10:15 to 11:30

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 backend 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]

Presented by Response Systems

Preconference Education, Tuesday June 5th, 2018

- Track B : Advanced Concepts
- □ Session 3 Introduction to Studio Developer . 12:30 to 13:45

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.

Presented by IET

Preconference Education, Tuesday June 5<sup>th</sup>, 2018

- ► Track B : Advanced Concepts
- Session 4 Studio Developer Hands on Part A.2:00 to 3:15

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.

Presented by IET

Preconference Education, Tuesday June 5<sup>th</sup>, 2018

- Track B : Advanced Concepts
- Session 5 Studio Developer Hands on Part B.
   3:30 to 4:45

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.

Presented by IET

#### Wednesday June 6<sup>th</sup>, 2018

- ▶ 8:30 9:15 Keynote : The Modern Software Factory
- ▶ 9:15 9:30 Break
- 9:30 10:30 Session 1 : CA Gen in the Modern Software Factory Christian Kersters

CA Gen has its roots in James Martin's Information Engineering waterfall methodology. It also has a unique language and integrated, model-based environment, provides technology insulation and adequate support from partners solutions. It's consequently no surprise that, still today, the CA Gen portfolio of most organizations is highly homogeneous.

The contemporary software development landscape, however, is very different, with many organizations adopting Agile, DevOps and modern development frameworks and languages in their factories.

Those different development paradigms cause major troubles to CA Gen developers and their solutions, isolating them in a silo. Not only does this situation impact the CA Gen community, it also raises strategic questions to the top management of their organizations: "What can I do with my investment in CA Gen?" "How can I build an efficient and effective framework for hybrid developments?" "Who has a global and at the same time deep understanding of both paradigms and can guide me?" "Despite costs and risks, isn't rewrite of my CA Gen code a faster and safer approach?"

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.

The presentation will show and explain the following:

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

#### Wednesday June 6th, 2018

- ▶ 10:30 10:45 Break
- ▶ 10:45 11:45 Session 2 : Creating and Calling Web Services Using CA Gen Stacy Pickett

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.

- ▶ 11:45 12:45 Lunch
- ▶ 12:45 13:45 Session 3: A Gen Modernization Simplified through Automation Kevin Tate

When modernizing 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 organizations are realizing the benefits of using automation to accelerate and simplify major modernization 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 rearchitecture (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.

▶ 13:45 – 14:00 - Break

#### Wednesday June 6<sup>th</sup>, 2018

▶ 14:00 – 15:00 - Session 4 : A Case Study in CA GEN Replatforming – Tim Dargavel

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 organizations strategic IT goals. Come along and hear about several different customer journeys where CA Gen has enabled great success.

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

- ▶ 15:00 15:15 Break
- ▶ 15:15 16:15 Session 5 : 25 years in Gen, why it is still important David Rothschild

Reviewing the last 25 years, try to understand what worked and what didn't. With these lessons learned, where do we go from here?

▶ 16:15 – 17:30 EDGE User group meeting – Edge Board

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.

▶ 18:00 – EDGE Event night!

#### Thursday June 7<sup>th</sup>, 2018

- ▶ 8:30 9:15 A Product Owners Perspective Robert Thompson
- ▶ 9:15 9:30 Break
- ▶ 9:30 10:30 Session 1 : Using CA Gen to Design and Develop Fully Normalized Enterprise Architecture Applications Pt 1 - Stacy Pickett, Douglass Erikson

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.

- ► 10:30 10:45 Break
- ▶ 10:45 11:45 Session 2 : Using CA Gen to Design and Develop Fully Normalized Enterprise Architecture Applications Pt 2 Stacy Pickett, Douglass Erikson

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.

- ► 11:45 12:45 Lunch
- ▶ 12:45 1:45 Session 3: CA Gen Roadmap Session Where we are going! Chirag Dave

Chirag Dave the Ca Gen Product manager will discuss the direction and plan for CA gen in the next few years.

#### Thursday June 7th, 2018

- ▶ 13:45 14:00 Break
- ▶ 14:00 15:00 Session 4 : Building multi-platform applications with CA Gen and Rapide 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.

- ▶ 15:00 15:15 Break
- ▶ 15:15 16:30 Session 5 : Responsive Web applications with CA Gen Thomas Vitek, 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.

▶ 16:30 to 17:30 - IET Product Update and User Group

This session will provide an introduction and update on IET's extensive range of complementary products for CA Gen including GuardIEn 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.

▶ 17:30 – CA Night on the patio.

#### User Group presentations

- Stacy Pickett Stacy is currently a Data Management and Enterprise Architecture Consultant working through ENTARCO USA, Inc. For the past 15+ years, Stacy has helped design, build, and maintain an Enterprise Architecture set of applications for the Ohio Bureau of
  - Workers Compensation. Stacy has over 30 years of experience working with CA Gen deploying systems on the Z/OS and Windows platforms.
- Douglas Erickson
  - Doug is a Zachman Certified Enterprise Architect and Senior Information Management Consultant with over thirty-five years of experience in Enterprise Architecture, strategic planning, enterprise process management, enterprise data management, information systems development, and Information Technology organizational development. Doug has been a user and advocate for the use of CA Gen as a tool of choice to develop enterprise architecture and its implementation for large, complex enterprise systems.

#### User Community presentations

- Christian Kersters Christian Kersters is Senior Services Architect at CA Technologies, and has advised and helped CA Gen customers throughout the world for the last 26 years. His expertise spans Windows, Unix, Linux and z/OS environments, covering the full CA Gen development lifecycle and tools. His main areas of focus cover DevOps, architectures and integration.
- David Rothschild David Rothschild is currently a Sr. Manager with ProCom Consulting. David has over 25 years Gen experience and has worked as a senior architect on several large Gen projects. David is also the president of CISS inc. a company known for providing component based solutions for common business functions which are written in CA Gen.

#### User Community presentations

- ► Thomas Vitek Thomas joined TI Information Engineering in Austria/Germany in 1993 as presales support for IEF. From 1997 worked self-employed as Gen consultant and CA partner. Since 2016 system architect in public administration. Thomas has 25 years of Gen experience on z/OS, Linux, Java and Windows platform and is the creator of GenML.
- Herbert Binder Herbert has experience with CAGen for over 20 years. He worked in different roles as developer, project and program manager and responsible for system maintenance of large complex enterprise systems. He is currently the head of department of personal applications of the Austrian Army and manages the project of transforming the personal applications to web technology.

#### CA Technologies presentations

- ▶ Robert Thompson CA Gen product owner 37 years of experience in Development, Data Center Management and Systems programming. 18 of those years have been with Sterling/CA Gen (except for a 3 year absence for an internal new product development project at CA). Rob has been a developer (applications and systems in multiple languages and platforms), a Systems and Data Center Manager, an Account manager, and consultant. Prior to taking the role of product owner in Gen, Robert served as the z/OS Architect for Gen.
- Chirag Dave -CA Gen Product Manager With 15+ years of experience consisting of development and product management for various Workload Automation products within CA portfolio that involves distributed and mainframe schedulers, web-based products for job flow creation, monitoring, scheduling and reporting along with modern web-based products that ensure consistent delivery of Workload Service Level Agreements by applying advanced workload analytics.

#### Vendor partners

- Darius Panahay IET Darius Panahy has worked with CA Gen for over 30 years. In 1991 he founded Information Engineering Technology (IET) to develop complementary products for CA Gen. IET is a Computer Associates Technology Partner and provides solutions for many of the leading Gen users world-wide. This has enabled IET to understand a wide variety of user requirements and approaches to Gen development methods, specialising in tools to improve the Gen development environment.
- ▶ John Gymer IET John Gymer has worked with CA Gen for nearly 30 years. In 1995 he joined Information Engineering Technology (IET) in software development and consulting roles. John has had a key role in the on-going development of IET products including Rapide and Studio Developer and recent consulting assignments related to converting legacy applications to modern web based systems using Gen and Rapide.

#### Vendor partners

- ▶ Kevin Tate Jumar Solutions
  Kevin's experience with CA Gen stretches back 26 years to 1992 with JMA Information
  Engineering. Throughout his career he has provided consultancy and project support
  to many CA Gen customers around the world. Currently Kevin is the CA Gen Portfolio
  Manager at Jumar solutions. Kevin has experience with most versions of CA Gen and
  worked on Windows, Unix and mainframe platforms. His experience extends to the use
  of automated approaches to modernize CA Gen portfolios and enable customers to
  exploit even more the power of CA Gen.
- Ton van den Broek Educagen Ton van den Broek is the founder and owner of the company Educagen, specialized in training students in standard and tailored CA Gen programs. He was one of the first strong advocates of training and online learning programs to educate CA Gen users in methodology and tools. Since 1990, he has worked as a consultant, trainer and manager, all with attention to CA Gen in Microsoft and IBM environments. After working as a European technical training director with the CA Gen manufacturer, Ton decided to offer customized programs with his newly established company Educagen in 2005. Ton has a background in Chemical Engineering and has 45 years of experience in teaching and training at various levels in Higher Education and IT. He focuses specifically on individual programs, distance learning and virtual classes tailored to clients' needs worldwide.

#### Vendor partners

- Tim Dargavel Facet Consulting Tim has over thirty years' experience in enterprise-scale applications systems, commencing in Application Development, and evolving through Project delivery roles into Application and Enterprise Architecture. He has extensive expertise with CA Gen and has accumulated over 15 years of continuous work with this product. As a founding partner and Principal Consultant for Facet, Tim has played a lead role in many of the significant consultancy and project engagements that Facet has delivered over the last fourteen years.
- Ryan Johnson Response Systems
  Ryan has over twenty years' experience in enterprise-scale applications systems across a broad range of skills and technologies, from development roles through to Project delivery roles and into Application and Enterprise Architecture. He has been involved with CA Gen for over 20 years. As a Principal Consultant within Facet, Ryan has delivered high-level consultancy advice, detailed technical assessments, and significant project deliveries to Facet customers across the globe. His work on a variety of enterprise scale applications allows him to provide insightful advice and practical solutions to the common problems faced by many customers. As Director of Product Development for Response Systems, Ryan is responsible for establishing production direction and leading commercial product development for Response Systems

# Technical Exchange location:



CA Technologies facility 5465 Legacy Drive, Plano Texas 75024

Please note the CA Technologies building and surrounding break areas are smoke free. This policy includes the use of e-cigarettes, vaping and electronic vaping devices

## Transportation to and from DFW Airport

Two things to keep in mind while planning your travel for the conference. First, there are two major airports in the Dallas area; Love Field (DAL) and Dallas-Ft. Worth International Airport (DFW). If you are planning on reserving a rental car, limo, or a Super Shuttle make sure your reservations are for the right airport.

	Super Shuttle	Taxi	Limo
Sample cost per one way	32 USD	60 USD	90 USD

- ▶ The CA facilities are relatively close and easy to get to from either airport. Distance from the DFW airport is about 30 miles, with Love field about 5 miles closer.
- ▶ Rental Cars Both airports have the normal selection of rental cars available that can be booked online. Travel from both airports require toll roads. The toll roads in the Dallas area are all electronic, if you rent a car you will receive a toll bill later in the mail once it is processed through the rental agency. Rates for cars are generally between 22 and 60 USD per day. This typically does not include the cost of insurance.

## Area Accommodations

#### CA Preferred Hotels with discounted CA rates:

All the listed above offer free shuttle service to the CA facility based on availability

Hyatt House Frisco at 2875 Parkwood Blvd	10% off rate with Code NC51647	
Hyatt Place Plano 3100 Dallas Parkway	10% off rate with Code NC51647	
Homewood Suites Plano 4705 Old Shepard Place. Must ask for the CA Rate	129 Usd Per Night	
Homewood Suites Frisco 3240 Parkwood Blvd. Must ask for the CA Rate	157 Usd Per Night	Free Breakfast

#### Other Area hotels with sample rates:

Aloft 3202 Parkwood Boulevard, Frisco, TX, 75034	139 USD per night	
NYLO - 8201 Preston Road, Plano, TX	139 USD per night	
Hilton Garden Inn Frisco 7550 Gaylord Pkwy. Frisco, TX	129 USD per night	
Homes 2 Suites by Hilton Dallas, 2000 Parkwood Blvd. Frisco, TX	129 USD per night	Free Breakfast

All rates listed are before taxes and fees. Rates listed are sample rates and may change according to occupancy level of the hotel at the time of booking.