

Inside the Government Blockchain Association (GBA)



November 2017

GBA is committed to helping individuals and organizations understand, implement, and benefit from blockchain technologies.



Table of Contents

Message from the President	1
Inside The GBA.....	2
GBA Leadership Events	2
Tools & Technology.....	2
Website Resource Directory.....	2
Process Automation.....	2
New Staff	2
New GBA Chapters! (Since May, 2017)	2
GBA Chapter Highlights	3
Canada.....	3
Japan	3
United Arab Emirates	3
United Kingdom.....	3
United States.....	4
• Denver, CO.....	4
• Washington, DC.....	4
• West Palm Beach, FL	4
• Atlanta, GA	4
• Boston, MA.....	4
• Austin, Texas.....	5
• Dallas/Fort Worth, TX	5
• Richmond, VA.....	5
• White River Junction, VT.....	5
New Working Groups!.....	5
Contract Management	5
Financial Oversight Working Group	6
Blockchain and Cryptocurrency Economic Analysis.....	6
Cybersecurity	7
Education	7
Land Titling.....	7
Government Ontology	8
Legal & Legislative	8
Healthcare.....	8
Software Product & License Management - Now Forming.....	9
Smart City - Now Forming	9
Supply Chain	9
Voting.....	9

Message from the President

2017 continues to be a wild ride for the Government Blockchain Association. Since May, 2017 the association has grown to over 30 chapters worldwide and almost 1,300 members. People and organizations all over the world are excited about blockchain. Elected officials, legislators, administrators, corporate executives, directors, managers, educators, and students are exploring this technology.



This sudden explosion of interest creates both challenges and opportunities. There is unlimited potential for new and innovative ideas, products, services, and businesses. However, rapid growth can result in chaos, dislocation, fear, uncertainty and doubt.

This is where the GBA can offer solutions. By providing a framework and communications platform, leaders in this space can connect with others in the same domain or complimentary Subject Matter Experts (SMEs). They can connect with local, state/provincial, and national leaders and administrators through chapters and working groups around the world. If you are a leader, solution seeker or want to improve your capabilities, let us know. We are here to facilitate the growth and success of the people and organizations in this ecosystem.

Enjoy the ride!
Gerard Dache
President
Government Blockchain Association
www.governmentblockchain.org



Inside the GBA

GBA Leadership Events

- GBA Leadership Conference Call, December 8, 2017. This call will be schedule at two or three times during the day so that everyone should be able to dial in to at least one of the calls. Details will be sent to the Working Group and Chapter Leaders. The purpose of this call is to collect input and feedback from the Chapter Leaders and the Working Group Leaders.
- March 2017 Government Blockchain Leadership Workshop. The tentative dates are March 9-11. The purpose of the event will be to train blockchain leaders and to plan GBA programs, training and events for 2018-2019.
- Late summer, 2018 GBA will be hosting a leadership conference in Europe. The GBA London Chapter is establishing the planning committee now.

Tools & Technology

Website Resource Directory

Remember, professional (paid) members can list information about themselves. blockchain merchants, applications & products, organizations, projects, grants, projects, jobs, contract opportunities and, publications. Just go to the "[Add Listing](#)" page on the Blockchain Resources tab on the website.

Process Automation

The GBA website design team is currently exploring several options to automate the processes of connecting people with chapters, working groups and each other.

New Staff

GBA is ramping up new staff to support the ever-growing needs of the organization. We will introduce them as they become competent in their new roles and begin to assume their new duties.

New GBA Chapters! (Since May, 2017)

- Australia (Sydney)
- [Canada \(Toronto\)](#)
- India
 - Chennai
 - New Delhi
- [Japan \(Tokyo\)](#)
- Mexico (Mexico City)
- Singapore (Singapore)
- Spain (Valladolid)
- Kuwait (Kuwait City)
- United Arab Emirates (Dubai)
- [United Kingdom \(London\)](#)



- United States
 - Los Angeles, CA
 - San Francisco, CA
 - [Denver, CO](#)
 - [Washington, D.C.](#)
 - Tampa, FL
 - West Palm Beach, FL
 - [Atlanta, GA](#)
 - Honolulu, HI
 - [Boston, MA](#)
 -
 - Charlotte, NC
 - Lincoln, NE
 - New York, NY
 - [Austin, TX](#)
 - [Dallas/Fort Worth, TX](#)
 - Houston, TX
 - San Antonio, TX
 - [Richmond, VA](#)
 - Reston, VA
 - [White River Junction, VT](#)

GBA Chapter Highlights

Canada

Congratulations to the [GBA Toronto Chapter](#) President, [Bernie Doyle](#), who has just completed certification as a blockchain developer and is progressing relationships in the Financial Sector with a Government Lobbying association which interacts with legislators regarding payday loan regulations. The chapter will be participating at Construct Canada Trade show (50,000 attendees) with the GBA Contract Management Working Group Members.

Japan

The [GBA Tokyo Chapter](#) event had representation from the Japanese National Tax Administration Agency and the Ministry of Economy. They joined in the discussion and presented the current status of e-governance adoption by the government sector.

United Arab Emirates

The [GBA Dubai Chapter](#) hosted a workshop on Blockchain & Introduction to Dubai Government Blockchain Association.

United Kingdom

The London Stock Exchange and the UK Digital Coin Association (UKDCA) are in discussions with the [GBA London Chapter](#) concerning Initial Coin Offerings (ICOs). The UKDCA will also be speaking at the next GBA-London meeting where they will provide an overview of the work they have performed with the government over the last 5 years. Also planning to attend will be



members of Her Majesty's Revenue and Customs (HMRC), a non-ministerial department of the UK Government.

The GBA London Chapter will be hosting an event called [Governments and Cryptocurrencies](#) on the campus of the Insec Business School in London on November 14, 2017 at 6:30 PM.



United States

- Denver, CO

The [GBA Denver Chapter](#) is hosting an [Introduction to Blockchain for Government](#) course November 29, 2017.

- Washington, DC

The [GBA Washington, DC Chapter](#) will be hosting an event titled "[Selling Blockchain Solutions to Government](#)" November 20, 2017. The Chapter is also sponsoring an [Introduction to Blockchain for Government](#) course of November 21, 2017.

- West Palm Beach, FL

The [GBA West Palm Beach Chapter](#) is hosting an event called [Blockchain and Artificial Intelligence](#) December 13, 2017.

- Atlanta, GA

The [GBA Atlanta Chapter](#) will host an [Intro To Blockchain for Government](#) Course on December 9, 2017.

- Boston, MA

The [GBA Boston Chapter](#) is hosting an event called "[Initial Coin Offerings: The Rise of Crypto Capitalism](#)" in partnership with the MIT Enterprise Forum on November 30, 2017. According to Autonomous Research, "Over \$1.2 billion in Cryptocurrency was raised through Initial Coin Offerings ("ICOs") in the first half of 2017, far outstripping venture capital investment into Blockchain and Bitcoin firms."





- Austin, Texas

On October 17, 2017 [Christian Craven](#), President of the [GBA Austin Chapter](#) spoke at the Hyperledger group meeting in Austin to establish synergies and cooperation between the two groups.

- Dallas/Fort Worth, TX

The [GBA DFW Chapter](#) hosted an [Intro to Blockchain](#) course and a Blockchain & Cyber Security lecture. Their next event will be a joint event between DFW GBA and Blockchain Law at UTD Blackstone Center.



- Richmond, VA

GBA welcomes [Will Middleton](#) as the new Chapter Lead for Richmond. Will is the Managing Member of Cloudy Data Systems LLC, a local tech startup focusing on public blockchain security. Prior to his current role, Will spent time in the banking industry having originally attended Virginia Tech for a Masters in Accounting and Information Systems (IS) with a focus on Financial Services. They will be meeting at GatherRVA (a local co-working space and home to many entrepreneurs in the Richmond area). The Richmond chapter will also be sponsoring an [Introduction to Blockchain Course](#) at Virginia Commonwealth University on November 20th and January 20th.

- White River Junction, VT

State Senator Alison Clarkson, and Vermont Law Professor, Oliver Goodenough participated in chapter meetings. Professor Goodenough leads the state's Impact Study, due at the end of November, 2017.

New Working Groups!

[Contract Management](#)

The Blockchain Contract Management Working Group held its first meeting with Infrastructure Ontario, a Government of Ontario crown agency. Infrastructure Ontario builds, manages, finances, and enhances the value of Ontario public assets. The purpose of the meeting was to discuss blockchain use cases related to auditability of construction project performance. The meeting highlighted the fact that the government would benefit from such a system for two reasons; it itself is audited on a regular basis by the Office of the Auditor General of Ontario and it links construction performance dataset to better understand which contractors perform and which do not and various project performance metrics. For more information or to join this working group, go to: <https://governmentblockchain.org/contract-management-working-group>



Financial Oversight Working Group

[Bernie Doyle](#) and [Bridge Craven](#) have launched a Government Blockchain Financial Oversight Working Group. They are both financial industry professionals who are actively involved with real world fintech Decentralized Application (DApp) projects. They have been joined by [Juan Llanos](#). He is an international thought leader in strategy, operational excellence and leadership in the anti-money laundering and regulatory compliance domains, and has been recognized as a pioneer in the development of compliance and risk management best practices for the money transfer industry and the emerging blockchain and Bitcoin industries. This Working Group is researching pathways to people in government and associated agencies focusing on educational opportunities. They are also performing analysis in support of a DApp the working group is planning to develop. If you are interested in learning more or joining this group please go to:

<https://governmentblockchain.org/economic-financial-oversight>

Blockchain and Cryptocurrency Economic Analysis

The Blockchain and Cryptocurrency Economic Analysis Working Group is:

- (1) Exploring foundations to partner with, and provide grants for research related to the economics of blockchain and cryptocurrency;
- (2) Studying the demonetization in India, as well as the rise of digital banking in other emerging economies, and evaluating how this affects the use and/or adoption of cryptocurrencies; and
- (3) Looking for members to conduct economic research and make this information available to government and consultancy groups. They review, analyze, and summarize current research and market trends; applying econometric analyses to economic and financial data; create presentation materials and, draft reports. The group is seeking individuals with at least a Bachelor's Degree or higher in economics, econometrics, statistics, or other related field, background in economics, finance, statistics or related fields, experience in economics and econometrics/regression analysis, ability to use statistical software, and previous relevant research experience.

To learn more about this group or to join it, please go to:

www.governmentblockchain.org/blockchain-cryptocurrency-economic-analysis



Cybersecurity

Our GBA Blockchain Cybersecurity Lead [John McCarthy](#) and GBA President, [Gerard Dache](#) presented on the topic of 'Transforming Cybersecurity' at ISACA CSX2017. This session drew a large turnout (one of the largest for the conference) – And a dynamic exchange with the audience on this disruptive technology. In the government space many practitioners are concerned about the integration of blockchain with the Federal Enterprise Architecture, FISMA, and FedRAMP compliance requirements. The cybersecurity strengths of blockchain were articulated.



[Ajay Chandhok](#), CEO of [Stratus Cyber LLC](#), presented [Blockchain & Cybersecurity](#) to the DC GBA Chapter and dove into the security attributes of the Blockchain and addressed Blockchain cybersecurity implications for Federal and commercial organizations.

Education

Intro to Blockchain for Government - The Intro to Blockchain course has been customized to be specifically relevant to government. The GSA provides 5.5 Continuous Learning Points (CLPs) are awarded to attendees of the class delivered using the GBA deck approved and taught by a GSA instructor. GBA is now licensing other instructors around the world to teach this class and this course is now being offered globally.

Intro to Blockchain Development - The Blockchain Academy is developing an Introduction to Blockchain Development course. We are also in dialog with the Department of Labor and looking for additional resources to help Veterans receive blockchain related job training and skills. This course and additional information will be on the GBA events page soon.

Strategic Leadership Series - The GBA is developing a class to help senior leaders manage institutions and technology transformations during major disruptive paradigm shifts.

The Education Working Group is also exploring using **Smart Contracts** for the scheduling, registration, payment, delivery, certification and feedback collection process. More details to follow as the pilot matures.

Land Titling

GBA is happy to announce that [John Dean Markunas](#) has agreed to lead the Land Titling Working Group. John is a real estate industry consultant with a focus on Latin America. He has expertise in title insurance and blockchain technologies related to the real estate industry. His goal is to introduce blockchain to revolutionize the real estate industry. His



immediate goal is to staff and structure the Land Titling Working Group with interested volunteers from the private and public sectors who share his overall goal. The group will help develop a communication platform and develop strategies and tactics to implement blockchain technologies in the recordation of deeds and titles and related issue within land registry systems throughout the world. If you are interested in joining this group please go to: www.governmentblockchain.org/join-working-group

Government Ontology

Work is underway to update and restructure our ontology of blockchain use-cases within government - at all levels. From appropriations to zero-knowledge we are reviewing government agencies, the "[Federal Register](#)" and other sources to ensure full coverage and to provide a structure for classifying and locating solutions.

Legal & Legislative

Members of the Legal & Legislative Working Group met with senior staff members from the Information Technology Subcommittee of the Oversight & Government Reform Committee. The purpose of the meeting was to educate the staff on the emerging benefits and risks of blockchain technology along with the potential impact on government institutions. The staff continues to collect information to help committee members stay current on rapidly developing new technologies to support responsible oversight of government activities. The Working Group is also coordinating with other legislators and organizations to draft blockchain related resolutions.

The group is continuing to seek experts to help bring order, in the form of Blockchain solutions, from the chaos that is codified law and regulations as properly understood in the context of interpreted court opinions and rulings. For more information about this group, please go to: <https://governmentblockchain.org/legislative-and-legal>

Healthcare

The GBA and the FDA are exploring [Blockchain Solutions](#) to establish a capability to monitor and assess medical countermeasures (MCMs) that may be dispensed or administered in the event of a public health emergency. Members of GBA will be speaking at these events:

- GBA members, Brooke Casselberry and potentially other GBA members will be speaking at a Drug Information Association (DIA) event, the Regulatory Submissions, Information, and Document Management Forum. The DIA is a global forum for professionals involved in health care product development and lifecycle management to exchange knowledge and collaborate.
- [Dr. Johnny Nobles](#) will be speaking at the conference, Blockchain in Healthcare in Boston, MA on November 16, 2017. The conference will cover a wide range of topics including; using blockchain to transform patient experience, blockchain for electronic medical records, and



blockchain in combination with other technologies such as artificial intelligence, Big Data, and Machine learning.

For more information about this working group, please go to:

<https://www.governmentblockchain.org/healthcare-working-group>

Software Product & License Management - Now Forming

The Software Licensing Working Group is exploring applications of blockchain technology to facilitate use of standard Software ID Tags (SWIDs) to manage the disposition of end-user software products and licenses. The GBA working group is exploring specific use cases and develop models, reference architectures, and other artifacts that will be of value to this community that should be of interest to the U.S. General Services Administration and other agency and vendor stakeholders. For more information or to join this working group, please go to: <http://governmentblockchain.org/software-product...cence-management>

Smart City - Now Forming

This Working Group is examining how blockchain technology can be used by autonomous city management systems to collect data and supply information used to manage public assets and resources more effectively. This includes data collected from citizens, devices, and assets that is processed and analyzed to monitor and manage traffic and transportation systems, power plants, water supply networks, waste management, law enforcement, information systems, schools, libraries, hospitals, and other community services. The smart city concept integrates information and communication technology (ICT), and various physical devices connected to the network (the Internet of things or IoT) to optimize the efficiency of city operations and services and connect to citizens. Smart city technology allows city officials to interact directly with both community and city infrastructure and to monitor what is happening in the city and how the city is evolving. To learn more about this working group please go to:

<https://governmentblockchain.org/smart-city-working-group>

Supply Chain

GBA welcomes Tony Padilla to lead the working group. The group is currently working on developing white papers related to emergency relief aid, additive manufacturing, international medical supply chains, and distributed ledger transaction security technologies. You can read their published work at <https://governmentblockchain.org/tag/supplychain> and to learn more about this group or to join them, please go to <http://governmentblockchain.org/supply-chain-working-group>

Voting

The GBA has just launched the Voting Working Group. It Identifies, studies, and develops informative materials such as white papers, presentations, articles, and other work products



Inside the Government Blockchain Association November 2017

requested by GBA members to improve the body of technologies, processes, and practices to Improve the integrity and efficiency of voting systems. For more information, please go to: <https://governmentblockchain.org/voting-working-group>

The bottom line is, we are using blockchain technology to create real world solutions, and we would love to have you on our team. We would like to encourage you to join the GBA as a professional or commercial company and Join a Working Group or a Local Chapter.

If we can do anything to support you or your mission, please let us know.

Gerard Dache, President
Government Blockchain Association
gerard.dach@governmentblockchain.org