



POWER GRID RESILIENCE

MARCH 26 - 28, 2018 · CHICAGO, IL

**DETECTION, DETERRENCE,
AWARENESS & RESPONSE:**

*A Mission To Create A
Resilient Power System*



POWER GRID RESILIENCE

Power Community Leaders,

Welcome to the **7th Power Grid Resilience Conference (PGR18)** being hosted in Chicago
March 26-28, 2018!

With the rapid automation of physical security, connectivity throughout the power grid, high level cyber threats, natural disasters and extreme weather, we are seeing rapid changes in how the power community is approaching security, resilience, and recovery of power grid systems.

The PGR18 is providing a dynamic platform that is bringing together utility leaders to discuss emerging threats and strategies, and give the community insight into ways to scale up security and resilience to respond to increasingly complex threats.

This year we are adding a new and exciting component: **Two Tracks** – one for **physical security and asset management professionals**, and **one for cyber/information security professionals**. In these sessions you will be able to dig more deeply into challenges facing your specific community through presentations and **closed-door, utility-only meetings**.

Sign up today for the only conference in the world exclusively for physical and cyber security, emergency response, and compliance leaders!

Best regards,



Mary C. Doswell
Retired Senior Vice President at Dominion Resources, Inc.
Current Energy Sector Consultant



FEATURED HIGHLIGHTS



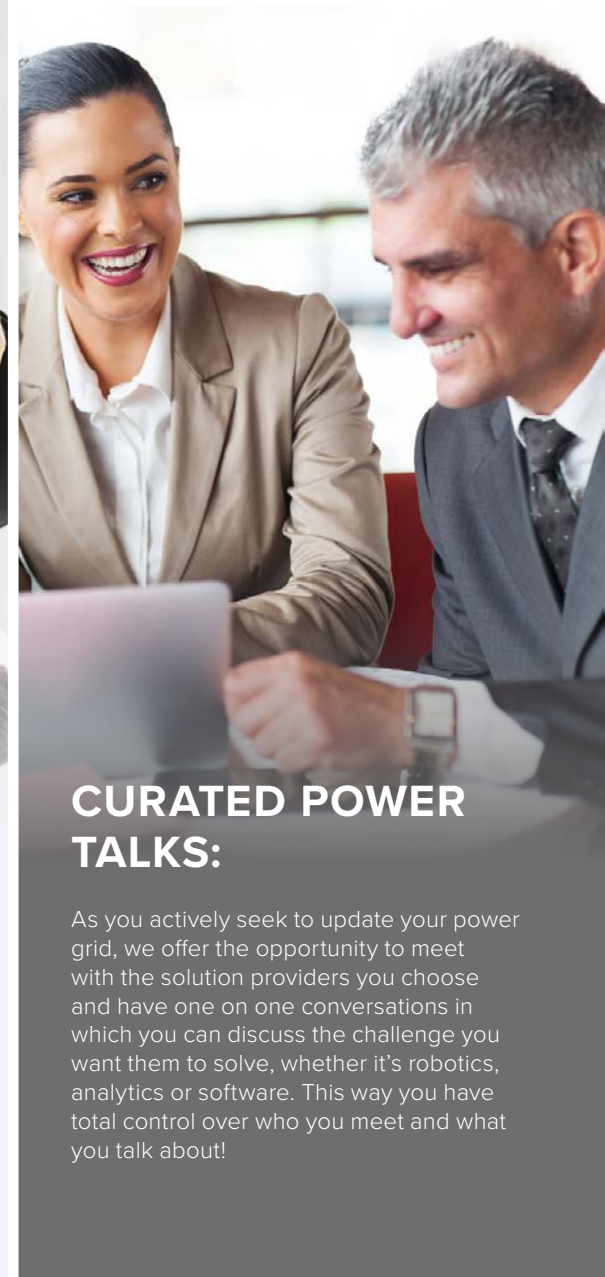
PGRC18 MASTER CLASSES:

The PGRC18 Master Classes will feature leading experts in physical and cyber security who have developed peer to peer, interactive discussions and planning in which you will be able to test ideas with other leaders in the power community facing similar challenges as your team. You will have an opportunity to participate in workshops where you would participate in scenario based learning and develop strategic response plans.



CLOSED-DOOR UTILITY MEETINGS:

The 7th Power Grid Resilience Conference will provide you the opportunity to meet face to face with other leaders in physical security, and IT and cyber security in exclusive, closed door sessions. There you can have open discussions about current and emerging security issues that are of key concern to your utility, and learn about potential responses and recovery strategies employed by your peers at other companies.



CURATED POWER TALKS:

As you actively seek to update your power grid, we offer the opportunity to meet with the solution providers you choose and have one on one conversations in which you can discuss the challenge you want them to solve, whether it's robotics, analytics or software. This way you have total control over who you meet and what you talk about!

Come to the **only conference in the world** exclusively for physical and cyber security, emergency response, and compliance leaders!

HIGH-LEVEL

PEER-TO-PEER LEARNING

between leading security, emergency response, and compliance leaders from utilities like: Hawaiian Electric, Southern California Electric, Pacific Gas & Electric, Florida Power & Light

NETWORKING

with top experts in power grid and cyber security, emergency response and preparedness, business and transmission continuity

BUSINESS DEVELOPMENT & OPPORTUNITY

to collaborate with other power company security experts specific to your field of expertise and in parallel fields

KNOWLEDGE PRODUCTION

in Master Classes – walk away with the framework to respond to a new or persistent problem facing your utility

FACE TO FACE MEETINGS

with the solution provider you requested and the power grid technological solutions you choose

KEYNOTES DELIVERED BY

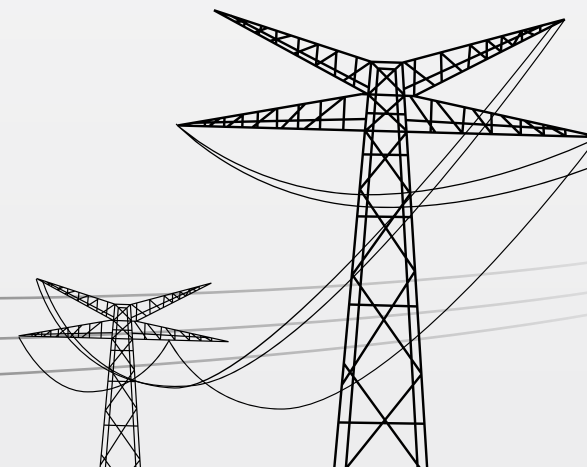


Chairman Mary C. Doswell

retired SVP

Dominion Resources

Mary Doswell is a highly accomplished senior executive leader and corporate board advisor bringing strong, diversified, operating and strategic advisement on energy utility, technology and consumer services, government-mandated regulations, as well as regulated and unregulated energy markets. She has over 30 years of diverse leadership roles with Dominion Resources, Inc., one of the nation's largest producers and transporters of energy with operations in 14 states.



MEET THE SPEAKER FACULTY



Mary Doswell
retired Senior Vice President
Dominion Energy Solutions
Dominion Resources



Michael Gonzalez
Sr. Physical Security IT Systems
Administrator
**Hawaiian Electric Company,
Inc.**



David Rolla
Director of Information Security
Architecture
**Hawaiian Electric Company,
Inc.**



James Madia
Emergency Operations Center
Manager
SCE



Yan Cameron
Conseiller Analyse Prospective –
Décentralisé à TransÉnergie
Expertise et technologies de sécurité
Direction principale – Sécurité
corporative



Randall White
Manager, Security Operations
and Asset Protection/Safety
Corporate Security
SCE



Michael Montgomery
Director of Application
Engineering
Senstar Inc



Charles Butler
CEO
The Security Oracle



Nicholas Abi-Samra
Adjunct Professor - University
of California San Diego, Senior
Technical Director – Advisian
Worley Parsons
**Electric Power & Energy Co -
Founder**



John DeSimone
Senior Infrastructure Engineer
**TDM Engineering / Physical
Security Arizona Public
Service**



Brian Harrell
Senior Fellow at the Center for
Cyber and Homeland Security,
former Operations Director of the
Electricity ISAC and Director of Critical
Infrastructure Protection Programs
NERC



Carl Herron
Principal Critical Infrastructure
Physical Security Advisor
**North American Electric
Reliability Corporation**



Larry E. Bugh
Chief Security Officer / Director,
Event Analysis/Situational
Awareness/Threat Identification
Reliability First



PRE-SUMMIT WORKSHOPS | MARCH 26, 2018

The Pre-Summit Master Classes provides an excellent opportunity for you to participate in interactive security strategy discussions and hands on work bridging your utility company's physical and cyber security systems silos; meeting challenges caused by added complexities to your security systems as you automate and add new devices; and thinking through emergency planning response across all power grid systems and in response to all types of emergencies.

09:00

REGISTRATION AND COFFEE

10:00

USING ARTIFICIAL INTELLIGENCE TO PROVIDE A MORE COMPREHENSIVE & PROACTIVE PHYSICAL SECURITY SYSTEM FOR ELECTRICAL SUBSTATIONS

- Moving from Detect, Delay Respond
- Implementing Detect, Engage & Neutralize

Charles Butler, CEO, [The Security Oracle](#)

12:00

LUNCH AND NETWORKING

13:00

DESIGNING ROBUST PARTNERSHIPS BETWEEN PHYSICAL & CYBER SECURITY TEAMS TO CLOSE SECURITY GAPS

- Bridging silos between physical and cyber security to tackled increasingly complex security issues
- Developing best practices for physical and cyber systems personnel communications
- Determining high risk areas when integrating new tech into power grid security systems

15:00

AFTERNOON TEA AND NETWORKING

15:30

MANAGING THREATS AND NATURAL DISASTERS TO THE POWER GRID IN PARTNERSHIP WITH CITY AGENCIES

- Discussing implications of a new security devices and the vulnerabilities they add to your system
- Designing the best strategy to integrate your utility's unique systems with next gen tech
- Getting 100% from automated security systems integrated into your grid

17:30

END OF PRE-SUMMIT WORKSHOP DAY



MAIN CONFERENCE DAY ONE | MARCH 27, 2018

08:00

REGISTRATION AND COFFEE

09:00

CHAIRMAN'S OPENING ADDRESS

Mary C. Doswell, retired SVP Dominion Energy Solutions, [Dominion Resources](#)

KEYNOTE ADDRESS

09:15

IDENTIFYING EMERGING THREATS TO THE GRID AND EFFECTIVE RESPONSES AFTER AN EVENT

- Identifying emerging trends in physical and cyber threats in power substations
- Working within existing operational systems to plan responses to future threats
- Determining appropriate federal programs to prepare strategies for emergency response

[Brian Harrell](#), Senior Fellow at the Center for Cyber and Homeland Security, former Operations Director of the Electricity ISAC and Director of Critical Infrastructure Protection Programs, [NERC](#)

10:00

NEW DEVELOPMENTS IN SENSOR TECHNOLOGIES FOR PROTECTING CRITICAL INFRASTRUCTURE

- Examining how new developments in sensor technologies can dramatically improve physical security while minimizing capital and operational costs.
- Comparing and evaluating technologies, and combining different technologies together (sensor fusion)
- Integrating tech solutions into a comprehensive security plan.

Speaker: [Michael Montgomery](#), Director of Application Engineering, [Senstar Inc](#)

10:45

MORNING COFFEE AND NETWORKING

Take a few minutes to recharge yourself before we jump into the next set of information packed sessions



“Shooter Detection Systems and MilCom Security have greatly benefited from attending the Power Grid Summit since it’s inception. The Summit has provided our companies a great venue to highlight the technical aspects of our gunshot detection systems which has directly lead to several contracts with some of the largest utilities in the US. We plan to attend the Summit and other IQPC events for years to come”

- Shooter Detection Systems



MAIN CONFERENCE DAY ONE | MARCH 27, 2018

PHYSICAL & CYBER SECURITY BRIDGE SESSIONS

ROUND TABLE DISCUSSIONS:

In three 45 Minute intervals, you will be able to rotate between the 3 roundtable discussions taking place. This way, you can get hands on access to information on how others may be dealing with the same challenges.

ROUND TABLE A. AUTOMATING PHYSICAL CONTROL CENTERS IN ELECTRICAL UTILITY INDUSTRIAL CONTROL SYSTEMS

- Ensuring there is systems learning capability to better assess the physical world
- Identifying the challenges of integrating automated systems in power grid substations

Mike Gonzales, Sr. Physical Security It Systems Administrator, **Hawaiian Electric**

ROUND TABLE B: INTEGRATING CYBER SECURITY CONTROL IN ELECTRICAL UTILITY INDUSTRIAL CONTROL SYSTEMS

- Preparing for next generation technologies and threats as part of automation strategy
- Tackling the vulnerabilities in an inter-reliant power grid security systems

David Rolla, Director Of Information Security Architecture, **Hawaiian Electric**

ROUND TABLE C. EMERGENCY RESPONSE PLANNING: DEVELOPING RESPONSE STRATEGIES THAT SPAN ALL GRID EMERGENCIES

- Making impacts smaller, and learning how to rally response that is fast and efficient, and shortens recovery time
- Standardizing a NIMS response program across US power utilities and transmissions companies – challenges and opportunities
- Building awareness across the power industry of the accessibility and utility of incident control centers
- Leveraging resources of larger utilities to establish best practice models for building out emergency response centers

James Madia, Emergency Operations Center Manager, **SCE**

11:15

12:00

NETWORKING LUNCH

All the morning hustle and bustle has probably made for a much- needed lunch break!
Join us for a delicious lunch and make new friends at your table.

13:00

ROUND TABLES CONTINUE



MAIN CONFERENCE DAY ONE | MARCH 27, 2018

PARALLEL TRACK BREAKOUT SESSIONS

PHYSICAL SECURITY

CYBER SECURITY

RESPONDING TO PHYSICAL THREATS AT UNMANNED SUBSTATIONS

- Ensuring the threat to the power grid is real
- Identifying who or what the threat is and how it will affect the power grid
- How do you prepare your security workforce to work with automation?

Nicholas Abi-Samra, Adjunct Professor - [University of California San Diego](#), author: Power Grid Resiliency for Adverse Conditions, Senior Technical Director – Advisian Worley Parsons, Electric Power & Energy Co - Founder

UTILITIES CYBER SECURITY TEAMS CLOSED DOOR SESSIONS

During this time frame, cyber security leaders will have a confidential space within which to hold discussions on: current security concerns and challenges, what strategies each are employing, sharing ideas of alternative or additional strategies, and looking to the future of cyber security, and how to integrate physical with cyber systems.

There will be a chairperson leading the discussion with a few prepare talking points and questions.

No sponsors will be allowed into this meeting.

14:30

15:15

AFTERNOON TEA AND NETWORKING

15:45

CURATED POWER TALKS – UTILITIES AND SOLUTIONS

Utility leaders will be matched with the solution provider(s) of their choice for one-on-one meetings to discuss the unique challenges that utility is facing and the solutions that are available. Our team will work directly with both utility leaders to help them select vendors they wish to speak with in order to determine what technology, physical and cyber, that fill gaps to fulfil their security strategy.

16:30

CHAIRMAN'S CLOSING ADDRESS

Mary C. Doswell, retired SVP Dominion Energy Solutions, [Dominion Resources](#)



MAIN CONFERENCE DAY TWO | MARCH 28, 2018

08:00

REGISTRATION AND COFFEE

09:00

CHAIRMAN'S OPENING ADDRESS

Mary C. Doswell, retired SVP Dominion Energy Solutions, [Dominion Resources](#)

KEYNOTE ADDRESS

09:15

DISCUSSING HIGH LEVEL STRATEGIES FOR THE POWER UTILITIES TO COORDINATE WITH GOVERNMENT AGENCIES AFTER AN EVENT

- What are new global cyber threats and how can you coordinate responses with DHS and DOE?
- Building out your threats assessment info sharing network
- Maximizing response and minimizing costs

[John Desimone](#), Senior Infrastructure Engineer, TDM Engineering / Physical Security, [Arizona Public Service](#)

10:00

WORKING WITH REGULATORS: GRID SECURITY NOW AND INTO THE FUTURE

- What programs do regulators have in place to help utilities mitigate future attacks or to assist with response and recovery post-attack?
- Utilities want to share security information, but how can utilities engage with regulators without fear of compliance?
- Beyond standards and compliance, what are the industry best practices for physical and cybersecurity that utilities should consider implementing to maximize response and minimize costs?
- Can the current CIP Standards mitigate emerging threats or do we need to apply additional risk management principals to utility security programs?

Moderator:

[Brian Harrell](#), Center for Cyber and Homeland Security, [The George Washington University](#)

Panelists:

[Carl Herron](#), Principal Critical Infrastructure Physical Security Advisor, [North American Electric Reliability Corporation](#)

[Larry E. Bugh](#), Chief Security Officer / Director, Event Analysis/Situational Awareness/Threat Identification, [Reliability First](#)

TBA, [FERC](#)

TBA, [Utility Representative](#)

10:45

MORNING COFFEE AND NETWORKING

Introduce yourself to someone new. You never know who you are going to meet!



MAIN CONFERENCE DAY TWO | MARCH 28, 2018

ROUND TABLE DISCUSSIONS:

In three 45 Minute intervals, you will be able to rotate between the 3 roundtable discussions taking place. This way, you can get hands on access to information on how others may be dealing with the same challenges.

ROUND TABLE A. PREPARING FOR EMERGING THREATS TO YOUR UTILITY'S PHYSICAL AND CYBER SECURITY SYSTEMS PROTECTING THE GRID

- How can utilities prepare for future physical and cyber threats?
- Outlining likely areas of increased attacks on critical power grid infrastructure
- Understanding the increasing sophistication of cyber threats and the implications to power grid security

Yan Cameron, Director Physical Security, [Hydro Quebec](#)

ROUND TABLE B: PUTTING YOUR MONEY WHERE YOUR RISK IS: RISK-BASED SECURITY PLANNING FOR POWER UTILITIES

- Introducing risks like IP or Ethernet that threaten your system's cyber security
- Managing operational constraints unique to utilities at the intersection of IT and OT
- Developing cross-functional teams to manage these unique challenges

Randall White, Manager, Security Operations and Asset Protection/Safety, [an Corporate Security SCE](#)

11:15

12:00

LUNCH

Halfway through the day. Here comes the final stretch! Be sure not to miss it.

13:00

ROUND TABLES CONTINUE

MEDIA PARTNERS:

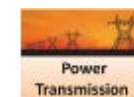


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MAIN CONFERENCE DAY TWO | MARCH 28, 2018

PARALLEL TRACK BREAKOUT SESSIONS

PHYSICAL SECURITY

CYBER SECURITY

14:30

UTILITY LEADERS CLOSED DOOR SESSIONS:

In this time period, utility companies will have a private space within which to hold confidential discussions focused on physical security, including current security concerns and challenges, what strategies each are employing, sharing ideas of alternative or additional strategies, and looking to the future of physical security.

There will be a chairperson leading the discussion with a few prepare talking points and questions.

No sponsors will be allowed into this meeting.

WHAT ARE THE FUTURE TOOLS AND STRATEGIES FOR POWER GRID SECURITY

- What is the role of robotics, AI, and machine learning in power grid protection?
- How do we prepare the workforce for high tech security?
- Identifying gaps in security with AI

15:15

AFTERNOON TEA AND NETWORKING

Whew! What a day so far! While it's not quite over yet, take a few minutes to discuss your insights with fellow attendees and swap business cards

14:30

CURATED POWER TALKS – UTILITIES AND SOLUTIONS

Utility leaders will be matched with the solution provider(s) of their choice for one-on-one meetings to discuss the unique challenges that utility is facing and the solutions that are available. Our VIP team will work directly with both utility leaders to help them select vendors they wish to speak with in order to determine what technology, physical and cyber, that fill gaps to fulfil their security strategy.

15:45

CHAIRMAN'S CLOSING ADDRESS

Mary C. Doswell, retired SVP Dominion Energy Solutions, [Dominion Resources](#)

THANK YOU TO OUR SPONSORS



The Security Oracle

The Security Oracle Inc.'s Artificial Intelligence Security Appliance is a Game-Changer for Grid Resilience Teaming with Bosch Security Systems, Inc. and Gallagher Security, The Security Oracle Inc. (TSO) promotes defense-in-depth best practices for protecting critical assets and transforms physical security from passive detection to real-time situational awareness and accelerated response to demobilize intruders with non-lethal actuators, i.e. directed high intensity sound, lights, and strobes.



Senstar Corporation

Senstar Corporation has been manufacturing, selling and supporting the world's largest portfolio of perimeter intrusion detection sensor technologies for close to 30 years. In tens of thousands of sites, in more than 80 countries, the company's products provide reliable detection of intruders as soon as they enter restricted or sensitive areas giving security forces the advance warning they need to react. Senstar's products and solutions include customized products for criminal justice facilities, but can also be found around the world in airports, borders, ports, VIP residences, military and government sites, petrochemical, industrial and commercial installations, major utilities and critical infrastructure sites.



Protech USA

Since 1980, PROTECH has been designing, manufacturing and marketing perimeter intrusion detection systems to protect personnel, property and assets at sensitive sites. We manufacture systems that give early warning of potential threats at the perimeter, for example, detecting an intruder before they are able to access a building or facility.



Cochrane USA

Cochrane USA are world leaders in the design, manufacture and supply of unique physical perimeter barriers. We continually innovate, develop and refine patented fencing systems that are defense tested and upgradable according to security risk. We offer solutions that are modular and scalable, effectively protecting a variety of critical assets according to their unique requirements. Our ClearVu Elevate system has been deployed around substations and power plants across the US as we assist the country's major power groups in meeting their CIP requirements.



ComplyTec

ComplyTec is a leading provider of business-driven security and risk management solutions to critical sectors including utilities, financial, government and healthcare. We provide software solutions and consulting services to assist organizations to establish and maintain NERC reliability standards compliance and reporting, quantify business and IT risk, and track events. We provide identity management solutions to protect against today's most consequential attack vector, identities. We also offer advanced threat detection and response solutions to detect and protect against sophisticated cyber-attacks. ComplyTec's has been in business for more than 17 years and our head office is based in Toronto Ontario Canada.

INTERESTED IN SPONSORING?

The Power Grid Resilience Conference remains the only conference that brings together power utility security and emergency response experts and leaders to discuss emerging threats combined with emergency planning and response. The 7th PGRC next March will focus on traditional physical security technologies and cyber tech, as well as analytics, robotics, and connectivity as the sector start bridging these two streams.

8 Reasons Power Grid Resilience can benefit you!

GENERATE NEW SALES LEADS

LAUNCH NEW PRODUCTS OR SERVICES

DEMONSTRATE THOUGHT LEADERSHIP

ENTER NEW MARKETS

BUILD CUSTOMER LOYALTY WITH OEM AND TIER1 BUYERS

POSITIONING YOUR COMPANY BRAND

BUILDING RELATIONS WITH THE MEDIA

BROKERING NEW BUSINESS PARTNERSHIPS

To learn more about available opportunities, contact:



Chris Ritchie

Sales Director - North America

P: 212- 885-2799

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END USERS: UTILITIES, GOVERNMENT, AND ACADEMIA	Register & Pay By March 2, 2018	Standard
2 Day Main Summit	\$1,295	\$1,495
All Access: 2 Day Main Summit + Focus Day	\$1,595	\$1,795

VENDORS, CONSULTANTS, AND SOLUTION PROVIDERS	Register & Pay By March 2, 2018	Standard
2 Day Main Summit	\$2,995	\$3,195
All Access: 2 Day Main Summit + Focus Day	\$3,395	\$3,595

TEAMWORK MAKES THE DREAM WORK

SEND	DISCOUNTS
Groups of 3	10%
Groups of 4	15%
Groups of 5 or more	20%

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Please note multiple discounts cannot be combined. A \$99 processing charge will be assessed to all registrations not accompanied by credit card payment at the time of registration.

MAKE CHECKS PAYABLE IN U.S. DOLLARS TO: IQPC

*CT residents or people employed in the state of CT must add 6.35% sales tax.

Team Discounts: For information on team discounts, please contact IQPC Customer Service at 1-800-882-8684. Only one discount may be applied per registrant.

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Payment Policy: Payment is due in full at the time of registration and includes lunches and refreshment. Your registration will not be confirmed until payment is received and may be subject to cancellation. For IQPC's Cancellation, Postponement and Substitution Policy, please visit www.iqpc.com/cancellation

Special Dietary Needs: If you have a dietary restriction, please contact Customer Service at 1-800-882-8684 to discuss your specific needs.

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