

DevSecOps and Zero Trust Architecture for Cloud Native Applications

Tetrate

MC: Dr. Michaela Iorga, Senior Security Technical Lead, NIST

NIST
National Institute of
Standards and Technology
U.S. Department of Commerce

Thursday, January 27, 2022

11:00 am EST [5]
8:00 am PST

Opening Remarks

Dr. Michaela Iorga, Senior Security Technical Lead, NIST

11:05 am EST [5]
8:05 am PST

Opening Keynote

Zack Butcher, Founding Engineer, Tetrate

11:10 am EST [25]
8:10 am PST

Keynote: Zero Trust the Hard Way

Kelsey Hightower, Principal Engineer, Google

11:35 am EST [15]
8:35 am PST

TBA

Jeyappagash (JJ) Jeyakeerthi, Co-Founder, Tetrate

11:50 am EST [25]
8:50 am PST

Transitioning to Engineering-based Cybersecurity: SP 800-160 and Applying Design Principles to Develop Trustworthy Secure Systems

Dr. Ronald Ross, Fellow, NIST

12:15 pm EST [10]
9:15 am PST

Break

12:25 pm EST [25]
9:25 am PST

External Authorization: A Deep Dive on SP 800-204B (Attribute-based Access Control for Microservices-based Applications using a Service Mesh)

Zack Butcher, Founding Engineer, Tetrate

12:50 pm EST [25]
9:50 am PST

SP 800-204C: Implementation of DevSecOps for a Microservices-based Application with Service Mesh

Dr. Ramaswamy Chandramouli, Senior Computer Scientist, NIST

1:15 pm EST [25]
10:15 am PST

Platform One: Successes with Istio, DevSecOps, and ZTA

Gabriel R. Scarberry, USAF Platform One
Christopher Rice, Senior Solutions Engineer, Tetrate

1:40 pm EST [55]
10:40 am PST

Lunch (Breakout Rooms Info TBA)

2:35 pm EST [25]
11:35 pm PST

Keynote: TBA

André Mendes, Chief Information Officer, DoC

3:00 pm EST [25]
12:00 pm PST

Continuous ATO with Open Security Controls Assessment Language (OSCAL)

Dr. Michaela Iorga, Senior Security Technical Lead, NIST

3:25 pm EST [10]
12:25 pm PST

Break

3:35 pm EST [45]
12:35 am PST

Demo: BLOSS@M (Blockchain-based Secure Software Assets Management) & NGAC for Smart Contracts

Ignasi Barrera, Founding Engineer, Tetrate

Demo: TBA

Joshua Roberts, Computer Scientist, NIST

4:20 pm EST [45]
1:20 pm PST

Panel: ZTA in Practice

Moderator: **Adam Zwickey**, Global Solutions Engineer, Tetrate

Aradhna Chetal, Head of Cloud Security, TIAA

Alex Shulman-Peleg, Managing Director, Cloud Security Practice Leader, Ernst & Young

Robert Wood, CISO, CMS, HHS

Vishwas Manral, Founder, Nanosec

5:05 pm EST [10]
2:05 pm PST

Closing Remarks

Matthew Scholl, Chief, Computer Security Division, NIST