

# Zero Trust and High Assurance for Cloud Native Applications

## 4<sup>th</sup> Annual Multi-Cloud Conference

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

NIST

DoC

Tetrade

Thursday, May 25, 2023

8:30 am EDT	<b>Coffee, light breakfast</b>
9:05 am EDT [10] 6:05 am PST	<b>Opening Remarks</b> <b>Michaela Iorga</b> , Senior Security Technical Lead, <i>NIST</i>
9:15 am EDT [15] 6:15 am PST	<b>Conference Overview</b> <b>David Ferraiolo</b> , Manager, Secure Systems and Applications Group, <i>NIST</i> <b>Zack Butcher</b> , Founding Engineer, <i>Tetrade</i>
9:30 am EDT [25] 6:30 am PST	<b>Keynote: The Impact of Open-Source Software (OSS) on Cybersecurity</b> <b>Edd Wilder-James</b> , VP Open Source, <i>Sysdig</i>
9:55 am EDT [25] 6:55 am PST	<b>Zero Trust and High Assurance Enabling Technologies</b> <b>Matt Bates</b> , CTO, <i>Venafi</i>
10:20 am EDT [25] 7:25 am PST	<b>800-207A: A Zero Trust Architecture Model for Access Control in Cloud Native Applications in Multi-Cloud Environments</b> <b>Ramaswamy Chandramouli</b> , Senior Computer Scientist, <i>NIST</i> <b>Zack Butcher</b> , Founding Engineer, <i>Tetrade</i>
10:45 am EDT [15] 7:45 am PST	<b>BREAK</b>
11:00 am EDT [25] 8:00 am PST	<b>Guiding Principles for Zero Trust in the Federal Government</b> <b>Ross Foard</b> , CISA, <i>DHS</i>
11:25 am EDT [25] 8:25 am PST	<b>A Guide to Software Supply Chain Security Assurance – Processes and Frameworks (SP 800-204D)</b> <b>Ramaswamy Chandramouli (Mouli)</b> , Senior Computer Scientist, <i>NIST</i> <b>Frederick Kautz</b> , Senior VP of Engineering, <i>TestifySec</i>
11:50 am EDT [30] 8:50 am PST	<b>Panel: Modernizing Security for a Multi-Cloud World - Lessons Learned from the Journey</b> Moderator: <b>Justin Antonipilai</b> , Founder and CEO <i>Wirewheel.io</i> and former Under Secretary for Economic Affairs, <i>DoC</i> Panelists: <b>Andres Vega</b> , VP Operations, <i>Control Plane</i> <b>Désiré Banse</b> , Sr. Cloud Security and DevOps Engineer, <i>IdeaCrew</i>
12:20 pm EDT [60] 9:20 am PST	<b>LUNCH</b>
1:20 pm EDT [25] 10:15 am PST	<b>Threat Model + Policy + SecOps = Kubernetes Assurance</b> <b>Robert Ficcaglia</b> , Chair, <i>Kubernetes Policy Workgroup</i> ; Lead Assessor, <i>CNCF Security Technical Advisory Group</i> , CTO, <i>SunStone Secure, LLC</i> .
1:45 pm EDT [25] 10:45 am PST	<b>Next-gen Authorization - The Role of NGAC and Service Mesh for Enterprise-wide Authorization</b> <b>Ignasi Barerra</b> , Founding Engineer, <i>Tetrade</i> <b>Zack Butcher</b> , Founding Engineer, <i>Tetrade</i>

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2:10 pm EDT [50]  
11:10 pm PST

**Demo1: An An Infrastructure for Secure Data Sharing**

**Joshua Roberts**, Computer Scientist, *NIST*

**Demo2: Policy as Code for Enterprise-wide Authorization**

**Ignasi Barerra**, Founding Engineer, *Tetrate*

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3:00 pm EDT [10]  
12:00 pm PST

**BREAK**

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3:15 pm EDT [25]  
12:15 pm PST

**Panel: The Yellow Brick Road to High Assurance with OSCAL**

Moderator: **Brian Ruf**, Director for Cybersecurity, *Easy Dynamics*

Panelists: **Daniele Catteddu**, CTO, *Cloud Security Alliance (CSA)*

**Michaela Iorga**, OSCAL Strategic Director, *NIST*

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3:40 pm EDT [25]  
12:40 pm PST

**High Assurance via Service Mesh**

**Nicolas (Nic) M. Chaillan**, Founder, *Ask Sage and Learn with Nic*, and  
Former Air Force and Space Force Chief Software Officer

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4:05 pm EDT [10]  
1:05 pm PST

**Closing Remarks**

**Matthew Scholl**, Chief, *Computer Security Division, NIST*

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