

Cybersecurity Transition to Practice Workshop

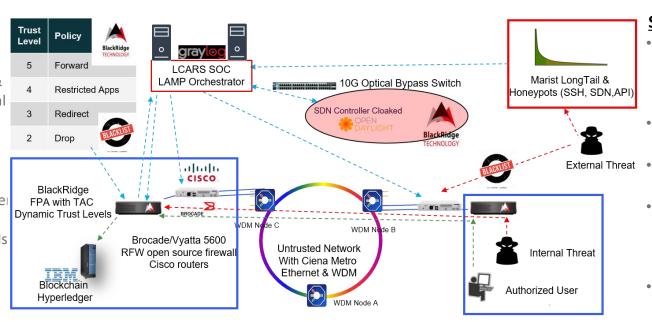
CCAC MARIST

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Quad Chart for: SecureCloud: Autonomic Security for Zero Trust Cloud Computing

Challenges:

- Detect attacks as early as possible & block access in real time
- Protect cloud services (like Blockchain) from insider and outsider threats with variable trust levels
- Increase visibility, automate data collection and response



Scientific Impact:

- Prevents DDoS attacks (Memcache), Bleichenbacher attacks, scanners
 Identifies DDoS
- masking malware
 Classifying 40 M
- botnets/year
 Protecting IBM
 LinuxOne, NY State
 Cloud Computing &

Analytics Center

Award winning papers, NYIT & IBM TechConnect

Solutions:

- Created 3 honeypots to collect external telemetry (including industry's first SDN honeypot)
- Created Lightweight Cloud Application for Realtime Security (LCARS) orchestrator with response recipes, graph database analytics
- First Packet Authentication to detect unauthorized access attempts
- Transport Access Control cloaks resources & provides real time blacklisting

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Next Steps:

- Download our papers & code GitHub.com/ Marist_Innovation_Lab
- Contact us for industry collaboration & cybersecurity education opportunities