

Region One ESC TAC Meeting November 2021

Regional Updates

Presented by: Technology for Learning



Agenda

2:30pm – 3:00 pm: Welcome, New Members, and Regional Updates

3:00pm – 3:45pm: Regional Planning Workshop

Identifying regional challenges and needs is a key component in ensuring the service center can support our districts and provide value. This activity will help us identify common challenges and needs and establish technology initiatives benefitting the region.

3:45pm – 4:15pm: Report Out

Each group will share out their findings based on the workshop activity.

4:15pm – 4:30pm: Discussion: Creating a TAC Steering Committee

Technology Advisory Committee members are invited to share their thoughts on establishing a regional TAC steering committee to assist with regional initiative planning, meeting formats, activity scheduling, etc.

4:30pm: Open Discussion



Welcome and New TAC Members for 2021-2022

Tell us a little about yourself!

Your Name

Your Role

Your District

When you Started

Anything else you'd like to share



TAC Survey Feedback - Revisited

Please share your thoughts regarding how Region One can better serve your school system.

- **Post meeting submission of agenda topics for the subsequent meeting**
 - <https://www.esc1.net/Page/3895>
- **More Training for PEIMS errors and how to fix them; any other program that will assist the office staff with paperwork or an easier gradebook**
 - [12/9/2021: 211620 - *Virtual* PEIMS Mid-Year Submission Training](#)
 - [2/17/2022: 211633 - *Virtual* Student Discipline Updates Meeting](#)
 - [2/23/2022: 211638 - *Virtual* Class Roster Winter Collection Training](#)
 - [4/14/2022: 211622 - *Virtual* PEIMS Spring Updates Meeting \(Part 1\)](#)
 - [4/21/2022: 211623 - *Virtual* PEIMS Spring Updates Meeting \(Part 2\)](#)
 - [5/5/2022: 211624 - *Virtual* Early Childhood Data System Pre-Kindergarten Submission Training](#)
- **More technology training for Microsoft technology classroom integration.**
 - <http://www.esc1.net/megabyte>
- **Some form of 911 or Amber Alert where Region 1 members can provide support to each other especially when knowledge and experience plays an important role in such situations**
 - regiononetac@gl.s.esc1.net
- DR Services
- Provided a Ascender chat support for Student and Finance, and a portal for E-Rate related support
- **Continue advocating for cyber security. Advocate more for coding camps, STEM, and student connectivity.** Consider a paperless initiative to help districts maximize their student information systems and financial management systems.



TAC Survey Feedback - Revisited

Do you have suggested topics or services for which you'd like more information for the future TAC meetings?

- Best Practice Sharing among school districts
- Cisco Voice and/or CCNA Bootcamps
- Incident Response training
- Wireless network surveys and stress tests
- Security best practices from Region One Districts affected by recent incidents
- Office 365 and G Suite Backup



Updates and Announcements



TAC Listserv

Listserv will be used to share information and communicate with the TAC group. All existing contacts will be added and members can unsubscribe at will (regiononetac@gl.s.esc1.net).

Upcoming TSDS Submission Dates

December 2, 2021 Fall PEIMS due to TEA

December 3, 2021 All RFT data promoted & validated

January 20, 2022 Fall PEIMS Resubmission due to TEA

January 27, 2022 Mid-Year PEIMS due to TEA

January 27, 2022 ECDS Kindergarten Submission due to TEA

February 10, 2022 Mid-Year PEIMS Resubmission due to TEA

February 17, 2022 SPPI-14 Submission due to TEA

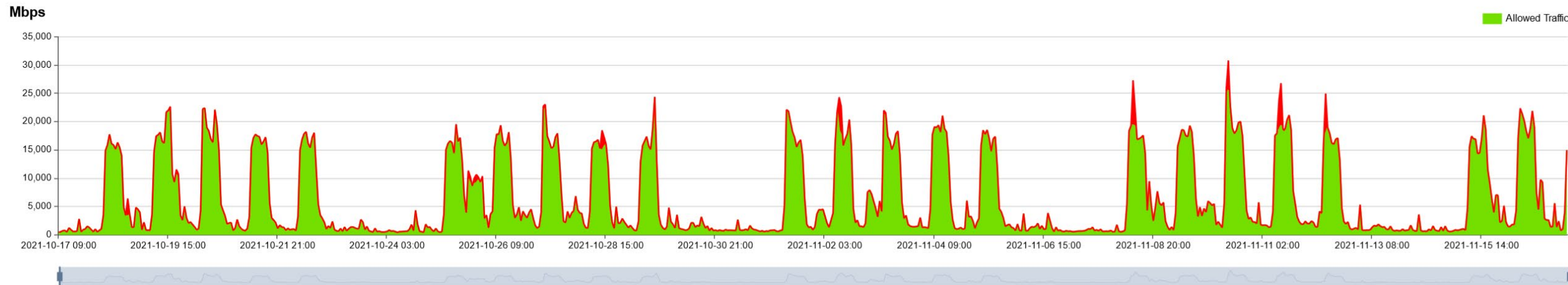


ORION DDoS Protection - Update

- DDoS Services have been live for about 30 days
- Thirteen (13) districts currently protected
- The service has automatically blocked 16 attacks against district networks
- Service is being tweaked/adjusted by SmartCom using district feedback

30 Day Traffic Analysis – ORION network

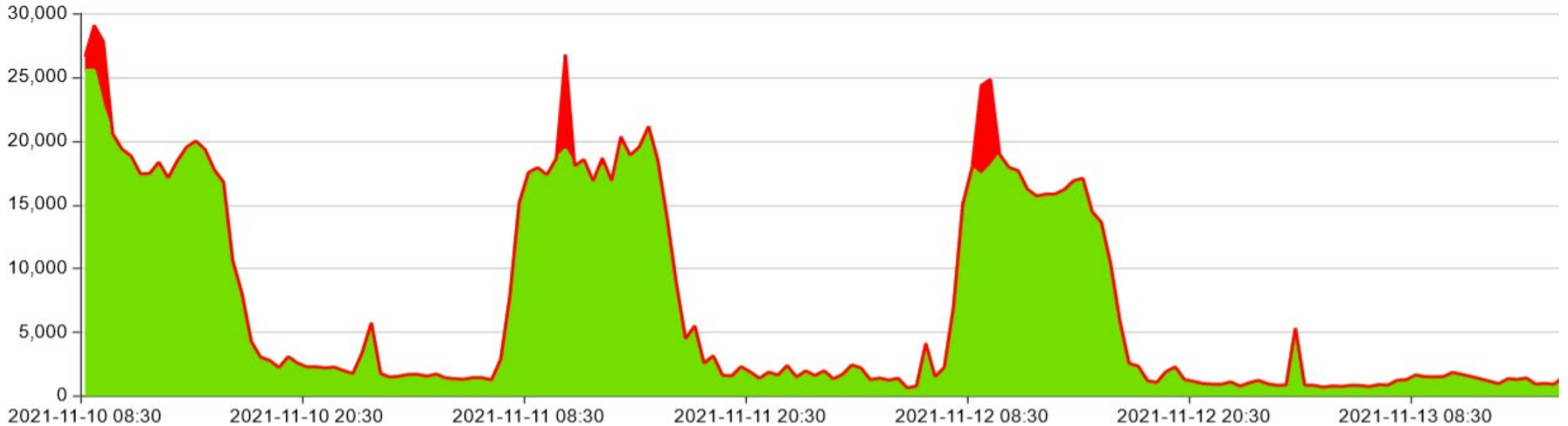
ESTIMATED TRAFFIC



Traffic Analysis – detail view

ESTIMATED TRAFFIC

Mbps



DDoS Attack Details (Last 7 Days)

Attack Status	Start Time	Duration	Peak (Mbps)	Attack Volume	Description
Completed	2021-11-16 17:02	00:01:00	0	0 MB	TCP Flow Flood
Completed	2021-11-16 08:42	00:06:00	572	20.9 GB	UDP Reflection from 51820 to service 44349
Completed	2021-11-15 16:33	00:03:00	26	195 MB	Multivector Attack
Completed	2021-11-15 15:33	00:12:00	201	1.5 GB	Multivector Attack
Completed	2021-11-12 09:18	00:04:00	6840	155.3 GB	Multivector Attack
Completed	2021-11-12 09:11	00:05:00	7069	170.3 GB	Multivector Attack to multiple services
Completed	2021-11-11 14:21	00:01:00	9	67 MB	TCP Flow Flood
Completed	2021-11-11 13:32	00:11:00	563	7.5 GB	Multivector Attack
Completed	2021-11-11 12:31	00:37:00	576	6.1 GB	Multivector Attack
Completed	2021-11-11 11:32	00:31:00	273	2.0 GB	Multivector Attack
Completed	2021-11-11 10:25	00:33:00	7445	353.6 GB	Multivector Attack
Completed	2021-11-11 08:11	00:01:00	8	60 MB	Multivector Attack to multiple services
Completed	2021-11-10 14:32	00:48:00	49	367 MB	Multivector Attack
Completed	2021-11-10 09:10	00:19:00	5224	485.2 GB	Multivector Attack
Completed	2021-11-10 09:05	00:02:00	2277	22.6 GB	UDP Flood
Completed	2021-11-10 08:11	00:31:00	1065	166.6 GB	Multivector Attack

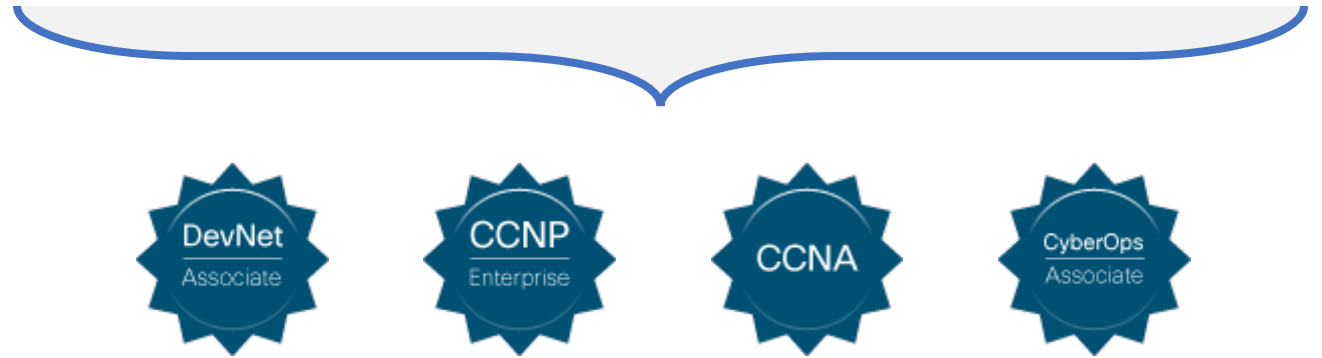


Networking, Cybersecurity, and Programming Training

Region One now designated as Cisco Networking Academy

- Access to an industry-recognized curriculum covering networking, programming, and cybersecurity
- Multiple levels of rigor available based on regional training needs
 - **Foundational** courses build familiarity with computer and networking concepts
 - **Career tract** courses focus on providing high-demand skills and culminate in industry-recognized certifications
- Curriculum is appropriate for IT professionals, CTE instructors, and students

Curriculum designed and maintained by IT industry leaders



High-demand certifications and career-placement opportunities



2022 Technology Conference

Multiple conference strands for diverse audiences with sessions presented by regional practitioners and industry experts.

- **Instructional Technology**
 - Education Technology, Classroom Integration, Pedagogy
- **Information Security**
 - Security Awareness, Infrastructure Strengthening, Governance, Resilience
- **Datacenter and Infrastructure**
 - Cloud Computing, Networking, Virtual Environments, DevOps
- **Administrative**
 - E-Rate, Budgeting/Technology planning, cyber-liability insurance, one-to-one/device management
- **Physical Security and Access Control**
 - Cameras, control systems, HVAC, access control systems, etc.

SAVE THE DATE

May 17-19, 2022
SPI Convention Center

- Hundreds of products and services shared by Technology and Ed-tech exhibitors
- Three days of technology and Ed-Tech sessions focused on learning and collaboration
- Sit-and-get sessions covering best practices scheduled hourly and presented by regional educators
- Hosted networking event for all conference attendees



Updates and Announcements

Region One STEM Conference

Scheduled: February 17-18, 2021

Region One Student by Student Conference

Scheduled: April 29, 2021

Region One Technology Conference

Scheduled: May 17-19, 2022

SAVE THE DATE

Upcoming Conferences and Events



Questions?

Region One ESC Division of Technology for Learning

Ali Kolaoudouz

Deputy Director of Technology for Learning

E: akolaoudouz@esc1.net

Miguel Chuca

Director of Instructional Technology

mchuca@esc1.net

Alex Flores

Director of Product Development

aflores@esc1.net

Daniel Ramirez

Information Security Officer

danramirez@esc1.net

Dante Fox

Coordinator of Network and Datacenter

dfox@esc1.net

Sebastian Barron

Coordinator for Application Development

sbarron@esc1.net

