Welcome to the Telecommunications & Technology Policy Steering Committee Business Meeting
Housekeeping

- Please stay masked unless actively eating or drinking
- Use standing microphones for questions and comments
- Virtual attendees may “raise hand” to be recognized or ask questions and make comments in the chat
- Slides and all materials will be emailed to the Committee after the conference!
Run of Show

1:30pm: Opening remarks and introductions, Chair Clark
1:45pm-2:15pm: Next-Gen 911 with State Senator Kagan
2:15pm-2:45pm: Cyber Priorities w/ Sen. Peters and Rita Reynolds
2:45pm-3:15pm: Fireside chat with Kevin Gallagher, DOC
3:15pm-3:45pm: FCC presentation (recorded) & Federal Policy Update
3:45pm-4:15pm: T&T business meeting (committee members only)
Opening Remarks and Introductions

Chair Tarryl Clark
Next-Generation 911 Presentation, State Senator Cheryl Kagan (D-Md.)
Local Cybersecurity Priorities, Sen. Gary Peters and Rita Reynolds
Remarks from Senator Gary Peters

Click to Watch Remarks
Evolving Threat Landscape

- Ransomware
- IoT Devices
- Insider
- Cyber Insurance
- Log4j
- Mis/Dis Information
- Russia
- Ukraine
External Threats – Hacker As a Service

Along with the encrypting system, you get access to the fastest stealer all over the world - StealBit automatically downloading all files of the attacked company to our updated blog.

<table>
<thead>
<tr>
<th>Downloading method</th>
<th>Speed in megabytes per second</th>
<th>Compression in real time</th>
<th>Hidden mode</th>
<th>drag’n’drop</th>
<th>Time spent for downloading of 10 GB</th>
<th>Time spent for downloading of 100 GB</th>
<th>Time spent for downloading of 10 TB</th>
</tr>
</thead>
<tbody>
<tr>
<td>Stealer - StealBit</td>
<td>63.46 MB/s</td>
<td>Yes</td>
<td>Yes</td>
<td>Yes</td>
<td>1M 59S</td>
<td>19M 58S</td>
<td>1D 9H 15M 57S</td>
</tr>
<tr>
<td>Retclone pcloud.com free</td>
<td>4.82 MB/s</td>
<td>No</td>
<td>No</td>
<td>No</td>
<td>34M 34S</td>
<td>5H 46M 46S</td>
<td>24D 18M 53S</td>
</tr>
<tr>
<td>Retclone pcloud.com premium</td>
<td>4.38 MB/s</td>
<td>No</td>
<td>No</td>
<td>No</td>
<td>38M 3S</td>
<td>6H 20M 31S</td>
<td>25D 10H 11M 45S</td>
</tr>
<tr>
<td>Retclone mail.ru free</td>
<td>3.58 MB/s</td>
<td>No</td>
<td>No</td>
<td>No</td>
<td>46M 48S</td>
<td>7H 48M 9S</td>
<td>32D 12H 16M 28S</td>
</tr>
<tr>
<td>Retclone mega.nz.free</td>
<td>2.01 MB/s</td>
<td>No</td>
<td>No</td>
<td>No</td>
<td>1H 22M 55S</td>
<td>13H 48M 11S</td>
<td>57D 13H 58M 44s</td>
</tr>
<tr>
<td>Retclone mega.nz.PRO</td>
<td>1.01 MB/s</td>
<td>No</td>
<td>No</td>
<td>No</td>
<td>2H 45M</td>
<td>1D 03H 30M 9S</td>
<td>114D 14H 16M 30S</td>
</tr>
<tr>
<td>Retclone yandex.ru.free</td>
<td>0.52 MB/s</td>
<td>No</td>
<td>No</td>
<td>No</td>
<td>5H 20M 30S</td>
<td>2D 05H 25M 7S</td>
<td>222D 13H 62M 49S</td>
</tr>
</tbody>
</table>

Only you decide during communication how much the encrypted company will pay you. You get the payment to
LockBit 2.0 is the fastest encryption software all over the world. In order to make it clear, we made a comparative table with several similar programs indicating the encryption speed at same conditions, making no secret of their names.

<table>
<thead>
<tr>
<th>Name of the ransomware</th>
<th>Date of a sample</th>
<th>Speed in megabytes per second</th>
<th>Time spent for encryption of 100 GB</th>
<th>Time spent for encryption of 10 TB</th>
<th>Self spread</th>
<th>Size sample in KB</th>
<th>The number of the encrypted files (All file in a system 267472)</th>
</tr>
</thead>
<tbody>
<tr>
<td>LOCKBIT 2.0</td>
<td>5 Jun, 2021</td>
<td>373 MB/s</td>
<td>4M 28S</td>
<td>7H 26M 40S</td>
<td>Yes</td>
<td>855 KB</td>
<td>109934</td>
</tr>
<tr>
<td>LOCKBIT</td>
<td>14 Feb, 2021</td>
<td>266 MB/s</td>
<td>6M 16S</td>
<td>10H 26M 40S</td>
<td>Yes</td>
<td>146 KB</td>
<td>110029</td>
</tr>
<tr>
<td>Cuba</td>
<td>8 Mar, 2020</td>
<td>165 MB/s</td>
<td>9M</td>
<td>15H</td>
<td>No</td>
<td>1130 KB</td>
<td>110468</td>
</tr>
<tr>
<td>BlackMatter</td>
<td>2 Aug, 2021</td>
<td>165 MB/s</td>
<td>9M</td>
<td>15H</td>
<td>No</td>
<td>67 KB</td>
<td>111018</td>
</tr>
<tr>
<td>Babuk</td>
<td>20 Apr, 2021</td>
<td>166 MB/s</td>
<td>10M</td>
<td>16H 40M</td>
<td>Yes</td>
<td>79 KB</td>
<td>109999</td>
</tr>
<tr>
<td>Sodinokibi</td>
<td>4 Jul, 2019</td>
<td>151 MB/s</td>
<td>11M</td>
<td>18H 20M</td>
<td>No</td>
<td>253 KB</td>
<td>95490</td>
</tr>
<tr>
<td>Ragnar</td>
<td>11 Feb, 2020</td>
<td>151 MB/s</td>
<td>11M</td>
<td>18H 20M</td>
<td>No</td>
<td>40 KB</td>
<td>110651</td>
</tr>
<tr>
<td>NetWalker</td>
<td>19 Oct, 2020</td>
<td>151 MB/s</td>
<td>11M</td>
<td>18H 20M</td>
<td>No</td>
<td>902 KB</td>
<td>109892</td>
</tr>
<tr>
<td>MAKOP</td>
<td>27 Oct, 2020</td>
<td>138 MB/s</td>
<td>12M</td>
<td>20H</td>
<td>No</td>
<td>115 KB</td>
<td>111002</td>
</tr>
<tr>
<td>RansomEXX</td>
<td>14 Dec, 2020</td>
<td>138 MB/s</td>
<td>12M</td>
<td>20H</td>
<td>No</td>
<td>156 KB</td>
<td>109700</td>
</tr>
<tr>
<td>Pysa</td>
<td>8 Apr, 2021</td>
<td>128 MB/s</td>
<td>13M</td>
<td>21H 40M</td>
<td>No</td>
<td>500 KB</td>
<td>108430</td>
</tr>
<tr>
<td>Avaddon</td>
<td>9 Jun, 2020</td>
<td>119 MB/s</td>
<td>14M</td>
<td>23H 20M</td>
<td>No</td>
<td>1054 KB</td>
<td>109952</td>
</tr>
</tbody>
</table>
The Current State of Cyber – Insider Threats

An internal employee maliciously or inadvertently causes an issue to occur.

- **NEW:** USB mailings starting in August 2021 and continuing through January 2022.
- When plugged in, the device may appear to be a keyboard on the system and execute code in memory, including a PowerShell payload.
Local Government Cyber Priorities

NACo Cyber Priorities and Best Practices Publication

1. MFA – Multi Factor Authentication
2. DMARC
3. DotGov
4. Assessments
5. Join MS-ISAC
6. Monitoring Tools
7. Contract Reviews-3rd Party Providers
8. End User Education
9. End User Protection
10. Support (staffing, consultants)
11. Policies
NACo Programs

- NACo Tech Xchange
  - Discussion Group
  - Portal
  - Focus Groups – toolkits
  - CIO Forums
- Open to County IT Leaders and other IT employees (GIS, security)
2022 NACo

LEGISLATIVE CONFERENCE

NACo Programs – Cyber Guide for County Leadership

Five Areas

1. Increased security
2. Protection of residents
3. Lower Cyber Insurance Coverage
4. Protection of end users
5. Protection of data assets
6. Protection of the county brand
7. Protection of the website
8. Protection of the network
9. Protection of Election Equipment
10. Protection of Election Processes
Cyber Guide for County Leadership
Top Ten Questions

1. Does the County have a Board adopted Information Security Program in place to govern cyber risk management?
2. Does the county have Multi-Factor Authentication (MFA) in place?
3. Does our county have a security incident plan in place and is that plan part of the overall continuity of government plan?
4. What cyber-related issues have we experienced in the past year or key high-level findings that have been uncovered through an assessment, and what is our plan for addressing them?
5. Are there security initiatives which you believe are important to take on in the next several years? And does that involve new tools and funding? How can elected leadership support you in those?
6. Does our county have an employee security awareness training program in place? Tell me more.
7. Are our backups safe from a security threat and have we conducted exercises to test reinstalling data from backup?
8. How does our county ensure the cyber safety of county employees, contractors and others that connect to the network, especially in a remote environment?
9. Is our county using the cloud for hosting data and applications and how is that protected?
10. Why do we need cyber insurance and what are the current challenges?
Tend to the Basics

- Change Your Password
- MFA
- End User Training
- Patch..Patch..Patch
- Cyber Attack Simulations
- Security Incident Plan
- CISA
- MS-ISAC
NACo 2022 Technology Priorities
NACo Programs

• Cyber Attack Simulation Series
  • Nov 29 – Dec 1
  • County staff encouraged to participate (IT, CAO, County Exec, HR, etc.)
• 2022 Cyber Simulations
  • March 14 - 18, 2022 | Ransomware on 911 Systems and Backup Systems
  • June 13 - 17, 2022 | Counterfeit Websites/Website Defacement
  • September 19 - 23, 2022 | Waste Management, Water Treatment and Recycling Centers
  • November 14 - 18, 2022 | Procurement Without IT Support
Thank You

Questions?

Rita Reynolds, CIO, NACo
rreynolds@naco.org
Fireside Chat with Kevin Gallagher, Department of Commerce
Fireside Chat with Kevin Gallagher, Department of Commerce
What’s the latest from the FCC?
What’s the latest from the FCC?

Click to Watch FCC Presentation
Federal Policy Update
Telecommunications & Technology
Business Meeting
Interim Policy Resolution Consideration
Thank you!

See you at Happy Hour: 6:30pm @ the LINE Hotel, 1770 Euclid St. NW