ISC 2019 第七届互联网安全大会

5G安全-让子弹再飞一会

黄琳

360集团高级技术经理

小鹅助理



扫码添加小鹅助理,与数万科技圈人士 分享重量级活动PPT、干货培训课程、高端会议免费 门票







基础通信设施的安全问题

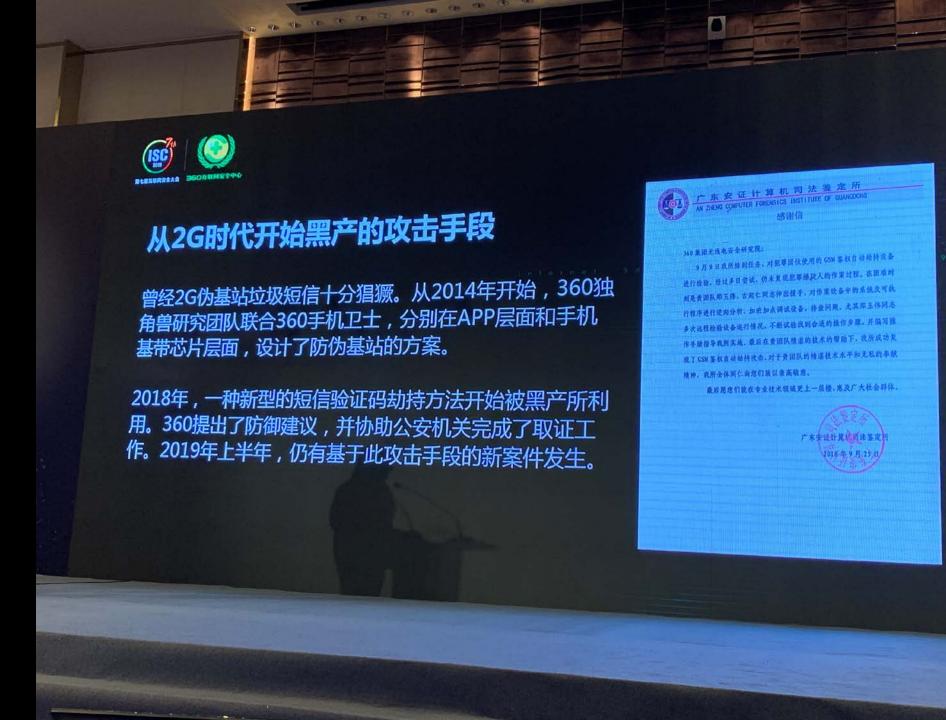
通信网络相关的安全问题是一个长期 存在的话题,并不是因为5G新引入的。

关键基础设施连接无线网络的风险, 过去就存在,现在也存在,将来依然 存在

https://github.com/W00t3k/Awesome-Cellular-Hacking

Contents

- The Most Expensive Lesson Of My Life: Details of SIM port hack
- USING A HACKRE TO REVERSE ENGINEER AND CONTROL RESTAURANT PAGERS
- Hacking Public Warning System in LTE Mobile Networks
- Rooting 5IM-cards
- RF Exploitation: IoT/OT Hacking with SDR
- Forcing a targeted LTE Cellphone Into an Eavesdropping Network
- Hacking Cellular Networks
- · Bye-Bye-IMSI-Catchers
- New Privacy Threat on 3G, 4G, and Upcoming 5G AKA Protocols
- . White-Stingray: Evaluating IMSI Catchers Detection Applications
- . Breaking LTE on Layer Two
- . LTE/LTE-A Jamming, Spooling, and Sniffing: Threat Assessment and Mitigation
- Exploring LTE security and protocol exploits with open source software and low-cost software radio by Roger Jover
- . LTE PROTOCOL EXPLOITS: IMSI CATCHERS, BLOCKING DEVICES AND LOCATION LEAKS
- Practical Attacks Against Privacy and Availability in 4G/LTE Mobile Communication Systems
- Using OpenBTS "Experimental_Security_Assessment_of_BMW_Cars by KeenLab"
- 5G NR Jamming, Spoofing, and Sniffing
- LTE Security -- How Good Is It?
- https://nvlpubs.nist.gov/nistpubs/SpecialPublications/NIST.SP.800-187.pdf -Small Tweaks do Not Help: Differential Power Analysis of MILENAGE Implementations in 3G/4G USIM Cards
- Froot via SMS: 4G access level security assessment
- Small Tweaks do Not Help: Differential Power Analysis of MILENAGE Implementations in 3G/4G USIM Cards
- . LTE security and protocol exploits

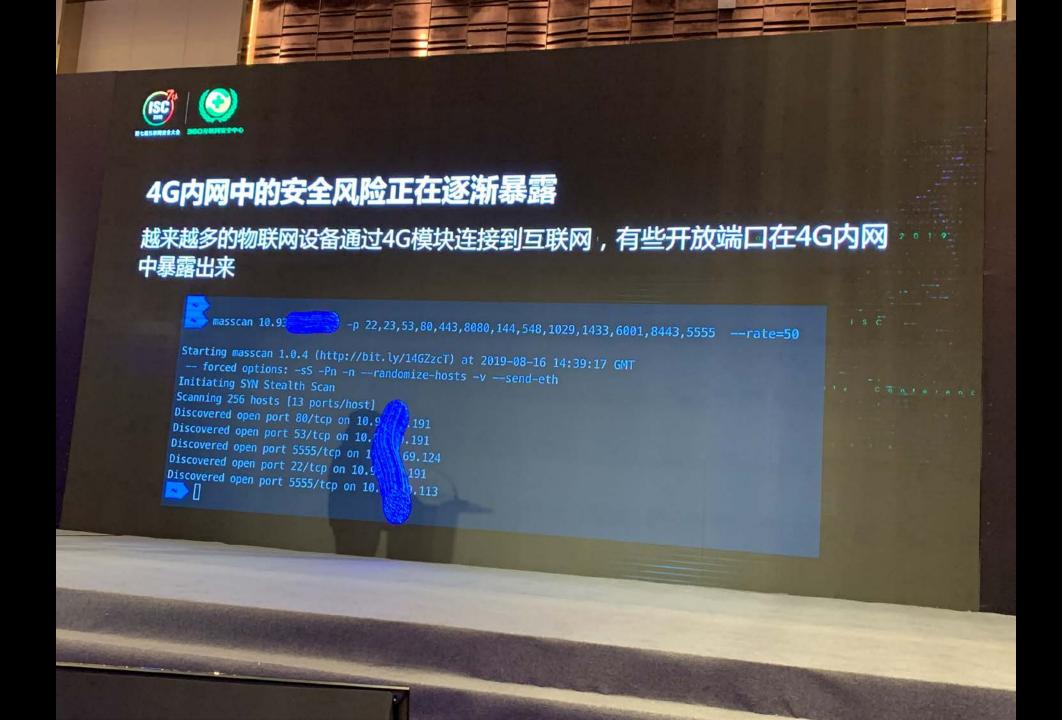
















5G与垂直行业的结合

网络切片 MEC边缘计算 Vertical LAN 和自建专网 车联网,从V2X到V2X的演进

5G对垂直行业开放的接口,网络设备的部署方式等,都还需要等待 5G行业应用最终落地



青岛港基于5G连接的自动岸桥吊车 2019年1月





小鹅助理



谢谢!

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