

**Topic: Payment System Security**  
**Team: Sourav Mangla and Deep Mehta**

**Resources:-**

1. <https://ieeexplore.ieee.org/document/9519404>  
@INPROCEEDINGS{9519404,  
author={Basin, David and Sasse, Ralf and Toro-Pozo, Jorge},  
booktitle={2021 IEEE Symposium on Security and Privacy (SP)},  
title={The EMV Standard: Break, Fix, Verify},  
year={2021},  
volume={},  
number={},  
pages={1766-1781},  
doi={10.1109/SP40001.2021.00037}}
2. <https://www.usenix.org/system/files/sec21fall-basin.pdf>  
@inproceedings {272165,  
author = {David Basin and Ralf Sasse and Jorge Toro-Pozo},  
title = {Card Brand Mixup Attack: Bypassing the {PIN} in {non-Visa} Cards by Using Them for Visa Transactions},  
booktitle = {30th USENIX Security Symposium (USENIX Security 21)},  
year = {2021},  
isbn = {978-1-939133-24-3},  
pages = {179--194},  
url = {https://www.usenix.org/conference/usenixsecurity21/presentation/basin},  
publisher = {USENIX Association},  
month = aug,}
3. <https://www.usenix.org/system/files/conference/woot13/woot13-roland.pdf>  
@inproceedings {179198,  
author = {Michael Roland and Josef Langer},  
title = {Cloning Credit Cards: A Combined Pre-play and Downgrade Attack on {EMV} Contactless},  
booktitle = {7th USENIX Workshop on Offensive Technologies (WOOT 13)},  
year = {2013},  
address = {Washington, D.C.},  
url = {https://www.usenix.org/conference/woot13/workshop-program/presentation/roland},  
publisher = {USENIX Association},  
month = aug,}
4. <https://ieeexplore.ieee.org/document/9514868>  
@article{DBLP:journals/access/AhmedRJKGJK21,  
author = {Waqas Ahmed and  
Aamir Rasool and  
Abdul Rehman Javed and  
Neeraj Kumar and  
Thippa Reddy Gadekallu and  
Zunera Jalil and  
Natalia Kryvinska},  
title = {Security in Next Generation Mobile Payment Systems: {A} Comprehensive Survey},  
journal = {{IEEE} Access},  
volume = {9},  
pages = {115932--115950},

```

year    = {2021},
url     = {https://doi.org/10.1109/ACCESS.2021.3105450},
doi     = {10.1109/ACCESS.2021.3105450},
timestamp = {Wed, 01 Sep 2021 12:44:59 +0200},
biburl  = {https://dblp.org/rec/journals/access/AhmedRJKGJK21.bib},
bibsource = {dblp computer science bibliography, https://dblp.org}
}

```

5. <https://ieeexplore.ieee.org/document/9519475>

```

@inproceedings{DBLP:conf/sp/DinVLWLK21,
  author    = {Zain ul Abi Din and
              Hari Venugopalan and
              Henry Lin and
              Adam Wushensky and
              Steven Liu and
              Samuel T. King},
  title     = {Doing good by fighting fraud: Ethical anti-fraud systems for mobile
              payments},
  booktitle = {42nd {IEEE} Symposium on Security and Privacy, {SP} 2021, San Francisco,
              CA, USA, 24-27 May 2021},
  pages     = {1623--1640},
  publisher = {{IEEE}},
  year      = {2021},
  url       = {https://doi.org/10.1109/SP40001.2021.00100},
  doi       = {10.1109/SP40001.2021.00100},
  timestamp = {Tue, 12 Oct 2021 18:03:30 +0200},
  biburl    = {https://dblp.org/rec/conf/sp/DinVLWLK21.bib},
  bibsource = {dblp computer science bibliography, https://dblp.org}
}

```

6. <https://dl.acm.org/doi/10.1145/3319535.3363195>

```

@inproceedings{DBLP:conf/ccs/RahamanWY19,
  author    = {Sazzadur Rahaman and
              Gang Wang and
              Danfeng Daphne Yao},
  editor    = {Lorenzo Cavallaro and
              Johannes Kinder and
              XiaoFeng Wang and
              Jonathan Katz},
  title     = {Security Certification in Payment Card Industry: Testbeds, Measurements,
              and Recommendations},
  booktitle = {Proceedings of the 2019 {ACM} {SIGSAC} Conference on Computer and
              Communications Security, {CCS} 2019, London, UK, November 11-15, 2019},
  pages     = {481--498},
  publisher = {{ACM}},
  year      = {2019},
  url       = {https://doi.org/10.1145/3319535.3363195},
  doi       = {10.1145/3319535.3363195},
  timestamp = {Thu, 14 Oct 2021 09:58:28 +0200},
  biburl    = {https://dblp.org/rec/conf/ccs/RahamanWY19.bib},
  bibsource = {dblp computer science bibliography, https://dblp.org}
}

```

7. <https://doi.org/10.1109/DASC/PiCom/CBDDCom/CyberSciTech.2019.00099>

```
@inproceedings{DBLP:conf/dasc/SarrafpourCPM19,  
  author = {Bahman A. Sassani Sarrafpour and  
    Rosario Del Pilar Soria Choque and  
    Blake Mitchell Paul and  
    Farhad Mehdipour},  
  title = {Commercial Security Scanning: Point-on-Sale {(POS)} Vulnerability  
    and Mitigation Techniques},  
  booktitle = {2019 {IEEE} Intl Conf on Dependable, Autonomic and Secure Computing,  
    Intl Conf on Pervasive Intelligence and Computing, Intl Conf on Cloud  
    and Big Data Computing, Intl Conf on Cyber Science and Technology  
    Congress, DASC/PiCom/CBDDCom/CyberSciTech 2019, Fukuoka, Japan,  
    Year {5-8, 2019},  
  pages = {493--498},  
  publisher = {{IEEE}},  
  year = {2019},  
  url = {https://doi.org/10.1109/DASC/PiCom/CBDDCom/CyberSciTech.2019.00099},  
  doi = {10.1109/DASC/PiCom/CBDDCom/CyberSciTech.2019.00099},  
  timestamp = {Sun, 10 Nov 2019 16:48:12 +0100},  
  biburl = {https://dblp.org/rec/conf/dasc/SarrafpourCPM19.bib},  
  bibsource = {dblp computer science bibliography, https://dblp.org}  
}
```

8. <https://doi.org/10.1109/BigDataSecurityHPSCIDS52275.2021.00018>

```
@inproceedings{DBLP:conf/bigdatasec/NagarEJ21,  
  author = {Ankur Nagar and Lavanya Elluri and Karuna Pande Joshi}  
  title = {Automated Compliance of Mobile Wallet Payments for Cloud Services},  
  booktitle = {7th {IEEE} International Conference on Big Data Security on Cloud,  
    {IEEE} International Conference on High Performance and Smart Computing,  
    and {IEEE} International Conference on Intelligent Data and Security,  
    BigDataSecurity/HPSC/IDS 2021, New York City, NY, USA, May 15-17,  
    2021}  
  pages = {38--45},  
  publisher = {{IEEE}},  
  year = {2021},  
  url = {https://doi.org/10.1109/BigDataSecurityHPSCIDS52275.2021.00018},  
  doi = {10.1109/BigDataSecurityHPSCIDS52275.2021.00018},  
  timestamp = {Wed, 14 Jul 2021 09:33:42 +0200},  
  biburl = {https://dblp.org/rec/conf/bigdatasec/NagarEJ21.bib},  
  bibsource = {dblp computer science bibliography, https://dblp.org}
```

9. <https://ieeexplore-ieee-org.ezproxy4.library.arizona.edu/document/8622236>

```
@inproceedings{DBLP:conf/bigdataconf/ElluriNJ18,  
  author = {Lavanya Elluri and  
            Ankur Nagar and  
            Karuna Pande Joshi},  
  editor = {Naoki Abe and  
            Huan Liu and  
            Calton Pu and  
            Xiaohua Hu and  
            Nesreen K. Ahmed and  
            Mu Qiao and  
            Yang Song and  
            Donald Kossmann and  
            Bing Liu and  
            Kisung Lee and  
            Jiliang Tang and  
            Jingrui He and  
            Jeffrey S. Saltz},  
  title = {An Integrated Knowledge Graph to Automate {GDPR} and {PCI} {DSS}  
Compliance},  
  booktitle = {{IEEE} International Conference on Big Data {(IEEE} BigData 2018),  
            Seattle, WA, USA, December 10-13, 2018},  
  pages = {1266--1271},  
  publisher = {{IEEE}},  
  year = {2018},  
  url = {https://doi.org/10.1109/BigData.2018.8622236},  
  doi = {10.1109/BigData.2018.8622236},  
  timestamp = {Fri, 19 Nov 2021 16:08:20 +0100},  
  biburl = {https://dblp.org/rec/conf/bigdataconf/ElluriNJ18.bib},  
  bibsource = {dblp computer science bibliography, https://dblp.org}  
}
```

10. <https://www.fsl.cs.sunysb.edu/~kolya/pubs/2014-DC-DataFlows.pdf>

```
@inproceedings{DBLP:conf/icitst/JoukovST14,  
  author = {Nikolai Joukov and  
            Vladislav Shorokhov and  
            Dmytro Tantsuyev},  
  title = {Security audit of data flows across enterprise systems and networks},  
  booktitle = {9th International Conference for Internet Technology and Secured Transactions,  
            {ICITST} 2014, London, United Kingdom, December 8-10, 2014},  
  pages = {240--247},  
  publisher = {{IEEE}},  
  year = {2014},  
  url = {https://doi.org/10.1109/ICITST.2014.7038813},  
  doi = {10.1109/ICITST.2014.7038813},  
  timestamp = {Wed, 16 Oct 2019 14:14:54 +0200},  
  biburl = {https://dblp.org/rec/conf/icitst/JoukovST14.bib},  
  bibsource = {dblp computer science bibliography, https://dblp.org}  
}
```

11. <https://cpb-us-e2.wpmucdn.com/faculty.sites.uci.edu/dist/5/764/files/2021/06/oakland21b.pdf>

```
@inproceedings{DBLP:conf/sp/TanWZL21,  
  author    = {Mingtian Tan and  
              Junpeng Wan and  
              Zhe Zhou and  
              Zhou Li},  
  title     = {Invisible Probe: Timing Attacks with PCIe Congestion Side-channel},  
  booktitle = {42nd {IEEE} Symposium on Security and Privacy, {SP} 2021, San Francisco,  
              CA, USA, 24-27 May 2021},  
  pages     = {322--338},  
  publisher = {{IEEE}},  
  year      = {2021},  
  url       = {https://doi.org/10.1109/SP40001.2021.00059},  
  doi       = {10.1109/SP40001.2021.00059},  
  timestamp = {Tue, 12 Oct 2021 18:03:28 +0200},  
  biburl    = {https://dblp.org/rec/conf/sp/TanWZL21.bib},  
  bibsource = {dblp computer science bibliography, https://dblp.org}  
}
```