# PHỤ LỤC

**THÔNG TIN VỀ MÃ ĐỘC WANNACRY**

1. **Danh sách các máy chủ điều khiển mã độc (C&C Server)**

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| --- | --- | --- | --- |
| **STT** | **Địa chỉ IP C&C** | **STT** | **Địa chỉ IP C&C** |
| 1 | 128.31.0.39 | 18 | 213.239.216.222 |
| 2 | 136.243.176.148 | 19 | 213.61.66.116 |
| 3 | 146.0.32.144 | 20 | 38.229.72.16 |
| 4 | 163.172.153.12 | 21 | 50.7.151.47 |
| 5 | 163.172.185.132 | 22 | 50.7.161.218 |
| 6 | 163.172.25.118 | 23 | 51.255.41.65 |
| 7 | 171.25.193.9 | 24 | 62.138.10.60 |
| 8 | 178.254.44.135 | 25 | 62.138.7.231 |
| 9 | 178.254.44.135 | 26 | 79.172.193.32 |
| 10 | 178.62.173.203 | 27 | 81.30.158.223 |
| 11 | 185.97.32.18 | 28 | 82.94.251.227 |
| 12 | 188.138.33.220 | 29 | 83.162.202.182 |
| 13 | 188.166.23.127 | 30 | 83.169.6.12 |
| 14 | 192.42.115.102 | 31 | 86.59.21.38 |
| 15 | 193.23.244.244 | 32 | 89.45.235.21 |
| 16 | 198.199.64.217 | 33 | 94.23.173.93 |
| 17 | 212.47.232.237 |  |  |

1. **Danh sách tên tập tin**

|  |  |  |  |
| --- | --- | --- | --- |
| **STT** | **File name** | **STT** | **File Name** |
| 1 | @WanaDecryptor@.exe | 6 | taskse.exe |
| 2 | b.wnry | 7 | t.wnry |
| 3 | c.wnry | 8 | u.wnry |
| 4 | s.wnry | 9 | Các file với phần mở rộng “.wnry” |
| 5 | taskdl.exe | 10 | Các file với phần mở rộng “.WNCRY” |

1. **Danh sách mã băm (Hash SHA-256)**

|  |  |
| --- | --- |
| **STT** | **SHA-256** |
| 1 | ed01ebfbc9eb5bbea545af4d01bf5f1071661840480439c6e5babe8e080e41aa |
| 2 | c365ddaa345cfcaff3d629505572a484cff5221933d68e4a52130b8bb7badaf9 |
| 3 | 09a46b3e1be080745a6d8d88d6b5bd351b1c7586ae0dc94d0c238ee36421cafa |
| 4 | 0a73291ab5607aef7db23863cf8e72f55bcb3c273bb47f00edf011515aeb5894 |
| 5 | 428f22a9afd2797ede7c0583d34a052c32693cbb55f567a60298587b6e675c6f |
| 6 | 5c1f4f69c45cff9725d9969f9ffcf79d07bd0f624e06cfa5bcbacd2211046ed6 |
| 7 | 62d828ee000e44f670ba322644c2351fe31af5b88a98f2b2ce27e423dcf1d1b1 |
| 8 | 72af12d8139a80f317e851a60027fdf208871ed334c12637f49d819ab4b033dd |
| 9 | 85ce324b8f78021ecfc9b811c748f19b82e61bb093ff64f2eab457f9ef19b186 |
| 10 | a1d9cd6f189beff28a0a49b10f8fe4510128471f004b3e4283ddc7f78594906b |
| 11 | a93ee7ea13238bd038bcbec635f39619db566145498fe6e0ea60e6e76d614bd3 |
| 12 | b43b234012b8233b3df6adb7c0a3b2b13cc2354dd6de27e092873bf58af2693c |
| 13 | eb47cd6a937221411bb8daf35900a9897fb234160087089a064066a65f42bcd4 |
| 14 | 24d004a104d4d54034dbcffc2a4b19a11f39008a575aa614ea04703480b1022c |
| 15 | 2c2d8bc91564050cf073745f1b117f4ffdd6470e87166abdfcd10ecdff040a2e |
| 16 | 7a828afd2abf153d840938090d498072b7e507c7021e4cdd8c6baf727cafc545 |
| 17 | a897345b68191fd36f8cefb52e6a77acb2367432abb648b9ae0a9d708406de5b |
| 18 | fb0b6044347e972e21b6c376e37e1115dab494a2c6b9fb28b92b1e45b45d0ebc |
| 19 | 9588f2ef06b7e1c8509f32d8eddfa18041a9cc15b1c90d6da484a39f8dcdf967 |
| 20 | b43b234012b8233b3df6adb7c0a3b2b13cc2354dd6de27e092873bf58af2693c |
| 21 | 4186675cb6706f9d51167fb0f14cd3f8fcfb0065093f62b10a15f7d9a6c8d982 |
| 22 | 09a46b3e1be080745a6d8d88d6b5bd351b1c7586ae0dc94d0c238ee36421cafa |