```
                    ┌─────────────────────┐
                    │   Infection Virus   │
                    │   Infects a file    │
                    └─────────────────────┘
                       /               \
                      /                 \
        ┌──────────────────┐      ┌──────────────────┐
        │  Virus run as an │      │  Virus run as a  │
        │  administrator   │      │  normal user     │
        └──────────────────┘      └──────────────────┘
           /          \
          /            \
┌──────────────┐   ┌──────────────┐
│ Virus exploits│  │ Virus run by │
│ root hole     │  │ an admin     │
└──────────────┘   └──────────────┘
                    /      |      \
                   /       |       \
      ┌──────────┐  ┌──────────┐  ┌──────────────┐
      │ Other    │  │ Virus    │  │ Admin        │
      │ infected │  │ infects  │  │ downloads    │
      │ programs │  │ install  │  │ and runs     │
      │          │  │ package  │  │ Infected     │
      └──────────┘  └──────────┘  │ naked Binary │
                                  └──────────────┘
```

Infection Virus Infects a file

- **Virus run as an administrator**
  - Virus exploits root hole
  - **Virus run by an admin**
    - Other infected programs
    - Virus infects install package
    - Admin downloads and runs Infected naked Binary
- **Virus run as a normal user**

STRIDE threat modeling

As we noted above, STRIDE is the granddaddy of threat modeling, first developed at Microsoft in the late '90s. STRIDE stands for the six categories of threat, each of which violates a specific property from variations of the CIA triad:

- Spoofing, or impersonating another person or computer, which violates authenticity
- Tampering with data, which violates integrity
- Repudiation, or making it impossible to link an action you performed to you, which violates non-repudiability
- Information disclosure, which violates confidentiality
- Denial of service, which violates availability
- Elevation of privilege, which violates authorization