- Project sauron compromises a top of the top modulas cyber espions platform in terms of fechnical sophistication designed to enable long term campaigns through stealthy survival mechanisms coupled with multiple exhiltration methods.
- · Technical details show how attackers learned from other extremely advanced actors in order to avoid repeating their mistakes.
  - En: All artifacts are customized per given target, reducing their value cus indicators of compromise for any other victim.

## some other key features of project Souron:

- · It is a modular platform designed to enable long term cy berespionage campaigns
- · All modules and network protocols use strong encry prion algorithms such as RCG, RCS, RC4, AES, Salsa 20 etc.
- · It uses a modified lua scripting engine to implement the core platform and its plugins
- · there are upwards of so different plugin types
- The actor behind project sauron has high interest in communication encryption software widely used by targeted governmental organizations. It steads encryption keys, configuration files & I paddresses to the key infrastructure servece related to the encryption software
- Tt is able to exfiltrate data from air gapped networks by using specially prepared USB storage dicivers where data is stored in an area invisible to the operation system.
- The platfor m makes extensive use of the DNs protocol for data extiltation and realtime status reporting.

- . The APT was operational as easily as June 2011 and remained active until April 2016
- . The initial infection vector used to penetrate victim networks remain unknown
- · The attackers utilize legitimate software distribution channels for lateral movement with in infected networks

The attacked organization are key entities in state functions:

- Government
- · Scientific reasearch centers
- Military
  - · Telecommunication providers
  - · Finance.