Abstract

The way for removing *worm* from a computer, usually need a *removal* application which we called antivirus or *worm removal*. Some of *worm removal* in the market like Norton Antivirus, Panda Antivirus, PC MAV etc, generally need some time to update they *worm* database if there is a local *worm*.

In this final project, we will discuss *worm* scanning method. The method usualy been used was CRC32 and *String scanning*. Also there is a method that join the both method called *hybrid* method. *String scanning* is a method where some character in file being matched with *worm signature*. CRC32 is a scanning method where the CRC32 value from file being matched with value in *worm signature*.

Testing result shows that *String scanning* method have the best time efficiency but weak in accuracy. The CRC32 method good in accuracy but weak in time efficiency. And *hybrid* method have the a better accuracy than *String scanning* and have more time eficiency than CRC32.

Keywords: CRC32, *String scanning*, *Worm*, Registry, *Hybrid*