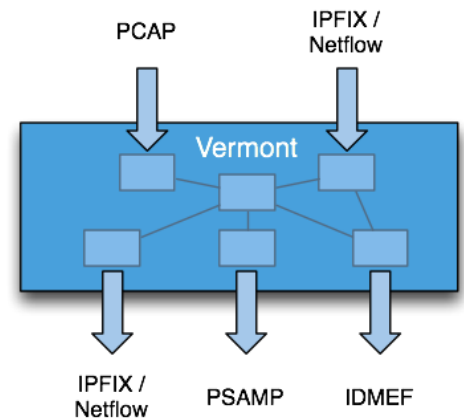




Continuous Development of Open Source C++ Flow Toolkit

Motivation

Flow data are an important source for various tasks such as network monitoring, accounting, attack detection and mitigation. NetFlow, IPFIX and sFlow are protocols which are used to provide flow information. We developed a software toolkit for the creation and processing of network flow data called Vermont (Versatile Monitoring Toolkit). Vermont was successfully used to handle flow data from our own Autonomous System as well as networks which provide more flow data.



You will add additional features to Vermont such as loss detection with TCP sequence number and a dynamic reloading of the configuration. As Vermont is hosted on GitHub (github.com/tumi8/vermont) we receive pull requests from time to time. These will be reviewed by you and discussed with the advisors.

Your Task

- Develop new features for Vermont
- Continuous Integration of Vermont development
- Review and merge pull requests for Vermont
- Work 10 hours per week

Your Skills

- Extensive C++ knowledge (you should know how to properly use templates)
- Painless usage of git SCM
- Previous experience of working on an Open Source project is a plus
- You live the GIYF motto

Contact

Oliver Gasser gasser@net.in.tum.de
Johannes Naab naab@net.in.tum.de

<http://go.tum.de/306574>

