

## ABSTRACT

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*The number of cybercrime in the internet make the need for software that can monitoring and detection of the attack. BRO is a software for monitoring traffic on the network and detect when an attack occur. The advantages of using BRO is able to oversee various layers in the network so that it can apply various kinds of rule to detect attack. BRO with cluster system installed on a server that served as manager and monitor the worker, with cluster system BRO can monitor more than one client. BRO as a manager in charge of make the log and send a notification from email, while the BRO as a worker in charge of implementing the rule that he received from the manager and report to the manager if there an attack. With implementation of BRO, attacks such as scanning, bruteforce, and DoS can be detected and notification will be sent to the administrator in the email.*

*Keywords: Bro, IDS, IPS*