Nowadays, web server uses Intrusion Detetion System (IDS) to to detect the malicious actions and prevent those from making more damage to web server. One web server normally uses many different IDSs. Each IDS have the different format for its alerts. Moreover, the amount of alerts generated by those IDS is usually too large for administrator to understand and take the appropriate actions. There are also the connections between the separated alerts that represent the attack strategy to the web server. So there is a need to reduce the amount of alerts generated by IDSs and correlate those alerts into a meaningful attack graph. Our system uses the Intrusion Detection Message Exchange Format(IDMEF) to normalize all alerts from different IDSs into one common format. Alerts are correlated by using the prerequisites and consequences of each alert. They are connected by partially matching the consequences of one alert with the prerequisites of another alert.