

ABSTRACT

Live virtual machine migration is one of the facilities provided by cloud computing in support of the performance of virtualized services provided. The process of live migration itself is not only to see the performance alone, but also draw attention to the security element.

At this final project analysis about the security holes in the live migration process by conducting a vulnerability assessment. Vulnerability assessment is performed to generate reports about the weakness of the open port 8002 on the Xen host source and destination which in this final project they perform live migration sistem.

The results of the vulnerability assessment states that the port is vulnerable to a denial of service attack (due to CVE-2004-0230 BID 10183). BID tracking code which is 10183 on the site seen from the information page, there are no vulnerable of the Xen virtualization sistem is also reporting on these weaknesses, so that the vulnerability scanner is assumed to equate the sistem are tested of this final project is within the scope of virtualization with non-virtualized TCP service.

Subsequent tests performed after the analysis of vulnerability in the sistem is live migration stress testing using a denial of service. The second test is causing live migration process stops until the attack stopped. Live migration's time difference is quite significant compared to the attack at the live migration with no attack. The time difference is shown when the test reached 207.73 seconds.

Keyword : *live virtual machine migration, vulnerability assessment, vulnerability, denial of service.*