

**BINUS INTERNATIONAL
BINUS UNIVERSITY**

Major Information System
Fast Track to Master of International Business
Sarjana Komputer Thesis
Odd Semester year 2010 / 2011

**THESIS TITLE: ANALYZING AND MINIMIZING THE IMPACT OF RISK
FOR NEW CLOUD COMPUTING PROVIDERS**

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Abstract

Objectives: to analyze the threats that exist in the cloud computing environment and their impact to the business in cloud computing, especially for new cloud providers. This information can be used to support their business plan when they enter the market.

Method: the research is conducted through literature review about cloud computing. The RIIOT method, especially the interview, is used for data gathering about the cloud computing and following the NIST SP 800 – 30 as the foundation of the risk assessment.

Results: among other threats in cloud computing, the internal threats are considered to contain the highest risk. The current controls are meant to protect from external threats and not internal threats. And the key to minimize the internal threats is to implement layered defense. The author suggested using the layered encryption as the technical security and forming the Insider Incident Response Team.

Conclusion: to build a secure system as a start in the cloud computing business, the new providers have to start from securing their internal system.

Key words: cloud computing, security, risk assessment