

THE PERFORMANCE EVALUATION OF THE CONTENT CENTRIC NETWORK
ON UNINET NETWORK

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M.Sc.(TECHNOLOGY OF INFORMATION SYSTEM MANAGEMENT)

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ABSTRACT

Content-centric networking (CCN) is new type of network architecture. This change from host-centric to content-centric has several attractive advantages such as network load reduction, low dissemination latency, and energy efficiency. This research built a network to study the behaviour of CCN. The installation compares the performance between the CCN network and the current network on the UniNet network.

The study shows that the workload of the central processing unit (CPU) and the traffic of the central server on UniNet are reduced by using the CCN technique. The central server sends the files to clients with the shortest path. In addition, when the size of files on CCNx version 0.6 is 1 - 40 Megabytes, the behaviour of the CCN network is according to the CCN technique.

KEY WORDS: CONTENT CENTRIC NETWORK (CCN) / INTERNET TRAFFIC
/ CENTRAL PROCESSING UNIT (CPU) / COMPARISON OF
INTERNET TRAFFIC

91 pages