UNIVERSITI TEKNOLOGI MARA

Performance Analysis of Virtual Chassis

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ABSTRACT

Traditionally, in the edge layer, there are a lot of numbers of routers called Broadband Remote Access Server been deployed on geographical location nationwide in order to provide customer internet services. In the converged network, layer of service and core in the primary core network demand very high and bigger capability in terms of metric and link capacity. The solution is to implement virtual chassis concept router on the edge layer of core network in order to cater on growing demand of user and simplified compared to existing topology.

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CHAPTER ONE

INTRODUCTION

1.1 Background Study

Telekom Malaysia, a service provider company that build and provide infrastructures for others 2nd tier service provider in Malaysia. They provide services to end user such as Streamyx and UniFi as well as to cater government network services.

For the internet services, they converged the network to provide triple play services such as internet, voice and video. This converged network is in the layer of services inside their core network.

In the core network, the link speeds and capabilities are constantly growing because of the expansion of user on the access side. With the growth of user in government and private sector, TM has come up with 2 different networks.

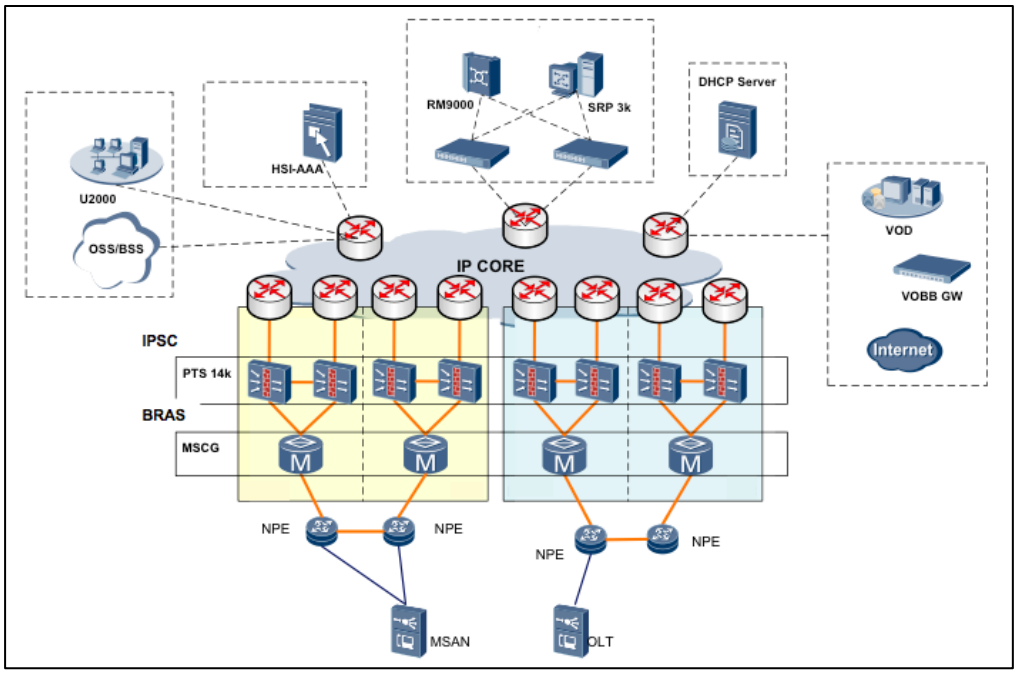

Figure 0.1: HSBB Architecture