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Highlights

HIGH AVAILABILITY ROUTER SWITCHOVER DECISION USING MONITORING AND POLICIES

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Abstract

High availability router switchover decision are described using monitoring and policies. In one example, available network routing parameters are monitored. A change of one of the network routing parameters is detected. A parameter matrix of network routing parameters is updated in response to the detected change. The changed network routing parameters are applied to a policy in response to updating the parameter matrix and a switchover request is sent to a standby network node when the policy is mite by the changed network routing parameter.

Background/Summary

TECHNICAL FIELD

[0001] The embodiments herein relate to data communications through networks and switching traffic over to a different node in the event of a network failure.

BACKGROUND

[0002] Network data communications have moved beyond asynchronous text and file transfer traffic to time-sensitive traffic such as streaming and interactive communications. At the same time many of the resources being used to carry the data are virtualized. A VNF (Virtual Network Function) may take the place of a hardware router. A VRRP (Virtual Router Redundancy Protocol) is used to assign routes through virtual routers denoting some virtual routers as masters and others as backups.