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RFC 3374

Title: Problem Description: Reasons For Performing
              Context Transfers Between Nodes in an IP Access
              Network
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In IP access networks that support host mobility, the routing paths
between the host and the network may change frequently and rapidly.
In some cases, the host may establish certain context transfer
candidate services on subnets that are left behind when the host
moves. Examples of such services are Authentication, Authorization,
and Accounting (AAA), header compression, and Quality of Service
(QoS). In order for the host to obtain those services on the new
subnet, the host must explicitly re-establish the service by
performing the necessary signaling flows from scratch. In some cases,
this process would considerably slow the process of establishing the
mobile host on the new subnet. An alternative is to transfer
information on the existing state associated with these services, or
context, to the new subnet, a process called "context transfer". This
document discusses the desirability of context transfer for
facilitating seamless IP mobility.

This document is a product of the Context Transfer, Handoff Candidate
Discovery, and Dormant Mode Host Alerting Working Group.

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