

Secure Mobile IP Communication

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Introduction

- Describes a solution called Secure Mobile IP (SecMIP) to provide mobile IP users secure access to their company's firewall protected virtual private network.
- The solution requires neither introducing new protocols nor to insert or modify network components. It only requires a slight adaptation of the end system communication software.
- The paper describes the concept, prototype implementation, and initial performance measurement results.

Overview of Mobile IP

- **Mobile Node (MN):** A host or router, which can change its point of attachment from one network or sub network to another. This change of location may not concern its (home) IP address. All ongoing communications can be maintained without any interrupt.
- **Home Agent (HA):** A router on the mobile node's home network that redirects any IP packets for the mobile node to its current location.
- **Foreign Agent (FA):** A router on a visited network providing routing services to the MN.
- **Correspondent Node (CN):** A host or a router with which MN wants to communicate.