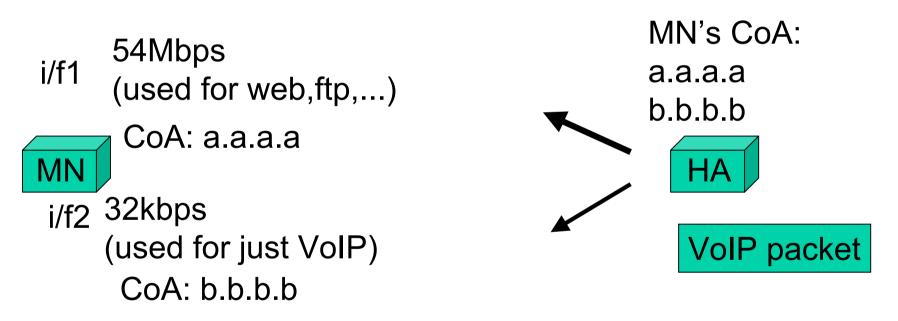


Nobuo Ogashiwa <ogashiwa@inetcore.com> Intec Netcore, Inc.,

Motivation1



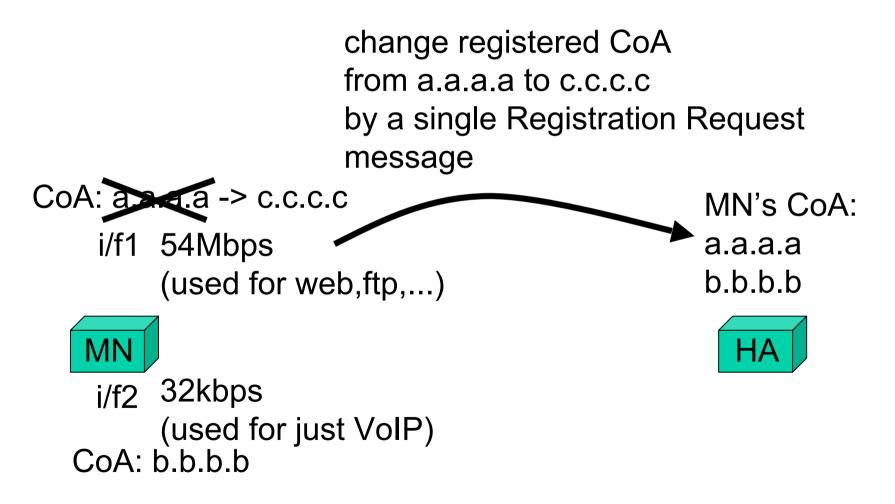
- Assumption
 - HA doesn't do bi-casting but split downstream traffic.
- HA should know bindings of CoA and MN's network interface to forward packets to the appropriate MN's network interface.



Should this packet be sent to a.a.a.a or b.b.b.b???



 change registered CoA by a single Registration Request message.



Extension



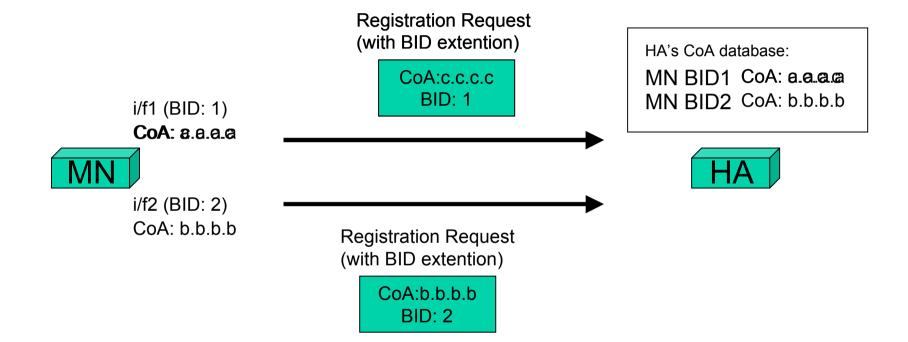
- This extension can be added by mobile mode and home agent to Registration Request and Registration Reply messages. This extension carries an identification of binding of a care-of address.
- The format of the Multiple Care-of Address Extension is simple extension structure defined in MIP4 specification [RFC3344]. This extension is not skippable.

Type: Type value for Binding Unique Identifier will be assigned later. An 8-bit identifier of the option.

Length: The value MUST be always 2.

Binding Unique ID (BID): The BID which is assigned to the binding carried in the Registration Request and Registration Reply. BID is 16-bit unsigned integer. A value of zero is reserved.







- No changes is requiered for deployed implementations and current MIP4 basic specification.
- Home Agent and Mobile Node that doesn't support the Multiple Care-of Address Extension MAY silently discard messages which include the Multiple Care-of Address Extension
- or alternatively, Home Agent MAY return error code 128 ("reason unspecified") defined in MIP4 specification [RFC3344].



• Accept as WG draft?