

Multiple Care-of Address Registration

draft-ietf-monami6-multiplecoa-01.txt

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Status

- draft-ietf-monami6-multiplecoa-01.txt
 - Missed deadline. The draft is currently queued.
- Updates
 - Adding a special value for “default binding” in the priority field. This value is used for “flow binding”
 - BID definition update
 - BID is assigned to each binding (not to interface)
 - Fix Typos

Comments from Jari

- Lack of failure detection scheme
 - Investigate other schemes co-operation
- Allow to use BID when single binding is active?
 - Yes
- The usage of the priority field
 - Flow filtering needs default binding
 - MN can use the priority value to pick one binding if no filtering scheme is available
- Verification whether CN supports MCoA or not
 - MN must set A flag in the first BU to CN
- RR timing issue
 - The current draft said that CoTI/HoTI should send before sending BU. The text will be updated.
- Blank security section

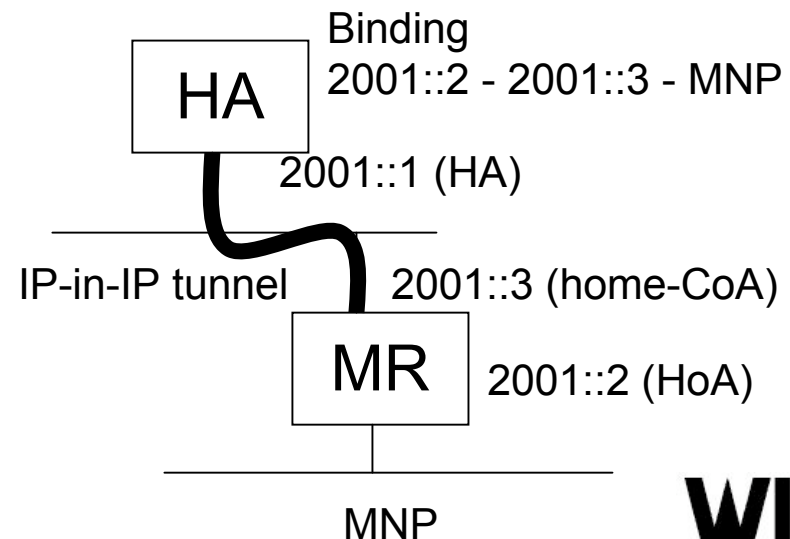
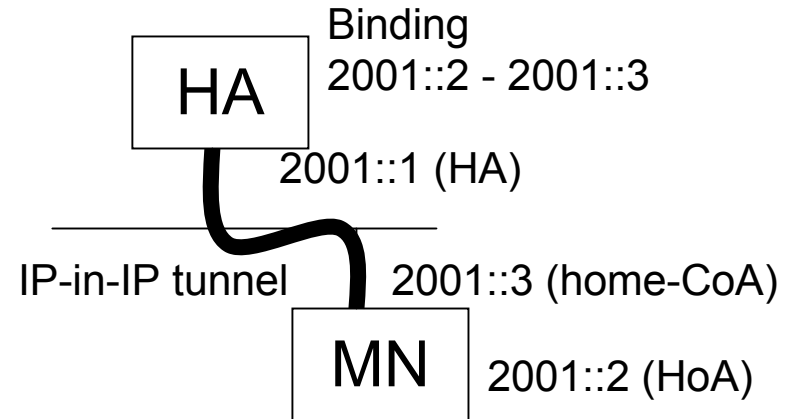
Bulk Registration

(Comments from Jari)

- The bulk registration is defined:
 - MN can carry **multiple** bindings in a single BU
- MN forgets BID due to unexpected reboot etc.
 - Changing the semantics of the bulk registration
 - In the bulk registration, MN must carry “**All the CoA**”. HA must replace all the binding with the new bindings
 - Adding add-on flag in MCoA sub-option. When MN wants to add a binding, MN set this flag on.
 - Removable flag is complicated..

Comments from Keigo

- When MN returns home, it creates CoA from its home prefix (Home-CoA) and registers it to HA
 - Advantage
 - MN can utilize an interface attached to the home link and other interfaces attached to foreign links
 - Issues
 - The definition of HoA and CoA (RFC3775) is modified.
 - MN starts NS for the destination located on the home link (bypass tunnel?)
 - Priority of NDP/Routing Table/Binding Cache??
 - I'm afraid of side-effect of this changes. (ex. IKE?, MR routing update, etc)



Operational Solution for returning home

- If a home link is multihomed (i.e. advertising one home prefix and another foreign prefix), similar configuration can be achieved

