Problem Statement:

Duplicate copies of remoteIP MOs is pushed to APIC by CNI increases processing time in APIC.

Proposed Solution:  
RemoteIp needs to be inside a container Mo. Each namespace and hpp will have a container Mo as child. A new n:1 relation is created from hpp to the container. Many different hpp can point to same container which will remove duplication.

This solves the problem of unnecessary large config pushed to ACI and optimizes APIC processing time with tradeoff of little complexity in the code.

What is needed in CNI and AIM?  
1. send remoteIP MO-set beneath a new container Mo.  
2. Create new relation Mo, from hpp to the container.

What is needed in Proxy?

Proxy needs to resolve remoteIp from the containerMo.

What is needed in Opflex agent?

No change.