Abstract

LEO satellites have important advantages such as low power requirements, low propagation
delay and more efficient spectrum delay over MEO and GEO satellites. But, the handover management in LEO satellite becomes challenging for supporting global mobile communication. Here we propose cost analysis of a new method of introducing a location manager which will store the previous ip s depending on users choice and comparing the new ip address with the stored one and taking the decision whether to register or not. This method also reduces the binding updates and the packet loss during communication. It is the most useful process when the previous ip addresses are repeated for several times during a short span.

References

- L. Strand, &quot;Linux mobile IPv6 HOWTO,&quot; Apr. 2004.
- Satellite Mobility Pattern Scheme for Centrally and Seamless Handover Management in LEO SatelliteNetworksAyşegül Tuyşuz and Fatih Alagöz

**Index Terms**

Computer Science  
Wireless Communications

**Keywords**

Low Earth Orbit (leo)  
Propagation Delay  
Location Manager  
Satellite Networks  
Binding
Update