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Discussing Mobile IP 24 Drawbacks - Fixed home location, must exist and be available (the agent) - May incur around-the-globe communication to find mobile devices - Does not support well long-term or definitive relocation Forwarder Paradigm - Typical example of a forwarder paradigm - Only works well: · For limited and transient mobility · For persistent long-live homes - Would require a complex overall solution · Short-cut forwarders, updating name servers · Reclaim forwarders, making effectively the changing address the identity · But requires something like distributed garbage collection · Quite difficult given that IP addresses and names may be written on a piece of paper Olivier.Gruber@inria.fr





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• Dynamic Set of Nodes	
- Nodes may join or lea	ve the DHT
 No global knowledg 	e, synchronization or management
 No single point of 	failure
 Fully scalable 	
• Uniform distributio	on of resources across nodes
• Case Study: Chord Sys	tem
- I. Stoica et al (2001)	
Chord, A Scalable I	Peer-to-Peer Lookup Service for Internet Applications
 IEEE-ACM Trans or 	n Networking
 http://pdos.csail.mit. 	edu/chord/papers/paper-ton.pdf
	Official Cardia Cardia Cardia

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