



Introduction
<u>Definition:</u> The use of portable computer devices to connect to business computer networks by means of wireless connections. (Bitpipe)
<ul> <li>users carrying portable devices have access to data and information services regardless of their physical location or movement behavior.</li> </ul>













Existing Middleware	
<ul> <li>Tuple space systems that act as a repository of data structures called tuples that process can concurrently access.</li> <li>Communication is de-coupled so that senders and receivers do not need to be available at the same time.(Lime, TSpace)</li> </ul>	
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New Approaches	
Interact directly with the underlying network OS to extract location	
<ul> <li>BUT: do not cope with the coordinate system such as Global Positioning System (GPS)</li> </ul>	
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GPS	
<ul><li>GPS provides a wide area coverage</li><li>Uses low-orbit satellites and covers the entire earth.</li></ul>	
<u>Disadvantages:</u> <ul> <li>Coverage is limited</li> <li>Cannot penetrate through most buildings</li> </ul>	
<u>Usability:</u> <ul> <li>Mostly in navigation systems</li> <li>Little use in other applications</li> </ul>	
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