











Resource Migration Actions						
Resource-to machine binding						
		Unattached	Fastened	Fixed		
Process-to-	By identifier	MV (or GR)	GR (or MV)	GR		
resource	By value	CP (or MV, GR)	GR (or CP)	GR		
binding	By type	RB (or GR, CP)	RB (or GR, CP)	RB (or GR)		
 Actions to be taken with respect to the references to local resources when migrating code to another machine. GR: establish global system-wide reference MV: move the resources CP: copy the resource RB: rebind process to locally available resource 						
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Software Agents in Distributed Systems

Property	Common to all agents?	Description	
Autonomous	Yes	Can act on its own	
Reactive	Yes	Responds timely to changes in its environment	
Proactive	Yes	Initiates actions that affects its environment	
Communicative	Yes	Can exchange information with users and other agents	
Continuous	No	Has a relatively long lifespan	
Mobile	No	Can migrate from one site to another	
Adaptive	No	Capable of learning	

• Some important properties by which different types of agents can be distinguished.

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