

Context Definitions of the Mobile and Context-Aware Applications LPS

Name: Cellular Network

Expression: (Network.Type = Cellular)

Name: Common Ontology

Expression: (Network.Ontology Representation = Common)

Name: Ontology Present

Expression: (Network.Ontology Representation = True)

Name: Device Overloaded

Expression: (Mobile Device.CPU Usage >= 80)

Name: Low Battery

Expression: (Mobile Device.Battery <= 20)

Name: Dedicated Server

Expression: (Network.Server = Dedicated)

Name: Low Latency

Expression: (Network.Latency = Low)

Name: Server Overloaded

Expression: (Network.Server = Overloaded)

Name: High Latency

Expression: (Network.Latency = High)

Name: Server not Overloaded

Expression: (Network.Server = Not Overloaded)

Name: ADHOC Network

Expression: (Network.Type = ADHOC)

Name: Low Mobility

Expression: (Mobile Device.Mobility Level = Low)

Name: High Mobility

Expression: (Mobile Device.Mobility Level = High)

Name: High Security

Expression: (Network.Security = High)

Name: Low Security

Expression: (Network.Security = Low)

Name: ADHOC with High Mobility

Expression: ((Network.Type = ADHOC) AND (Mobile Device.Mobility Level = High))

Name: ADHOC with Low Mobility

Expression: ((Network.Type = ADHOC) AND (Mobile Device.Mobility Level = High))

Name: ADHOC with High Security

Expression: ((Network.Type = ADHOC) AND (Network.Security = High))

Name: ADHOC with Low Security

Expression: ((Network.Type = ADHOC) AND (Network.Security = Low))

Name: Cellular Network with High Latency

Expression: ((Network.Type = Cellular) AND ((Network.Server = Overloaded) OR (Network.Latency = High)))

Name: Cellular Network with Low Latency

Expression: ((Network.Type = Cellular) AND ((Network.Server = not Overloaded) OR (Network.Latency = Low)))

Name: Cellular Network with Dedicated Server

Expression: ((Network.Type = Cellular) AND (Network.Server = Dedicated))

Name: Cellular Network Overloaded

Expression: ((Network.Type = Cellular) AND ((Mobile Device.Battery <= 20) OR (Mobile Device.CPU Usage >= 80)))