



## Valid Classes, Instances, and Events

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[Table E-1](#) lists the most commonly used classes, instances, and events supported by DFM.

Use these selections to control the events you want DFM to maintain by:

- [Editing your subscription profile](#) (see the “[Changing Your Subscription Profile](#)” section on page 13-22).
- [Editing the Notification Adapter configuration files](#) (see the “[Changing Subscriptions for Notification Adapters](#)” section on page 10-10).



### Note

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The class `ICIM_UnitaryComputerSystem` represents the following system classes: Bridge, Host, Hub, MSFC, Router, RSFC, RSM and Switch. You can subscribe to any of these system classes individually (such as Router, Switch, and so forth), or subscribe to the class `ICIM_UnitaryComputerSystem` when you want to subscribe to events on all of these system classes.

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Table E-1 Supported Subscription Classes, Instances, and Events

Class	Instance	Event (Symptom/Compound)
ICIM_UnitaryComputerSystem	.*	DiscoveryError (S)
	.*	ErrorException (C)
	.*	HighErrorRate (S)
	.*	OperationalException (C)
	.*	BackupActivated (S)
	.*	ExceededMaximumUptime (S)
	.*	ExcessiveRestarts (S)
	.*	Flapping (S)
	.*	OperationallyDown (S)
	.*	Unresponsive (S)
	.*	InvalidResponse <sup>1</sup> (S)
	.*	PerformanceException (C)
	.*	HighBroadcastRate (S)
	.*	HighCollisionRate (S)
	.*	HighDiscardRate (S)
	.*	HighQueueDropRate (S)
	.*	HighUtilization (S)
	.*	PowerSupplyException (C)
	.*	VoltageOutOfRange (S)
	.*	VoltageStateNotNormal (S)
	.*	PowerSupplyStateNotNormal (S)
	.*	ResourceException (C)
	.*	ExcessiveFragmentation (S)
	.*	HighBufferMissRate (S)
	.*	HighBufferUtilization (S)
	.*	HighUtilization (S)
	.*	InsufficientFreeMemory (S)

**Table E-1 Supported Subscription Classes, Instances, and Events (continued)**

Class	Instance	Event (Symptom/Compound)
ICIM_UnitaryComputerSystem (continued)	.*	TemperatureException (C)
	.*	FanStateNotNormal (S)
	.*	TemperatureOutOfRange (S)
	.*	TemperatureStateNotNormal (S)
	.*	Unresponsive (S)
Card	.*	OperationallyDown (S)
Chassis	.*	BackplaneUtilizationException (C)
	.*	HighBackplaneUtilization (S)
	.*	OperationallyDown (S)
Chassis_Performance	.*	BackplaneUtilizationException (C)
	.*	HighBackplaneUtilization (S)
Chassis_Performance_CiscoStack	.*	BackplaneUtilizationException (C)
	.*	HighBackplaneUtilization (S)
CPU_Performance_CiscoRouter	.*	HighUtilization (S)
Disk	.*	OperationalException (C)
	.*	OperationallyDown (S)
<b>Note</b> This threshold is supported only if you have downloaded and installed the latest Incremental Device Update (IDU) from the DFM download site: <a href="http://www.cisco.com/cgi-bin/tablebuild.pl/cw2000-dfm">http://www.cisco.com/cgi-bin/tablebuild.pl/cw2000-dfm</a> .	.*	OperationallyDown (S)
DuplicateIP	.*	Duplicate (S)

**Table E-1 Supported Subscription Classes, Instances, and Events (continued)**

<b>Class</b>	<b>Instance</b>	<b>Event (Symptom/Compound)</b>
EthernetAdapter_Performance	.*	PerformanceException (C)
	.*	HighBroadcastRate (S)
	.*	HighCollisionRate (S)
	.*	HighDiscardRate (S)
	.*	HighQueueDropRate (S)
	.*	HighUtilization (S)
	.*	ErrorException (C)
	.*	HighErrorRate (S)
Event	.*	InformAlarm (S)
	.*	MinorAlarm (S)
	.*	MajorAlarm (S)
Fan_Fault	.*	StateNotNormal (S)
Fan_Fault_CiscoEnvMon	.*	StateNotNormal (S)
Fan_Fault_CiscoLS1010	.*	StateNotNormal (S)
Fan_Fault_CiscoStack	.*	StateNotNormal (S)
FTPSERVICE	.*	Unresponsive (S)
HTTPSERVICE	.*	Unresponsive (S)
Interface_Fault_MIB2	.*	AdministrativelyDown (S)
	.*	BackupActivated (S)
	.*	ExceededMaximumUptime (S)
	.*	Flapping (S)
	.*	OperationallyDown (S)

**Table E-1 Supported Subscription Classes, Instances, and Events (continued)**

<b>Class</b>	<b>Instance</b>	<b>Event (Symptom/Compound)</b>
Interface_Performance_CiscoRouter	.*	PerformanceException (C)
	.*	HighBroadcastRate (S)
	.*	HighCollisionRate (S)
	.*	HighDiscardRate (S)
	.*	HighQueueDropRate (S)
	.*	HighUtilization (S)
	.*	ErrorException (C)
	.*	HighErrorRate (S)
Interface_Performance_CiscoRouter_Ethernet	.*	HighBroadcastRate (S)
	.*	HighDiscardRate (S)
	.*	HighQueueDropRate (S)
	.*	HighUtilization (S)
	.*	ErrorException (C)
	.*	HighErrorRate (S)
Interface_Performance_MIB2	.*	HighBroadcastRate (S)
	.*	HighDiscardRate (S)
	.*	HighQueueDropRate (S)
	.*	HighUtilization (S)
	.*	ErrorException (C)
	.*	HighErrorRate (S)
Memory_Performance	.*	ExcessiveFragmentation (S)
	.*	HighBufferMissRate (S)
	.*	HighBufferUtilization (S)
	.*	InsufficientFreeMemory (S)

**Table E-1 Supported Subscription Classes, Instances, and Events (continued)**

<b>Class</b>	<b>Instance</b>	<b>Event (Symptom/Compound)</b>
Memory_Performance_CiscoRouter	.*	ExcessiveFragmentation (S)
	.*	HighBufferMissRate (S)
	.*	HighBufferUtilization (S)
	.*	InsufficientFreeMemory (S)
NetworkAdapter_Fault	.*	AdministrativelyDown (S)
	.*	BackupActivated (S)
	.*	ExceededMaximumUptime (S)
	.*	Flapping (S)
	.*	OperationallyDown (S)
NetworkAdapter_Fault_MIB2	.*	AdministrativelyDown (S)
	.*	BackupActivated (S)
	.*	ExceededMaximumUptime (S)
	.*	Flapping (S)
	.*	OperationallyDown (S)
NetworkAdapter_Fault_SNMP	.*	AdministrativelyDown (S)
	.*	BackupActivated (S)
	.*	ExceededMaximumUptime (S)
	.*	Flapping (S)
	.*	OperationallyDown (S)
NetworkAdapter_Performance	.*	HighBroadcastRate (S)
	.*	HighDiscardRate (S)
	.*	HighQueueDropRate (S)
	.*	HighUtilization (S)
	.*	ErrorException (C)
	.*	HighErrorRate (S)

Table E-1 Supported Subscription Classes, Instances, and Events (continued)

Class	Instance	Event (Symptom/Compound)
Port_Fault_MIB2	.*	AdministrativelyDown (S)
	.*	BackupActivated (S)
	.*	ExceededMaximumUptime (S)
	.*	Flapping (S)
	.*	OperationallyDown (S)
Port_Fault_MIB2Repeater	.*	AdministrativelyDown (S)
	.*	BackupActivated (S)
	.*	ExceededMaximumUptime (S)
	.*	Flapping (S)
	.*	OperationallyDown (S)
Port_Performance_MIB2	.*	HighBroadcastRate (S)
	.*	HighDiscardRate (S)
	.*	HighQueueDropRate (S)
	.*	HighUtilization (S)
	.*	ErrorException (C)
	.*	HighErrorRate (S)
Port_Performance_dot3_Ethernet	.*	ErrorException (C)
	.*	HighErrorRate (S)
	.*	PerformanceException (C)
	.*	HighBroadcastRate (S)
	.*	HighCollisionRate (S)
	.*	HighDiscardRate (S)
	.*	HighQueueDropRate (S)
	.*	HighUtilization (S)
PowerSupply_Fault	.*	StateNotNormal (S)
PowerSupply_Fault_CiscoEnvMon	.*	StateNotNormal (S)
PowerSupply_Fault_CiscoLS1010	.*	StateNotNormal (S)

**Table E-1 Supported Subscription Classes, Instances, and Events (continued)**

<b>Class</b>	<b>Instance</b>	<b>Event (Symptom/Compound)</b>
PowerSupply_Fault_CiscoStack	.*	StateNotNormal (S)
Processor_Performance	.*	HighUtilization (S)
Rack	.*	OperationallyDown (S)
SMTPService	.*	Unresponsive (S)
SNMPAgent	.*	Unresponsive (S)
SNMPTrap	.*	InformAlarm (S)
	.*	MinorAlarm (S)
	.*	MajorAlarm (S)
SNMPAgent_Fault	.*	RepeatedRestarts (S)
SNMPAgent_Fault_MIB2	.*	RepeatedRestarts (S)
TemperatureSensor_Fault	.*	OutOfRange (S)
	.*	StateNotNormal (S)
TemperatureSensor_Fault_CiscoEnvMon	.*	OutOfRange (S)
	.*	StateNotNormal (S)
TemperatureSensor_Fault_CiscoLS1010	.*	OutOfRange (S)
	.*	StateNotNormal (S)
TemperatureSensor_Fault_CiscoStack	.*	OutOfRange (S)
	.*	StateNotNormal (S)

**Table E-1 Supported Subscription Classes, Instances, and Events (continued)**

<b>Class</b>	<b>Instance</b>	<b>Event (Symptom/Compound)</b>
VLAN	.*	ErrorException (C)
	.*	HighErrorRate (S)
	.*	OperationalException (C)
	.*	BackupActivated (S)
	.*	ExceededMaximumUptime (S)
	.*	ExcessiveRestarts (S)
	.*	Flapping (S)
	.*	OperationallyDown (S)
	.*	Unresponsive (S)
	.*	PerformanceException (C)
	.*	HighBroadcastRate (S)
	.*	HighCollisionRate (S)
	.*	HighDiscardRate (S)
	.*	HighQueueDropRate (S)
	.*	HighUtilization (S)
VoltageSensor_Fault	.*	OutOfRange (S)
	.*	StateNotNormal (S)
VoltageSensor_Fault_CiscoEnvMon	.*	OutOfRange (S)
	.*	StateNotNormal (S)
VoltageSensor_Fault_CiscoLS1010	.*	OutOfRange (S)

1. The InvalidResponse symptom is supported only if you have downloaded and installed the latest Incremental Device Update (IDU) from the DFM download site: <http://www.cisco.com/cgi-bin/tablebuild.pl/cw2000-dfm>.