

Sun Microsystems hardware sensors - SNMP table

enterprise	.1.3.6.1.4.1		
sun	.42		
products	.2		
sunFire	.70		
sunPlatMIB	.101		
sunPlatMIBObjects	.1		
sunPlatMIMPhysicalObjects	.1		
sunPlatStartTime	.1	.1.3.6.1.4.1.42.2.70.101.1.1.1	
sunPlatEquipmentTable	.2	.1.3.6.1.4.1.42.2.70.101.1.1.2	
sunPlatEquipmentEntry	.1		
sunPlatEquipmentAdministrativeState			.1
sunPlatEquipmentOperationalState			.2
sunPlatEquipmentAlarmStatus			.3
sunPlatEquipmentUnknownStatus			.4
sunPlatEquipmentLocationName			.5
sunPlatEquipmentHolderTable	.3	.1.3.6.1.4.1.42.2.70.101.1.1.3	
sunPlatEquipmentHolderEntry	.1		
sunPlatEquipmentHolderType			.1
sunPlatEquipmentHolderAcceptableTypes			.2
sunPlatEquipmentHolderStatus			.3
sunPlatEquipmentHolderPowered			.4
sunPlatCircuitPackTable	.4	.1.3.6.1.4.1.42.2.70.101.1.1.4	
sunPlatCircuitPackEntry	.1		
			SKIPPED. NOT VERY INTERESTING AT THIS TIME

sunPlatPhysicalTable	.5	.1.3.6.1.4.1.42.2.70.101.1.1.5	
sunPlatPhysicalEntry	.1		
		sunPlatPhysicalClass	.1
sunPlatSensorTable	.6	.1.3.6.1.4.1.42.2.70.101.1.1.6	
sunPlatSensorEntry	.1		
		sunPlatSensorClass	.1
		sunPlatSensorType	.2
		sunPlatSensorLatency	.3
sunPlatBinarySensorTable	.7	.1.3.6.1.4.1.42.2.70.101.1.1.7	
sunPlatBinarySensorEntry	.1		
		sunPlatBinarySensorCurrent	.1
		sunPlatBinarySensorExpected	.2
		sunPlatBinarySensorInterpretTrue	.3
		sunPlatBinarySensorInterpretFalse	.4
sunPlatNumericSensorTable	.8	.1.3.6.1.4.1.42.2.70.101.1.1.8	
sunPlatNumericSensorEntry	.1		
		sunPlatNumericSensorBaseUnits	.1
		sunPlatNumericSensorExponent	.2
		sunPlatNumericSensorRateUnits	.3
		sunPlatNumericSensorCurrent	.4
		sunPlatNumericSensorNormalMin	.5
		sunPlatNumericSensorNormalMax	.6
		sunPlatNumericSensorAccuracy	.7
		sunPlatNumericSensorLowerThresholdNonCritical	.8
		sunPlatNumericSensorUpperThresholdNonCritical	.9
		sunPlatNumericSensorLowerThresholdCritical	.10
		sunPlatNumericSensorUpperThresholdCritical	.11
		sunPlatNumericSensorLowerThresholdFatal	.12
		sunPlatNumericSensorUpperThresholdFatal	.13
		sunPlatNumericSensorHysteresis	.14
		sunPlatNumericSensorEnabledThresholds	.15

	sunPlatNumericSensorRestoreDefaultThresholds		.16
sunPlatDiscreteSensorTable	.9	.1.3.6.1.4.1.42.2.70.101.1.1.9	
sunPlatDiscreteSensorEntry	.1		
	sunPlatDiscreteSensorCurrent		.1
sunPlatDiscreteSensorStatesTable	.10	.1.3.6.1.4.1.42.2.70.101.1.1.10	
sunPlatDiscreteSensorStatesEntry	.1		
	sunPlatDiscreteSensorStatesIndex		.1
	sunPlatDiscreteSensorStatesInterpretation		.2
	sunPlatDiscreteSensorStatesAcceptable		.3

Interesting piece of information about .3 in this table:

This attribute describes whether this value is acceptable as defined for CIM_DiscreteSensor.AcceptableValues. It relies on "CIM v2.5 Schema, CIM_DiscreteSensor.AcceptableValues"

Quoted from the Sun Platform MIB:

An entry in the Discrete Sensor States Table. Each entry in this table represents a possible sensor state for the corresponding sensor in the Discrete Sensor Table. The current state of the sensor is indicated by the value of sunPlatDiscreteSensorCurrent for the corresponding sunPlatDiscreteSensorTable entry.

Meaning:

sunPlatDiscreteSensorStatesTable contains all possible values that can be assumed by a sensor entry from sunPlatDiscreteSensorTable. Say for example that we're interested in sensor .1.3.6.1.4.1.42.2.70.101.1.1.9.5. Then sunPlatDiscreteSensorStatesTable.5 would have subobjects .1, .2 and .3 which refer to said sensor.

sunPlatFanTable	.11	.1.3.6.1.4.1.42.2.70.101.1.1.11	
sunPlatFanEntry	.1		
	sunPlatFanEntry		.1

sunPlatAlarmTable	.12	.1.3.6.1.4.1.42.2.70.101.1.1.12
sunPlatAlarmEntry	.1	
	sunPlatAlarmType	.1
	sunPlatAlarmState	.2
	sunPlatAlamUrgency	.3

Interestng piece of information about .2 in this table:

Possible values for the state are defined in CIM_AlarmDevice.AlarmState, according to Sun's MIB file. However, I have found clues that this is in fact -not- true and that Sun has deviated from these standard values. More info to follow soon.

sunPlatWatchdogTable	.13	.1.3.6.1.4.1.42.2.70.101.1.1.13
sunPlatWatchdogEntry	.1	
	sunPlatWatchdogTimeout	.1
	sunPlatWatchdogAction	.2
	sunPlatWatchdogLastExpired	.3
	sunPlatWatchdogMonitoredEntity	.4

sunPlatPowerSupplyTable	.14	.1.3.6.1.4.1.42.2.70.101.1.1.14
sunPlatPowerSuplyEntry	.1	
	sunPlatPowerSupplyClass	.1

sunPlatBatteryTable	.15	.1.3.6.1.4.1.42.2.70.101.1.1.15
sunPlatBatteryEntry	.1	
	sunPlatBatteryStatus	.1