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1  // Copyright (c) 2007 DMTF. All rights reserved.
2  // =====
3  // CIM_PrintOutputTray
4  // =====
5
6  [Experimental, Version ( "2.15.0" ), Description (
7      "Subunit: Output tray on a printer (print device). Properties "
8      "of a device capable of receiving media delivered from the "
9      "printing process." ) ,
10     UMLPackagePath ( "CIM::Device::Printing" )]
11 class CIM_PrintOutputTray : CIM_ManagedElement {
12
13     [Key, Description (
14         "The CreationClassName of the scoping printer. The "
15         "OutputTray is defined in the context of a CIM_Printer, "
16         "where it is hosted or to which it applies." ),
17         MinLen ( 0 ), MaxLen ( 255 )]
18     string PrinterCreationClassName;
19
20     [Key, Description (
21         "An identifying name of the scoping Printer. The OutputTray "
22         "is defined in the context of a CIM_Printer, where it is "
23         "hosted or to which it applies." ),
24         MinLen ( 0 ), MaxLen ( 255 ),
25         ModelCorrespondence { "CIM_Printer.PrinterName" }]
26     string PrinterName;
27
28     [Key, Description (
29         "Indicates the name of the class or the subclass used in the "
30         "creation of an instance. When used with the other key "
31         "properties of this class, it allows all instances of this "
32         "class and its subclasses to be uniquely identified." ),
33         MinLen ( 0 ), MaxLen ( 255 )]
34     string CreationClassName;
35
36     [Key, Description (
37         "A unique value used by this printer to identify this output "
38         "subunit. Although these values may change due to a major "
39         "reconfiguration of the subunit (e.g., the addition of new "
40         "output devices to the printer), values SHOULD remain stable "
41         "across successive printer power cycles." ),
42         MinValue ( 1 ), MaxValue ( 65535 ),
43         MappingStrings { "MIB.IETF|Printer-MIB.prtOutputIndex" }]
44     uint32 Id;
45
46     [Description (
47         "The type of technology supported by this output tray "
48         "subunit." ),
49         ValueMap { "1", "2", "3", "4", "5", "6", "7" },
50         Values { "Other", "Unknown", "RemovableBin", "UnRemovableBin",
51             "ContinuousRollDevice", "MailBox", "ContinuousFanFold" },
52         MappingStrings { "MIB.IETF|Printer-MIB.prtOutputType",
53             "MIB.IETF|IANA-PRINTER-MIB.PrtOutputTypeTC" }]
54     uint32 Type;
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55
56     [Description (
57         "A free-form string that describes the type of technology "
58         "when the value of the Type property is equal to 1 (Other)."),
59     MinLen ( 0 ), MaxLen ( 255 )]
60     string OtherType;
61
62     [Description (
63         "The unit of measurement for use in calculating and relaying "
64         "capacity values for this output tray subunit."),
65     ValueMap { "1", "2", "3", "4", "8", "16", "17", "18", "19" },
66     Values { "Other", "Unknown", "TenThousandthsOfInches",
67         "Micrometers", "Sheets", "Feet", "Meters", "Items",
68         "Percent" },
69     MappingStrings { "MIB.IETF|Printer-MIB.prtOutputCapacityUnit",
70         "MIB.IETF|Printer-MIB.PrtCapacityUnitTC" }]
71     uint32 CapacityUnit;
72
73     [Description (
74         "A free-form string that describes the capacity unit when "
75         "the value of the CapacityUnit property is equal to 1 "
76         "(Other)."),
77     MinLen ( 0 ), MaxLen ( 255 )]
78     string OtherCapacityUnit;
79
80     [Write, Description (
81         "The maximum capacity of this output tray subunit. There is "
82         "no convention associated with the media itself so this "
83         "value essentially reflects claimed capacity. If this output "
84         "tray subunit can reliably sense this value, the value is "
85         "sensed by the printer and may not be changed by management "
86         "requests; otherwise, the value may be written (by a Remote "
87         "Control Panel or a Management Application). The value (-1) "
88         "means other and specifically indicates that the subunit "
89         "places no restrictions on this parameter. The value (-2) "
90         "means unknown."),
91     MinValue ( -2 ), MaxValue ( 2147483647 ),
92     MappingStrings { "MIB.IETF|Printer-MIB.prtOutputMaxCapacity",
93         "MIB.IETF|Printer-MIB.prtOutputCapacityUnit",
94         "MIB.IETF|Printer-MIB.PrtCapacityUnitTC" }]
95     sint32 MaxCapacity;
96
97     [Write, Description (
98         "The remaining capacity of this output tray subunit. If this "
99         "output tray subunit can reliably sense this value, the "
100         "value is sensed by the printer and may not be modified by "
101         "management requests; otherwise, the value may be written "
102         "(by a Remote Control Panel or a Management Application). "
103         "The value (-1) means other and specifically indicates that "
104         "the subunit places no restrictions on this parameter. The "
105         "value (-2) means unknown. The value (-3) means that the "
106         "printer knows that there remains capacity for at least one "
107         "unit."),
108     MinValue ( -3 ), MaxValue ( 2147483647 ),
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109         MappingStrings {
110             "MIB.IETF|Printer-MIB.prtOutputRemainingCapacity",
111             "MIB.IETF|Printer-MIB.prtOutputCapacityUnit",
112             "MIB.IETF|Printer-MIB.PrtCapacityUnitTC" }]
113     sint32 RemainingCapacity;
114
115     [Description (
116         "Status: Assessment of the availability of this printer "
117         "subunit."),
118     ValueMap { "1", "2", "3", "4", "5", "6", "7" },
119     Values { "Unknown", "AvailableIdle", "AvailableStandby",
120             "AvailableActive", "AvailableBusy", "UnavailableOnRequest",
121             "UnavailableBroken" },
122     MappingStrings { "MIB.IETF|Printer-MIB.PrtSubUnitStatusTC" }]
123     uint32 StatusAvailability;
124
125     [Description (
126         "Status: If true, there are currently non-critical alerts on "
127         "this printer subunit."),
128     MappingStrings { "MIB.IETF|Printer-MIB.PrtSubUnitStatusTC" }]
129     boolean StatusNonCriticalAlerts;
130
131     [Description (
132         "Status: If true, there are currently critical alerts on "
133         "this printer subunit."),
134     MappingStrings { "MIB.IETF|Printer-MIB.PrtSubUnitStatusTC" }]
135     boolean StatusCriticalAlerts;
136
137     [Description (
138         "Status: If true, the current state is offline on this "
139         "printer subunit."),
140     MappingStrings { "MIB.IETF|Printer-MIB.PrtSubUnitStatusTC" }]
141     boolean StatusOffline;
142
143     [Description (
144         "Status: If true, the current state is transitioning from "
145         "one value to another on this printer subunit."),
146     MappingStrings { "MIB.IETF|Printer-MIB.PrtSubUnitStatusTC" }]
147     boolean StatusTransitioning;
148
149     [Write, Description (
150         "The name assigned to this output tray subunit."),
151     MinLen ( 0 ), MaxLen ( 63 ),
152     MappingStrings { "MIB.IETF|Printer-MIB.prtOutputName" }]
153     string AdminName;
154
155     [Description (
156         "A free-form text description of this output tray subunit in "
157         "the localization specified by "
158         "CIM_Printer.CurrentNaturalLanguage."),
159     MinLen ( 0 ), MaxLen ( 255 ),
160     MappingStrings { "MIB.IETF|Printer-MIB.prtOutputDescription",
161                     "MIB.IETF|Printer-MIB.PrtLocalizedDescriptionStringTC" }]
162     string LocalizedDescription;
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163
164     [Write, Description (
165         "The current state of the stacking order for the associated "
166         "output tray subunit. 'FirstToLast' means that as pages are "
167         "output the front of the next page is placed against the "
168         "back of the previous page. 'LasttoFirst' means that as "
169         "pages are output the back of the next page is placed "
170         "against the front of the previous page."),
171     ValueMap { "2", "3", "4" },
172     Values { "Unknown", "FirstToLast", "LastToFirst" },
173     MappingStrings { "MIB.IETF|Printer-MIB.prtOutputStackingOrder",
174         "MIB.IETF|Printer-MIB.PrtOutputStackingOrderTC" }]
175     uint32 StackingOrder;
176
177     [Write, Description (
178         "The reading surface that will be 'up' when pages are "
179         "delivered to the associated output tray subunit. Values are "
180         "faceUp and faceDown. (Note: interpretation of these values "
181         "is in general context-dependent based on locale; "
182         "presentation of these values to an end-user should be "
183         "normalized to the expectations of the user)."),
184     ValueMap { "3", "4" },
185     Values { "FaceUp", "FaceDown" },
186     MappingStrings {
187         "MIB.IETF|Printer-MIB.prtOutputPageDeliveryOrientation",
188         "MIB.IETF|Printer-MIB.PrtOutputPageDeliveryOrientationTC" }]
189     uint32 PageDeliveryOrientation;
190
191     [Write, Description (
192         "This property indicates that the output tray supports "
193         "offset stacking, and if so, whether the feature is enabled. "
194         "See RFC 3805 Appendix A, Glossary Of Terms, for how Offset "
195         "Stacking is defined by this document."),
196     ValueMap { "3", "4", "5" },
197     Values { "On", "Off", "NotPresent" },
198     MappingStrings { "MIB.IETF|Printer-MIB.prtOutputOffsetStacking",
199         "MIB.IETF|Printer-MIB.PresentOnOff" }]
200     uint32 OffsetStacking;
201 };
202
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