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// ================================================================
//   CIM_PrintServiceSettings
// ================================================================
   [Experimental, Version ( "2.21.0" ),
    UMLPackagePath ( "CIM::Device::Printing" ),
    Description (
        "The single instance of SettingData for a PrintService which "
        "corresponds to xxx-default attributes of an IPP Printer. \n"
        "See: Section 2.1 Printer Object in IPP Model (RFC 2911) \n"
        "See: Section 4.4 Printer Description Attributes in IPP Model "
        "(RFC 2911). \n"
        "Note: An instance of PrintServiceSettings shall be associated "
        "with exactly one instance of PrintService via an instance of "
        "the ElementSettingData association." )]

class CIM_PrintServiceSettings : CIM_SettingData {

      [Description (
        "The default number of copies for each PrintJob "
        "processed by the associated PrintService." ),
        MinValue ( 1 ),
        MaxValue ( 2147483647 ),
        MappingStrings {
            "RFC2911.IETF|Section 4.2.5 copies" }]
   uint32 Copies;

      [Description (
        "The default document format (MIME type) for each PrintJob "
        "processed by the associated PrintService." ),
        MappingStrings {
            "RFC2911.IETF|Section 4.4.21 document-format-default" }]
   string DocumentFormat;

      [Description (
        "The default array of named finishings for each PrintJob "
        "processed by the associated PrintService. "
        "That is the set of named finishing operations to perform, "
        "e.g., 'staple' or 'bind'." ),
        MappingStrings {
            "RFC2911.IETF|Section 4.2.6 finishings" }]
   string Finishings[];

      [Description (
        "The default named job hold until for each PrintJob "
        "processed by the associated PrintService. "
        "That is, the named time period when the PrintJob may be "
        "scheduled, e.g., 'night' or 'weekend'. "
        "The value 'no-hold' indicates immediate scheduling." ),
        MappingStrings {
            "RFC2911.IETF|Section 4.2.2 job-hold-until" }]
   string JobHoldUntil;

      [Description (
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        "The default priority for each PrintJob "
        "processed by the associated PrintService. "
        "The value 1 indicates the lowest possible priority. "
        "The value 100 indicates the highest possible priority." ),
     MinValue ( 1 ),
     MaxValue ( 100 ),
     MappingStrings {
         "RFC2911.IETF|Section 4.2.1 job-priority" }]
  uint32 JobPriority;

  [Description (
        "The default named start/end sheets for each PrintJob "
        "processed by the associated PrintService. "
        "The value 'none' indicates no job start/end sheets. "
        "The value 'standard' indicates one or more site specific "
        "standard job sheets." ),
     MappingStrings {
         "RFC2911.IETF|Section 4.2.3 job-sheets" }]
  string JobSheets;

  [Description (
        "The default named output media for each PrintJob "
        "processed by the associated PrintService. \n"
        "Note: Values should conform to the requirements of "
        "PWG Media Standardized Names specification [PWG5101.1], "
        "e.g., 'na_letter_8.5x11in' or 'custom_poster_18x36in'." ),
     MappingStrings { "PWG5101-1.PWG|Media Standardized Names",
         "RFC2911.IETF|Section 4.2.11 media" }]
  string MediaName;

  [Description (
        "The default multiple document handling for each PrintJob "
        "processed by the associated PrintService. "
        "That is the named policy for the handling of finishing,"
        "the placement of one or more input logical pages onto "
        "output impressions, and multiple copies in a PrintJob "
        "that contains two or more documents, "
        "e.g., 'single-document' or 'single-document-new-sheet'." ),
     MappingStrings {
         "RFC2911.IETF|Section 4.2.4 multiple-document-handling" }]
  string MultipleDocumentHandling;

  [Description (
        "The default number of input logical pages per impression for "
        "each PrintJob processed by the associated PrintService. "
        "Note:  The translation, rotation, and scaling required for "
        "values of '2' or more are implementation dependent." ),
     MinValue ( 1 ),
     MaxValue ( 2147483647 ),
     MappingStrings {
         "RFC2911.IETF|Section 4.2.9 number-up" }]
  uint32 NumberUp;

  [Description (
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        "The default orientation requested for each PrintJob "
        "processed by the associated PrintService. \n"
        "1 (Other) is ambiguous and shall not be used \n"
        "2 (Unknown) means the orientation is unknown \n"
        "3 (Portrait) means imaged across the short edge, "
        "with no content rotation \n"
        "4 (Landscape) means imaged across the long edge, "
        "content rotated 90 degrees anticlockwise from Portrait \n"
        "5 (ReverseLandscape) means imaged across the long edge, "
        "content rotated 90 degrees clockwise from Portrait \n"
        "6 (ReversePortrait) means imaged across the short edge, "
        "content rotated 180 degrees from Portrait." ),
        ValueMap { "0", "1", "2", "3", "4", "5", "6", ".." },
        Values { "Unknown", "Other", "Portrait", "Landscape",
            "ReverseLandscape", "ReversePortrait", "DMTF Reserved" },
        MappingStrings {
            "RFC2911.IETF|Section 4.2.10 orientation-requested" }]
    uint16 OrientationRequested;


    [Description (
        "The default input logical pages ranges for each PrintJob "
        "processed by the associated PrintService. "
        "That is the set of input logical pages to be included. \n"
        "Note: Each page range shall be specified as lower and higher "
        "decimal numbers separated by a dash, e.g., '1-3'. \n"
        "Note: The set of page ranges shall be in ascending order, "
        "e.g., '1-5', '7-10'. \n"
        "Note: The page ranges shall not overlap, so a non-spooling "
        "PrintService can process the PrintJob in a single pass." ),
        MappingStrings {
            "RFC2911.IETF|Section 4.2.7 page-ranges" }]
    string PageRanges[];


    [Description (
        "The default imposition mode for impressions for each PrintJob "
        "processed by the associated PrintService. "
        "That is the policy for imposing input logical pages "
        "onto output impressions (sides of selected media). \n"
        "1 (Other) is ambiguous and shall not be used \n"
        "2 (Unknown) means the imaging mode is unknown \n"
        "3 (OneSided) means each successive input logical page onto "
        "the same side of consecutive sheets of media \n"
        "4 (TwoSidedLongEdge) means each consecutive pair of input "
        "logical pages onto front and back sides of consecutive "
        "sheets of media, with orientation for long edge binding \n"
        "5 (TwoSidedShortEdge) means each consecutive pair of input "
        "logical pages onto front and back sides of consecutive "
        "sheets of media, with orientation for short edge binding." ),
        ValueMap { "0", "1", "2", "3", "4", "5", ".." },
        Values { "Unknown", "Other", "OneSided",
            "TwoSidedLongEdge", "TwoSidedShortEdge", "DMTF Reserved" },
        MappingStrings {
            "RFC2911.IETF|Section 4.2.8 sides" }]
    uint16 Sides;
```

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};
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