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// ===================================================================
//   CIM_PrintServiceSettings
// ===================================================================
   [Experimental, Version ( "2.23.0" ),
    UMLPackagePath ( "CIM::Device::Printing" ),
    Description (
        "An instance of SettingData for a specific PrintService which "
        "corresponds to xxx-default attributes of an IPP Printer. \n"
        "See: Section 2.1 Printer Object in IPP/1.1 (RFC 2911). \n"
        "See: Section 4.2 Job Template Attributes in IPP/1.1. \n"
        "See: Section 4.4 Printer Description Attributes in IPP/1.1. \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" },
         ModelCorrespondence {
            "CIM_PrintServiceCapabilities.Copies",
            "CIM_PrintJob.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" },
         ModelCorrespondence {
            "CIM_PrintService.MimeTypesSupported",
            "CIM_PrintJob.MimeTypes" }]
    string DocumentFormat;

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

        [Description (
            "The default named job hold until for each PrintJob "
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                "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" **},**
        ModelCorrespondence {
                "CIM_PrintServiceCapabilities.JobHoldUntil",
                "CIM_PrintJob.JobHoldUntil" **}]**
    string JobHoldUntil**;**

        [Description (
                "The default priority for each PrintJob "
                "processed by the associated PrintService. \n"
                "Note: Weighted scale is *opposite* to Job.Priority. \n"
                "The value 1 indicates the lowest possible priority. \n"
                "The value 100 indicates the highest possible priority." **),**
        MinValue (1),
        MaxValue (100),
        MappingStrings {
                "RFC2911.IETF|Section 4.2.1 job-priority" **},**
        ModelCorrespondence {
                "CIM_Job.Priority"
                "CIM_PrintServiceCapabilities.JobPriority"**,**
                "CIM_PrintJob.JobPriority" **}]**
    uint32 JobPriority**;**

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

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    [Description (
        "The default multiple document handling for each PrintJob "
        "processed by the associated PrintService. \n"
        "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 "
        "with two or more documents, e.g., 'single-document' "
        "or 'single-document-new-sheet'." ),
    MappingStrings {
        "RFC2911.IETF|Section 4.2.4 multiple-document-handling" },
    ModelCorrespondence {
        "CIM_PrintServiceCapabilities.MultipleDocumentHandling",
        "CIM_PrintServiceCapabilities.MultipleDocumentJobs",
        "CIM_PrintJob.MultipleDocumentHandling" }]
string MultipleDocumentHandling;


    [Description (
        "The default number of input logical pages per impression "
        "for a 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" },
    ModelCorrespondence {
        "CIM_PrintServiceCapabilities.NumberUp",
        "CIM_PrintJob.NumberUp" }]
uint32 NumberUp;


    [Description (
        "The default orientation requested for each PrintJob "
        "processed by the associated PrintService. \n"
        "Value 'portrait' means imaged across the short edge, "
        "with no content rotation. \n"
        "Value 'landscape' means imaged across the long edge, "
        "with content rotated 90 degrees anticlockwise "
        "from 'portrait'. \n"
        "Value 'reverse-landscape' means imaged across the long "
        "edge, with content rotated 90 degrees clockwise "
        "from 'portrait'. \n"
        "Value 'reverse-portrait' means imaged across the short "
        "edge, with content rotated 180 degrees (opposite) "
        "from 'portrait'." ),
    MappingStrings {
        "RFC2911.IETF|Section 4.2.10 orientation-requested" },
    ModelCorrespondence {
        "CIM_PrintServiceCapabilities.OrientationRequested",
        "CIM_PrintJob.OrientationRequested" }]
string OrientationRequested;

    [Description (
        "The default named output bin for each PrintJob "
        "processed by the associated PrintService, "
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            "e.g., 'top', 'left', 'side', etc." ),
        MappingStrings {
            "PWG5100-2.PWG|Section 2.1 output-bin" },
        ModelCorrespondence {
            "CIM_PrintServiceCapabilities.OutputBin",
            "CIM_PrintJob.OutputBin" }]
    string OutputBin;

        [Description (
            "The default print quality for impressions for each "
            "PrintJob processed by the associated PrintService. \n"
            "Value 'draft' means lowest print quality. \n"
            "Value 'normal' means normal print quality. \n"
            "Value 'high' means highest print quality." ),
        MappingStrings {
            "RFC2911.IETF|Section 4.2.13 print-quality" },
        ModelCorrespondence {
            "CIM_PrintServiceCapabilities.PrintQuality",
            "CIM_PrintJob.PrintQuality" }]
    string PrintQuality;

        [Description (
            "The default print resolution for impressions for each "
            "PrintJob processed by the associated PrintService. \n"
            "That is, the horizontal by vertical resolution in pixels "
            "per inch for output impressions (sides of selected media) "
            "separated by a lowercase 'x', e.g., print resolutions "
            "of '300x300' and '600x1200'. \n"
            "Horizontal resolution is defined as resolution in the "
            "cross-feed direction, short-edge in portrait feed mode. \n"
            "Vertical resolution is defined as resolution in the feed "
            "direction, long-edge in portrait feed mode." ),
        MappingStrings {
            "RFC2911.IETF|Section 4.2.12 printer-resolution" },
        ModelCorrespondence {
            "CIM_PrintServiceCapabilities.Resolution",
            "CIM_PrintJob.HorizontalResolution",
            "CIM_PrintJob.VerticalResolution" }]
    string Resolution;

        [Description (
            "The default imposition mode for impressions for each "
            "PrintJob processed by the associated PrintService. \n"
            "That is, the policy for imposing input logical pages "
            "onto output impressions (sides of selected media). \n"
            "Value 'one-sided' means each successive input logical "
            "page onto the same side of consecutive sheets of media. \n"
            "Value 'two-sided-long-edge' 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"
            "Value 'two-sided-short-edge' means each consecutive pair "
            "of input logical pages onto front and back sides of "
            "consecutive sheets of media, with orientation for short "
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            "edge binding." ),
        MappingStrings {
            "RFC2911.IETF|Section 4.2.8 sides" },
        ModelCorrespondence {
            "CIM_PrintServiceCapabilities.Sides",
            "CIM_PrintJob.Sides" }]
    string Sides;


};
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