Q‘¡1K*

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Abstract

ΛßU+8BB2]y“Q‘¡1K

1 “Q‘¡1K

Connexions U+5757]aˆ7¡U+79CD]2A¡1KΘ“ail[U+9875]A¡1KU+5BF9]2,kaΠU+8FC7]XCNXMLAmedia(1K)U+6807]U+7
¡1KU+5BF9]A2dˆU+56FE]?ΔFlashΔΠ?Π˝X%bΘ:S2¡1KU+5BF9]AQ‘jIΨ,..U+5757]U+56FE]?%bAQ‘U+8BF4]U+4E3

2 U+589E]‘¡1KAlˆU+9879]

- .U+5757]OACNXML,hU+522B]#l.U+5757]XA1KΣ,iU+60A8]3U+590D]jU+60A8]AU+5757],U+8BF7]U+5BF9]
- U+60A8]ˆilU+5757]A1KU+5BF9]U+987B]Σ4EaXAMIME (Multipurpose Internet Mail Extension)U+534F]U+8BAE
- U+60A8]aX“2A1KU+5BF9],–ˆWhaXAMIME2Θ
- U+60A8]aXparam(W)U+6807]U+7B7E]j¡1KU+5BF9]AU+9009]U+9879]WΘ

3 U+56FE]?

XlConnexionsU+5757]¯MIME2AU+56FE]?%b2ˆ:

- eps - media type="application/postscript"
- png - media type="image/png"
- jpeg - media type="image/jpeg"
- gif - media type="image/gif"

ˆ74A2,“aXAMIME type[1] 2AU+56FE]?kaXlU+5757]Θ
DˆQ‘U+5757]AU+56FE]?,ah[U+7EDC]AU+56FE]?,Æh U+7ECF]U+4F20]U+60A8]AworkplaceAU+56FE]?,ΣKU+4F2

*Version 1.1: Jun 10, 2009 1:02 am -0500
†http://creativecommons.org/licenses/by/3.0/
[1]http://www.duke.edu/websrv/file-extensions.html

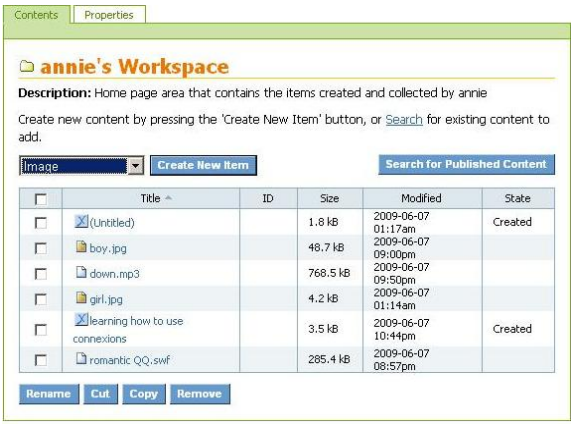

Figure 1

W[U+51FB]“Create New Item”:

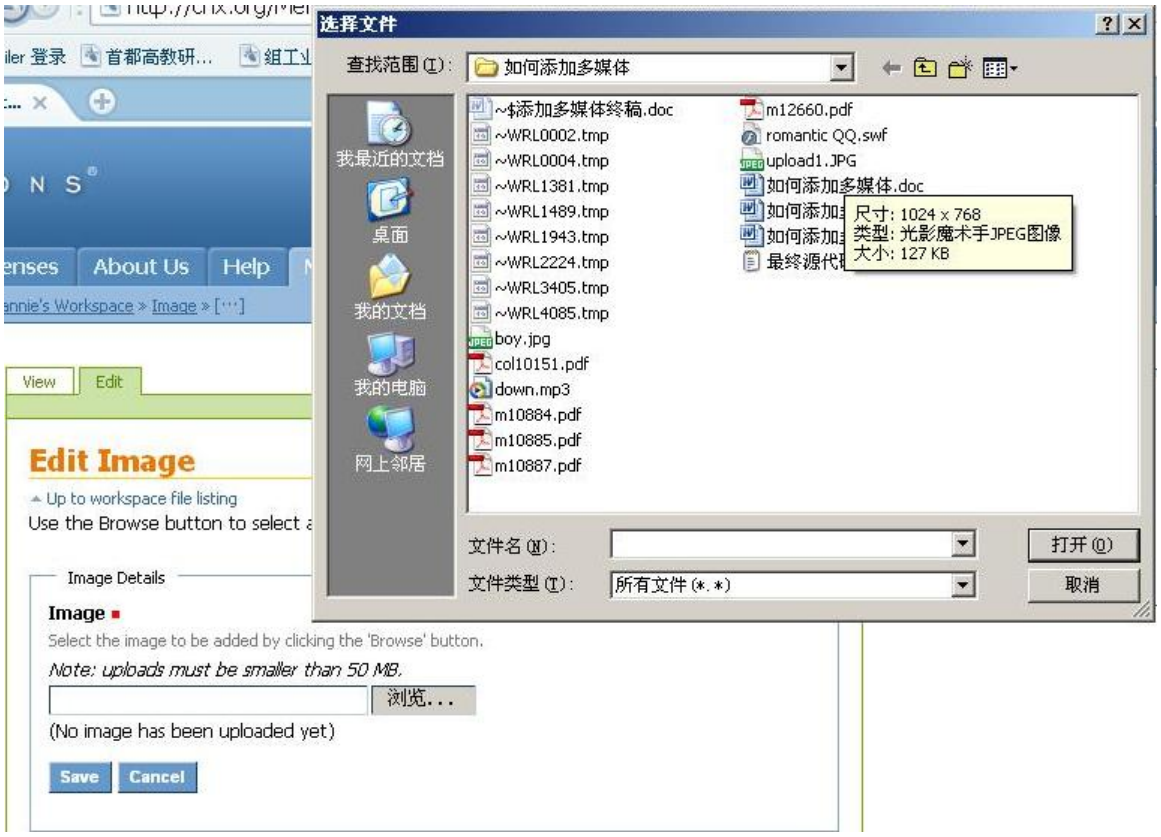

Figure 2

[U+8FDB] E [U+56FE] A W [U+51FB] “ [U+6D4F] [U+89C8] ” [U+4F20] [U+60A8] A [U+56FE] ?Θ

l [U+7EBF] [U+5E94] X Edit In Place [U+8FDB] Λ [U+5757] [U+7F16] [U+8F91] [U+65F6] ,(lQ‘¡1K,.D ˆ Xfull-source XML editing,l [U+5757] A index.cnxml%b3 [U+52A8] M ˇ D A CNXMLb [U+7801] Θb [U+7801] [U+5E94] M ˇ l<content>F</content>II [U+7F16] ˇ j [U+8BF7] [U+67E5] [U+9605] *CNXML Language Specification (CNXML [U+8BED] [U+8BF4])* [U+5173] S1K[2] [U+6807] [U+7B7E] A y, [U+83B7] ¡j&Θ

[2] http://cnx.org/technology/cnxml/0.5/spec/#media

Figure 3

full-source XML editing[U+8FD0]Λ[U+73AF]
[U+5355][U+5F20][U+56FE]?Ab[U+7801][U+7C7B]SYA:
<figure id="cute-girl">
<title>a girl</title>
<media id="girlpic" alt="A girl">
<image mime-type="image/jpeg" src="girl.jpg"/>
</media>
<caption>
Notice a girl.
</caption>
</figure>
media1K[U+6807][U+7B7E]Asrc-n,h[U+7ED9]#[U+56FE]?AoΘA[U+56FE]?h[U+7ECF][U+4F20]workplace,-nhE%b;iE[U+56FE]?%b[U+50A8]5l[A3Wj,-nahEΨqAURL[Θ
jCNXMLA[U+5B9E][U+9645][U+663E][U+4E3A]:
Figure 1: Notice a girl.
[U+60A8]aXsubfigure[U+6807][U+7B7E]˚[U+4E24]E[U+56FE]?ilΨAfigure([U+56FE])Θ[U+60A8]4[U+4E24]EΨ[U+5173]
<figure id="figure-2" orient="horizontal">
<subfigure id="subfigure-1">
<title>[U+8F83]A[U+56FE]</title>
<media id="babypic" alt="A girl">
<image mime-type="image/jpeg" src="girl.jpg"/>
</media>

<caption>
[U+56FE]1
</caption>
</subfigure>
<subfigure id="subfigure-2">
<title>[U+8F83]dA[U+56FE]</title>
<media id="boypic" alt="A boy">
<image mime-type="image/jpeg" src="boy.jpg"/>
</media>
<caption>
[U+56FE]2
</caption>
</subfigure>
<caption>
lE[U+56FE]H,[U+663E] [U+4E24]E[U+56FE]?
</caption>
</figure>
jCNXMLA[U+5B9E] [U+9645] [U+663E] [U+4E3A]:

[U+8F83] A [U+56FE] [U+8F83] dA [U+56FE]
(a)

Table 1

orient(j)-n[U+503C]ahhorizontal(H,)vertical(E),#[U+4E49] [U+56FE]?“&l[U+56FE](figure)Θ

4 [U+5757]Al[U+7EBF]xDx^7A[U+56FE]?

i[U+60A8] [U+5757] [U+56FE]?Ad,¯[U+60A8]l[U+7EBF] [U+89C2]˙[U+65F6]Ad,˝[U+60A8]D.[U+5757] [U+65F6] [U+663E]=d
%Yh[U+8BF4] “l[U+60A8]A[U+5757] [U+4E3A]Dx‘A[U+56FE]?%b:

1. [U+8BF7]m[U+60A8]A[U+56FE]?%bAEepsx,[U+8FD9]E[U+56FE]?[U+5E94] [U+8C03]qo[U+9002]¯AdΘ
2. [U+8BF7]lindex.cnxml%b[U+8FD9]Eeps%bAb[U+7801],Sl[U+7EBF] [U+663E]A[U+56FE]?b[U+7801]AjΘ.[U+56FE]?%
3. [U+8BF7] [U+589E]‘eps[U+56FE]?%b.[U+5757]Θ

%YhD^^7‘[U+56FE]?DACNXMLb[U+7801]AE:

```
<figure id=" printimage">
<title>a boy</title>
<media id="boypic" alt="A boy">
<image mime-type=" application/postscript" src=" boy.eps "/>
<media type='image/png' src='boy.png'/>
</media>
<caption>
Notice a boy.
</caption>
</figure>
```

4.1 :

lindex.cnxml%b,D[U+56FE]?(eps)A[U+8F93] [U+987B]w[U+73B0]ll[U+7EBF] [U+56FE]?(png)A[U+8F93]j;l[U+7EBF] [U+56FE

5 mE[U+56FE]?[U+8FDE] [U+7ED3]E[U+8F83]dAx

[U+60A8]`a[U+663E]E[U+56FE]?,[U+8BA9]WW[U+51FB] [U+663E]oE[U+8F83]dxA[U+56FE]?Θ%Yh3[U+5904]Ajl:

1. [U+8BF7]m[U+60A8]A[U+56FE]?%bAE[U+7F29] [U+56FE]xΘ
2. [U+8BF7] [U+56FE]d[U+7F29] [U+56FE]dA[U+56FE]?Emedia type(1K2)[U+8F93],YΘ
3. [U+8BF7] [U+589E]‘[U+56FE]d[U+7F29] [U+56FE]A[U+56FE]?%b[U+5757]Θ

%Yh74E[U+7F29] [U+56FE] [U+56FE]?[U+8FDE] [U+7ED3]E[U+56FE]xDACNXMLb[U+7801]:

```
<figure id="thumbnail">
<title>thumbnail</title>
<media id="thumbnail" alt="thumbnail">
<image mime-type="image/jpeg" src="boy_med.jpg"/>
<param name="thumbnail" value="boy_thumb.jpg"/> </media>
<caption>
Notice a boy.
</caption>
</figure>
```

6 3;2A1K [U+5BF9]

[U+5BF9] S3;2A1K [U+5BF9] o [U+8BF4] ,Ab [U+7801] IΨ,D^ [U+53D8] Ab [U+7801] hY [U+5212] [U+7EBF] AΛß:

<image mime-type="image/jpeg" src="boy.jpg"/>

2A1K [U+5BF9] b [U+7801] Y:

- flash- <flash mime-type="application/x-shockwave-flash" src="flash. swf"/>
- audio- <audio mime-type ="audio/mpeg" src="down.mp3"/ >
- video- <video mime-type="video/mov" src="howto.mov"/>

^74A2Θ

7 1K2W

@¡1K [U+5BF9] D^@ [U+9009] [U+9879] W [U+9002] [U+663E] wo, [U+60A8] aΠ [U+8FC7] param(W) [U+6807] [U+7B7E] [U+4F20
Language Specification(CNXML [U+8BED] [U+8BF4] [U+4E66] **)** 4 [U+5173] param[3] [U+6807] [U+7B7E] Ay, [U+83B7] ¡J&Θ

%YhEΠ?(mpg) [U+5BF9] Aparam(W) [U+6807] [U+7B7E] [U+8F93] A:

<media id="video" alt="video">
<video mime-type type="video/mpeg" src="testmovie.mpg"/>
<param name="width" value="300"/>
<param name="height" value="300"/>
</media>

7.1 :

[U+60A8] [U+5E94] [U+8BE5] [U+5BF9] "Π?ΔFlash [U+5BF9] [U+8BBE] #JP(height) [U+5BBD] p(width)W,W [U+4EEC] ll [U+7EBF
pixelL300 pixelAjΘ

A¡1K [U+5BF9] 2, [U+5BF9] [U+5E94] SAW,@Ψ [U+5F02] A¡1K [U+5BF9] 2XA@WY:

- Images (image/*): height, width, title, alt
- Flash (application/x-shockwave-flash): height, width, base
- Video (video/*): height, width, classid, codebase, autostart
- Audio (audio/*): title, volume

7.2 :

param(W) [U+6807] [U+7B7E] , [U+8BB8] [U+60A8] #XHMTL%bAE [U+5BF9] l [U+8BA1] R [U+8FD0] – [U+65F6] A [U+8BBE] #Θ

8 **param**(W)U [U+6362] [U+56FE] ?

i [U+60A8] XAmedia(1K) [U+6807] [U+7B7E] ,EU [U+6362] [U+56FE] ? [U+663E] ,E?w [U+73B0] l [U+5757] ADx,1bw [U+73B0] ll [U

<media id="video" alt="video">
<video mime-type type="video/mov" src="howto.mov"/>
<param name="height" value="250" />
<param name="width" value="250" />
<media type="image/png" src="novideo.png />
</media>

[3] http://cnx.org/technology/cnxml/0.5/spec/#param