CALS TABLE*

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Based on The Advanced $CNXML^{\dagger}$ by Ricardo Radaelli-Sanchez

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Abstract

A thorough explanation of inserting tables into your Connexions content using Edit-in-Place.

CNXML uses the industry standard CALS Table Model¹ for including tables into CNXML documents. When you first insert a table using Edit-in-Place, you will see a blue window similar to the one shown in Figure 1 (Adding a Table using Edit-in-Place).

^{*}Version 1.5: Aug 12, 2009 12:21 pm -0500

 $^{^\}dagger http://cnx.org/content/m9007/2.22/$

 $^{^{\}ddagger} \text{http://creativecommons.org/licenses/by/2.0/}$

 $^{^{1} \}rm http://www.oasis-open.org/specs/a502.htm$

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Adding a Table using Edit-in-Place

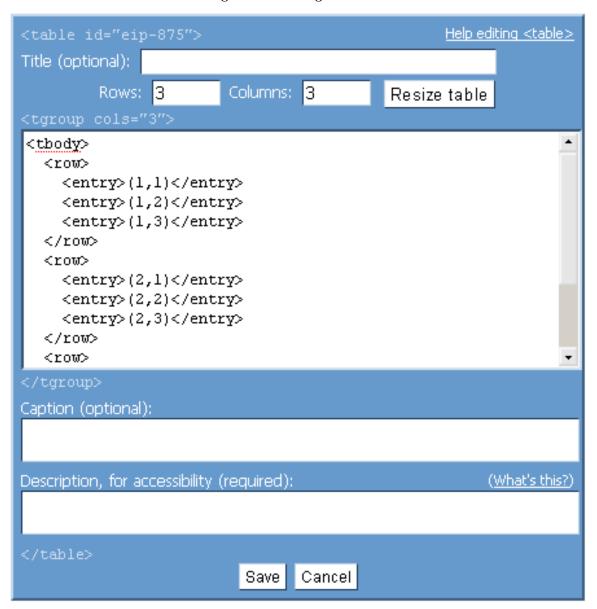
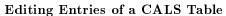


Figure 1

Using the Edit-in-Place interface, you can add a name and change how many rows or columns your table needs.

IMPORTANT: Be sure to set the correct dimensions before you start editing the entries of the table, as the Resize table button will reset the entries to their default values.

Once your table is correctly sized, you can start editing the entries of your table, as shown in Figure 2 (Editing Entries of a CALS Table).



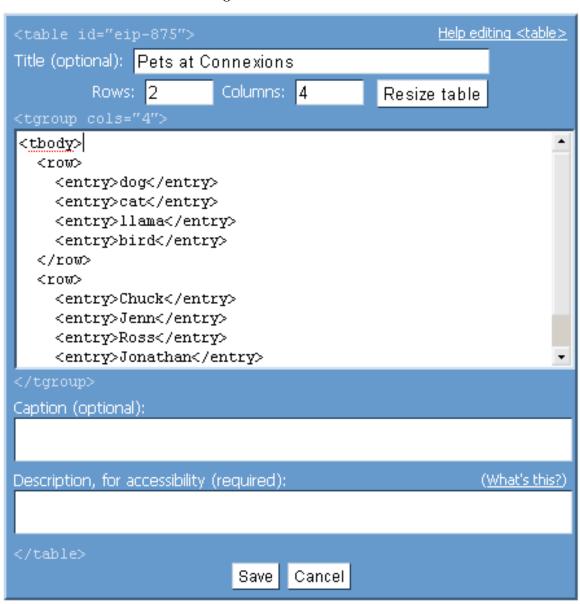


Figure 2

Provided below is a brief description of the CALS tags, their attributes, and children (along with a helpful

example). For a more complete description of the CALS Table consult the CALS Table Spec².

1 table

The table tag marks the beginning of a table. It has an optional first child of name³ (as you can see in the Edit-in-Place interface) and must contain one or more tgroup (p. 4) tags. The Edit-in-Place interface, however, only supports the utilization of one tgroup. The table tag also has many attributes, to find out more information consult the CALS Table Spec⁴.

2 tgroup

The tgroup tag marks the beginning of a new portion of a table (p. 4). It has a required attribute cols which is the number of columns in the tgroup; as mentioned previously (p. 2), this attribute can be set using the Edit-in-Place interface. Its children tags are zero, one, or more colspec (p. 4) or spanspec (p. 4), zero or one thead (p. 4) or tfoot (p. 4), and one tbody (p. 4) tag.

3 colspec

The colspec tag is an **empty tag** that specificies the column of a table (p. 4) or entrytbl (p. 5). The names and numbers specified as attributes are used for referencing by other tags.

4 spanspec

The spanspec tag is an empty tag that identifies a horizontal span of columns and associated attributes that can subsequently be referenced by its spanname for repeated use in entry (p. 5) or entrytbl (p. 5) in different rows (p. 4).

5 thead

The thead tag identifies the heading row (p. 4) of a tgroup (p. 4) or entrytbl (p. 5). The thead tag can have zero, one, or more colspec (p. 4) tags and one or more row (p. 4).

6 tfoot

The tfoot tag identifies the rows (p. 4) of footer information that are displayed after the tbody (p. 4). The tfoot tag can have zero, one, or more colspec (p. 4) tags and one or more row (p. 4).

7 tbody

The tbody tag identifies the body of a tgroup (p. 4) or entrytbl (p. 5). The tbody tag must have one or more row (p. 4) tags.

8 row

The row tag identifies the row of information in a thead (p. 4), the too (p. 4), or the tag must have one or more entry (p. 5) or entrybl (p. 5).

²http://www.oasis-open.org/specs/a502.htm

^{3&}quot;The Basic CNXML": Section Title http://cnx.org/content/m9000/latest/#name

⁴http://www.oasis-open.org/specs/a502.htm

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9 entrytbl

The entrytbl tag takes the place of an entry (p. 5), but fits into a single row (p. 4) of tbody (p. 4) in a tgroup (p. 4). The content model is the same as that of a tgroup (p. 4) except that tfoot (p. 4) is ommitted and entrytbl is self-excluding. Its children tags are zero, one, or more colspec (p. 4) or spanspec (p. 4), zero or one thead (p. 4) or tfoot (p. 4), and one tbody (p. 4) tag.

10 entry

The entry tag identifies an entry in a row (p. 4). The entry tag contains ASCII text and zero, one, or many cite⁵, term⁶, cnxn⁷, link⁸, code⁹, emphasis¹⁰, or media¹¹.

11 Using CALS Tables

It might sound a little confusing but I think that the best way to understand a table is to look at Example 1. For more information, consult the CALS Table Spec^{12} .

Example 1

5"Using Basic CNXML in Edit-In-Place": Section Cite http://cnx.org/content/m14394/latest/#cite
6"Using Basic CNXML in Edit-In-Place": Section Term http://cnx.org/content/m14394/latest/#term
7"Using Basic CNXML in Edit-In-Place": Section Link http://cnx.org/content/m14394/latest/#cnln
8"Using Basic CNXML in Edit-In-Place": Section Code http://cnx.org/content/m14394/latest/#code
10"Using Basic CNXML in Edit-In-Place": Section Emphasis http://cnx.org/content/m14394/latest/#emphasis
11"Adding Multimedia to Your Connexions Content" http://cnx.org/content/m12660/latest/

¹²http://www.oasis-open.org/specs/a502.htm



Figure 3

```
<thead>
<row>
<entry>Month</entry>
<entry>Flower</entry>
</row>
</thead>

<row>
```

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```
<entry align="center">January</entry>
<entry align="center">Carnation</entry>
</row>
<row>
<entry align="center">February</entry>
<entry align="center">Violet</entry>
</row>
<row>
<entry align="center">March</entry>
<entry align="center">Daffodil</entry>
</row>
<row>
<entry align="center">April</entry>
<entry align="center">Sweet Pea</entry>
</row>
<row>
<entry align="center">May</entry>
<entry align="center">Sunflower</entry>
</row>
<row>
<entry>June</entry>
<entry>Honeysuckle</entry>
</row>
<row>
<entry>July</entry>
<entry>Larkspur</entry>
</row>
<row>
<entry>August
<\!entry>Lily<\!/entry>
</row>
<row>
<entry>September</entry>
<entry>Forget-Me-Not</entry>
</row>
<row>
<entry>October</entry>
<entry>Marigold
</row>
<row>
<entry>November</entry>
<entry>Chrysanthemum</entry>
</row>
<row>
<entry>December</entry>
<entry>Narcissus
</row>
```

This code will end up looking like this (Table 1: Birth Flowers):

Birth Flowers

Month	Flower
January	Carnation
February	Violet
March	Daffodil
April	Sweet Pea
May	Sunflower
June	Honeysuckle
July	Larkspur
August	Lily
September	Forget-Me-Not
October	Marigold
November	Chrysanthemum
December	Narcissus

Table 1