

## **Docs v2.2 User Guide**

For WebCTRL® v5.5 or later



Verify that you have the most current version of this document. Go to <http://alcshare.com>, then select **Shared Stuff > Add-ons**.

Important changes are listed in **Document revision history** at the end of this document.

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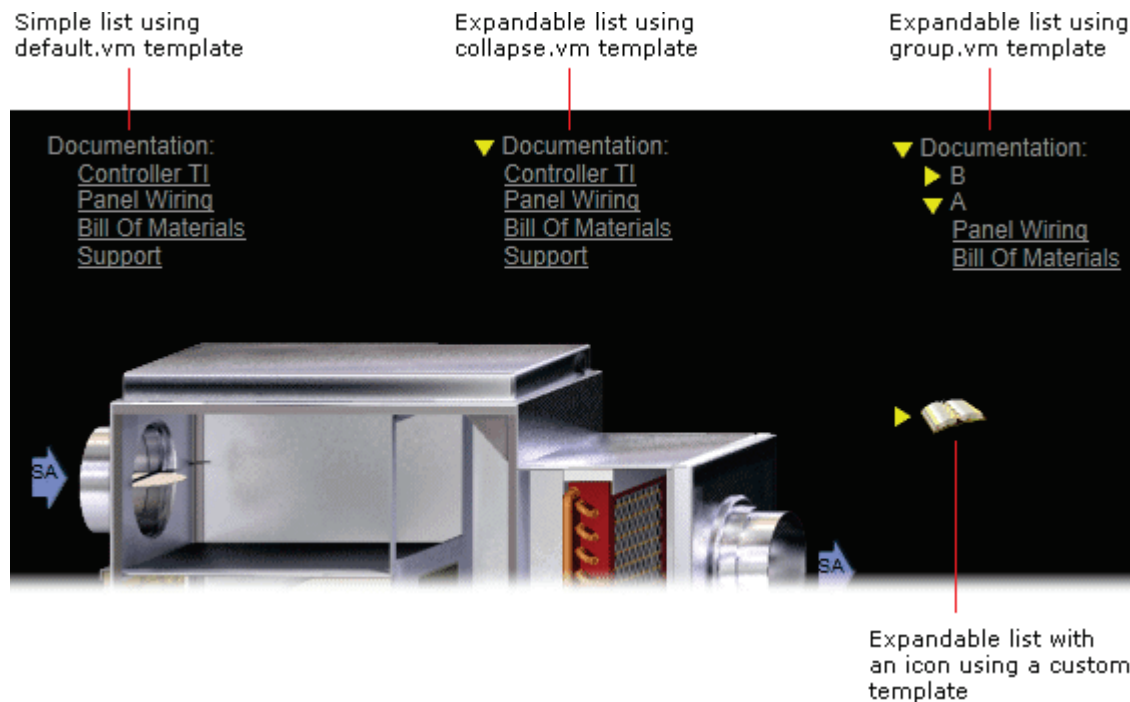
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## What is the Docs add-on?

The Docs add-on lets you provide links on Graphics pages to documents or websites associated with a WebCTRL® system such as network diagrams, as-builts, Tech Support website, and other items. To create a list of links (see image below), you add a WebApp Content control to your graphic in ViewBuilder, and then specify a style template for the control that determines how the list will look. In the WebCTRL application, the WebApp Content control pulls the list of documents from a docs.csv file that associates different documents with different locations in the system. Only the documents for the current location are listed.

The graphic below shows an example of 4 different styles of lists. These were created by adding 4 WebApp Content controls and specifying a different style template for each control. The top 3 lists use templates that are included with the Docs add-on. The bottom list uses a custom template.



### REQUIREMENTS

- A WebCTRL® v5.5 or later system
- For v5.5 only, the Enterprise Integration optional package (Enterprise Integration is included in v6.0.)
- Access to the WebCTRL server's file system. If needed, you can use a third-party WebDAV utility to access server files through an Internet connection.

## To install and run the Docs add-on

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Go to <http://alcshare.com/content/docs>, and then follow the instructions below for your WebCTRL® version.

### WebCTRL v6.0 or later

- 1 Under the **Files** heading, download **Version: Beta 2.2**.
- 2 In a web browser, log in to your WebCTRL® system.
- 3 On the System Configuration tree > **System Settings** > **Add-ons** tab, click **Browse**, and then open the **.war** file that you downloaded.
- 4 Click **Install**. After a few seconds, the add-on will appear in the **Installed** table and will be running.

### WebCTRL 5.5

- 1 Under the **Files** heading, download **Version: Beta 2.2**.
- 2 In a web browser, log in to your WebCTRL® system.
- 3 On the **CFG** tree > **System Settings** > **Web Applications** tab, click **Browse**, and then open the **.war** file that you downloaded.
- 4 Click **Add Web Application**. After a few seconds, the add-on will appear in the table and will be running.

**NOTE** The installation process copies the add-on file that you downloaded into the **WebCTRL#.#/webserver/webapps** folder.

## Creating document lists

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The process to create a documentation list is:

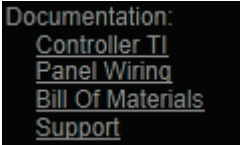
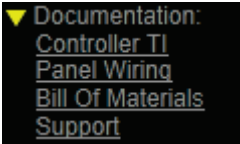
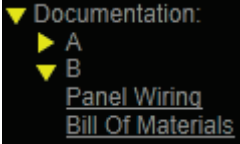
- 1 *Determine what documents or websites you want to link to and where you want to see the links (page 3).*
- 2 *Add WebApp Content controls to your graphics and define the templates in ViewBuilder (page 3).*
- 3 *Generate and edit the docs.csv file (page 4).*
- 4 *Load the Docs configuration into the WebCTRL® system and check for errors (page 5).*

## Step 1: Determine what documents or websites you want to link to and where

- 1 Determine what documents or websites you want to link to and the WebCTRL® location where you want each document's link to appear.
- 2 Put all of your documents in the **WebCTRL#.#/webroot/<system>/webapp\_data/docs/private/content** folder. If needed, you can create subfolders to the **/content** folder and put documents in the subfolders.
- 3 Get the website address of any websites that you want to link to.

## Step 2: Add WebApp Content controls and define the templates in ViewBuilder

- 1 In ViewBuilder, open a .view file that you want to add a document list to.
- 2 Add a WebApp Content control where you want the list to appear.
- 3 Resize the control so that it is large enough to contain the longest list of documents that will appear on this graphic in WebCTRL®.
- 4 In the **WebApp Name** field, type: `docs`
- 5 Click  to add the style parameter.
- 6 Do one of the following to use one of the 3 templates that are included with the Docs add-on.

| To display the documents list as...   | In the Name column, type... | In the Value column, type...                         |
|---|-----------------------------|--|
| A simple list<br>                  | (Leave blank)               | (Leave blank. <code>default.vm</code> will be used.) |
| An expandable list<br>             | <code>style</code>          | <code>collapse.vm</code>                             |
| An expandable list with groups<br> | <code>style</code>          | <code>group.vm</code>                                |

### NOTES

- Groups are defined in the **docs.csv** file in the **Category** column.
- If you want a different format than the 3 shown above, you can *create a custom template* (page 6).
- If you delete one of the included templates, it will be recreated when the add-on is started again.

### Step 3: Generate and edit the docs.csv file

The **docs.csv** file lists the documents and the locations in the WebCTRL® interface where they are to appear. This simple text file of comma separated values is easy to edit with a spreadsheet program such as Microsoft Excel®.

An example of a docs.csv file in a text editor:

| File   | Edit | View | Settings | ? |
|--|------|------|----------|---|
| Reference Path,Display Path,Title,Document Path,Path Type,Category   |      |      |          |   |
| #first_floor/main_conference_room,"/Campus/Green Bldg/First Floor/Main Conference Room","As Built",ab/mcr_asbuilt.pdf,DOC,As Built   |      |      |          |   |
| #first_floor/main_conference_room,"/Campus/Green Bldg/First Floor/Main Conference Room","Parts List",list/mcr_parts_list.txt,DOC,BOM |      |      |          |   |
| #ahu_1,"/Campus/Green Bldg/East Wing/AHU 1","As Built",ab/ahu1_asbuilt.pdf   |      |      |          |   |

The same docs.csv file in Microsoft Excel®:

|   | A                                 | B  | C          | D                       | E         | F        |
|---|-----------------------------------|--|------------|-------------------------|-----------|----------|
| 1 | Reference Path                    | Display Path                                       | Title      | Document Path           | Path Type | Category |
| 2 | #first_floor/main_conference room | Campus/Green Bldg/First Floor/Main Conference Room | As Built   | ab/mcr_asbuilt.pdf      | DOC       | As Built |
| 3 | #first_floor/main_conference room | Campus/Green Bldg/First Floor/Main Conference Room | Parts List | list/mcr_parts_list.txt | DOC       | BOM      |
| 4 | #ahu_1                            | Campus/Green Bldg/East Wing/AHU 1                  | As Built   | ab/ahu1_askbuilt.pdf    | DOC       |          |
| 5 |                                   |  |            |                         |           |          |

The first row must contain the column names and the first six columns must be **Reference Path**, **Display Path**, **Title**, **Document Path**, **Path Type**, **Category**. You can add additional columns if needed for a *custom template* (page 6).

The **docs.csv** file is generated when the add-on is installed and contains only the **Reference Path** and **Display Path** for all locations in the tree. You must edit the file as follows to add each document that you want to link to.

- 1 Open the file **WebCTRL#.#/webroot/<system>/webapp\_data/docs/private/config/docs.csv** in a spreadsheet program.
- 2 For each location where you want a document list, copy and paste the location's row as many times as needed for that location's documents.
- 3 In each of those rows, enter the **Title**, **Document Path**, and **Path Type**. And, if you are grouping documents, enter a **Category**. See table below for a description of each column.
- 4 Save the file.

| Column                | Description   |
|-----------------------|---|
| <b>Reference Path</b> | The reference name path to a location in the WebCTRL tree. To get this path, right-click a location in the WebCTRL tree and then select <b>Copy path</b> . Or, select the location and then use the <b>whereami</b> manual command to get the path. |
| <b>Display Path</b>   | The same path as the Reference Path except it consists of display names instead of reference names. The display path is given only to help you determine the location because reference names are not always intuitive.                             |
| <b>Title</b>          | The title of the document or website that you want to appear in the document list in the WebCTRL interface. For instance, the title for a link to the Tech Support website might simply be <b>Support</b> .   |



| Column                             | Description  |   |   |
|------------------------------------|--|---|---|
| <b>Document Path and Path Type</b> | <b>To link to...</b>   | <b>The Document Path is...</b>  | <b>The Path Type is...</b>  |
|                                    | A single document  | The path to the document starting at the <b>/content</b> folder.  | DOC<br><b>NOTE</b> If you leave <b>Path Type</b> blank, it defaults to DOC. |
|                                    | All documents in a folder  | /<folder name>. Entering a folder name as the <b>Document Path</b> and <b>DIR</b> as the <b>Path Type</b> will display links to all documents in a folder at the specified location. The title will be the file name without the extension. | DIR   |
|                                    | A website  | The website's address.  | URL   |
| <b>Category</b>                    | You can use the <b>group.vm</b> template to sort a document list into user-defined groups. The groups are created by entering a group name in the <b>Category</b> column. Leave this column blank if you are not using groups. |   |   |
| <b>Extra Columns - Optional</b>    | If you create a custom template (page 6), you can add custom columns. In the custom template, you reference a column by its header.  |   |   |

**NOTE** The **WebCTRL#.#/webroot/<system>/webapp\_data/docs/private/config** folder also contains the **mime.properties** file that contains the MIME type mappings to file extensions. The MIME type determines how a browser treats content for various file types. The default file that is created when you first run the add-on contains mappings for many typical file types, but you may edit it if necessary.

## Step 4: Load the Docs configuration into your system

- 1 In a web browser's address field, type the address to your WebCTRL® system followed by `/docs`.
- 2 Click **Reload Configuration on Server** to load the information from the **docs.csv** file.
- 3 Click **Missing Documents**. An item on this tab either has an error in the **docs.csv** file such as an incorrect path or a typo or the file is not in the **/contents** folder or a subfolder.  
**NOTE** An item on this tab will still show a link in WebCTRL, but clicking the link will display an error page.
- 4 Correct the error, then click **Reload Configuration on Server** again.
- 5 Verify the item moved from the **Missing Documents** tab to the **Good Documents** tab.

# To create a custom template

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**NOTE** The information below is intended for someone with HTML programming knowledge.

Templates generate the HTML that shows in the WebApp Content control in WebCTRL®. If you do not want to use one of the 3 templates included with the Docs add-on, you can create a custom template.

- 1 Copy one of the included templates as a starting place for a new template. Templates reside in the **WebCTRL#.#/webroot/<system>/webapp\_data/docs/private/templates** folder.
- 2 Edit the template. See "Creating Velocity Templates" below.
- 3 Save the new template with a different name.

**NOTE** The name that you give the template is the name you will enter in the WebApp Content control's Properties window. See *Step 2: Add WebApp Content controls and define the templates in ViewBuilder* (page 3).

The template and docs.csv files are read when the add-on starts or when you click the **Reload Configuration on Server** button. If you change either file, you must click **Reload Configuration on Server** to apply the changes.

## Creating Velocity Templates

The templates are Velocity Templates. See the *Velocity website* (<http://velocity.apache.org/engine/releases/velocity-1.7/user-guide.html>) to get more information on formatting.

The following example template shows some basic features of the templating language:

```
<style type="text/css">
    .links {padding-left: 15px;}
</style>
#if ($documents.isEmpty())
    <div>No Documentation</div>
#else
    <div>Documentation:</div>
    <div class="links">
        #foreach( $doc in $documents )
            <div><a target="_blank" href="$doc.DocURL">$doc.Title</a></div>
        #end
    </div>
#end
```

Items in the template that begin with a \$ are variables that pull values from the docs.csv file. The Docs add-on provides a few basic variables for important information:

| Variable    | Description   |
|-------------|---|
| \$documents | Provides a list of attached documents for the current location                          |
| \$addonName | Provides the name of the current add-on (which may be needed when formatting some URLs) |

| Variable | Description   |
|----------|---|
| \$doc    | <p>Each document contained in the list of \$documents (\$doc in the above example), contains fields related to the columns in the docs.csv file.</p> <p>The following properties (case insensitive) are available on each \$doc:</p> <ul style="list-style-type: none"> <li>• \$doc.Title - the title to be displayed for the document link</li> <li>• \$doc.DocURL - The relative path to the document is not very useful directly, but a URL that can serve that file is available as \$doc.DocURL</li> <li>• referencePath - the value of the Reference Path column</li> <li>• category - the value of the Category column</li> <li>• exists - "true" if the document exists, "false" otherwise</li> </ul> <p>If you added custom columns to your docs.csv file, you may refer to the content of that column by using the column header name as the property. For example, if you added a column with a header of "type", then you could refer to the value in that column with \$doc.type.</p> <p><b>NOTE</b> If the name has a space in it, wrap the property reference in curly brackets. For example, "\${my column}".</p> |

## Document revision history

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Important changes to this document are listed below. Minor changes such as typographical or formatting errors are not listed.

| Date | Topic | Change description   | Code* |
|------|-------|--|-------|
|      |       | No changes since revision history process was implemented. |       |

\* For internal use only