

Slide 1 Model of CONTENT database building system. CONTENT can be used to build databases in a decentralized manner.

Slide 2 Transition slide

Slide 3 CONTENT Acquisition Station software, showing the software interface and an open Project named "Matsura Database."

Slide 4 CONTENT Acquisition Station software. You can import an existing image to the database by pointing the mouse button at the Import File button and clicking on the button.

(To scan a new image to the database, point the mouse button at the Acquire TWAIN button.)

Slide 5 CONTENT Acquisition Station software. Upon clicking on the Import File button, an open file window appears on the screen. For image collections, locate and select an existing JPEG format file.

Slide 6 CONTENT Acquisition Station software. The selected JPEG image will appear on the screen.

Slide 7 CONTENT Acquisition Station software. Make the Media Editor window the active window on the screen by clicking on it. Metadata can be entered into the entry boxes in the Media Editor window. The searchable fields are highlighted in green.

After entering metadata, click on the Choose Thumbnail button to generate a thumbnail or import an existing thumbnail into CONTENT. This thumbnail will appear when CONTENT database searches are performed.

Slide 8 CONTENT Acquisition Station software. By clicking on the Generate button, CONTENT will automatically generate a thumbnail image.

Slide 9 CONTENT Acquisition Station software. The generated thumbnail appears on the screen. Click on the Save button to save the generated thumbnail.

Slide 10 CONTENT Acquisition Station software. Upon completing metadata entry, click on the Save button.

Slide 11 CONTENT Acquisition Station software. The object (the metadata information, JPEG image, and thumbnail image, also in JPEG format) appear as an entry in the Project Workbox at the bottom of the screen. You can import or scan additional images at this point, or upload the single object to the CONTENT Server.

Upon clicking on the Import button, the object is removed from the Acquisition Station's Project Workbox and is uploaded to the Server.

Slide 12           CONTENT Acquisition Station software. You can access the CONTENT Server Administration from within the Acquisition Station software. Under the Administration pull-down menu, select Server.

Slide 13           CONTENT Server - Database Administration window. From this window, you can add and delete items from the database, add new fields to the database, modify database properties, and perform other administrative tasks.

Slide 14           CONTENT Server - Database Administration window. To make the uploaded object accessible to CONTENT searchers, two actions must be performed. First, the object must be added to the database (using the [Add new items](#) link). Second, the database must be rebuilt (using the [Build text index](#) link).

Slide 15           CONTENT Server - Database Administration window. By clicking on the [Add new items](#) link, you can view a list of pending items that have been uploaded from the Acquisition Station software to the Server. These items are not yet accessible to CONTENT database searchers. You can click on a link to review an item's metadata and its image.

Slide 16           CONTENT Server - Database Administration window. Click on the Add New Items button to add the object to the database.

Slide 17           CONTENT Server - Database Administration window. After adding one or more items to the database, you must build the text index in order to make the item(s) accessible to searchers.

Slide 18           CONTENT Server - Database Administration window. Click on the Start Build button to build the database index.

Slide 19           CONTENT Server - Database Administration window. Upon completion of the build, which normally takes less than 5 seconds to complete, a message indicates that the build of the text index was successful.

Once the database build is completed, CONTENT database searchers can retrieve the image file and the metadata information.

Slide 20           Transition slide.

Slide 21           CONTENT Server - Database Administration window. Click on [View/edit collection field properties](#) to view or edit the properties for a database field.

Slide 22           CONTENT Server - Database Administration window. Click on the [Photographer](#) link to view the properties for the field.

Slide 23           CONTENT Server - Database Administration window. The existing Photographer field properties appear on the screen. The field properties can be viewed or modified.

Slide 24           Transition slide.

Slide 25           CONTENT HTML client. A unique URL can be used to access a specific CONTENT database (for example, the URL shown in the Internet Explorer address entry box to open the Matura database).

Slide 26           CONTENT HTML client. Search terms can be entered into one or more of the field input boxes, or you can use the Dictionary feature, which provides an alphabetical listing of words available as search terms. In this search, the Description field has been selected for a Dictionary search.

Slide 27           CONTENT HTML client. By typing the first letter of terms, you can move quickly through the Dictionary list. Upon finding the desired term (in this case, "irrigation"), click on it to automatically enter the term into the Description search entry box.

Slide 28           CONTENT HTML client. Retrieval of search results. By clicking on a thumbnail image, you can retrieve a larger JPEG image and descriptive information.

Slide 29           CONTENT HTML client. This screen shows the JPEG service image associated with a database item. By clicking on the Description tab, you can view the metadata.

Slide 30           Metadata information for a database object. Note that WWW addresses are hyperlinked in the descriptive information, allowing you to jump directly to the sites referenced in the metadata.

Slide 31           Transition slide.

Slide 32           CONTENT Contextual client. CONTENT databases can be embedded into customized HTML documents. The CONTENT software can be used to generate search boxes, hyperlinks, and drop-down menus that retrieve search results.

Slide 33           CONTENT Contextual client. A drop-down menu is used to select a predefined search term from a list. In this case, the term "Hotels" is selected from the drop-down list.

Slide 34           CONTENT Contextual client. With the term selected, click on the Search button to execute the database search.

Slide 35           CONTENT Contextual client. The thumbnail images and Title information for the retrieved images appears on the screen. 29 items were retrieved during the search. Note that using the Contextual client, you can provide navigational links to other WWW pages (such as the links to the [MASC Home Page](#) and [Ordering Images](#) information page).

Slide 36           CONTENT Contextual client. Upon clicking on the thumbnail image, the JPEG service image and the metadata information appear on the screen. The CONTENT database builder can select which fields are hyperlinked in a database during a Contextual client search. In this case, the Title, Photographer, Subject, Date, and Type fields are linked.

Slide 37           Transition slide.