

Software User Bulletin 10-2005-01

Knowlagent Capability: StarTrainer

Software Version: All versions

Users Affected: Simulation developers

Feature/Use: Non-scrolling Page Containers used in simulations

Summary: When using non-scrolling Page Containers in simulations, make the Page Container dimensions exactly match the embedded application bitmap.

Background

Page Containers are Visual Objects used in StarTrainer *Designer* to embed a page within another page of a simulated application, according to a specified Page Container size and "host" page position. "**Non-scrolling**" Page Containers are meant to display the entire embedded application page, with no horizontal or vertical scrolling. StarTrainer 4.0.x systems, because of a software issue, disregard Page Container size and display embedded application pages in their unchanged "source" dimensions. StarTrainer 4.1.2 systems correctly interpret Page Container size, and re-size the dimensions of the embedded page to fit the container. On a 4.1.2 system, any incorrectly-sized pages embedded in non-scrolling Page Containers will display improperly when the simulation is run.

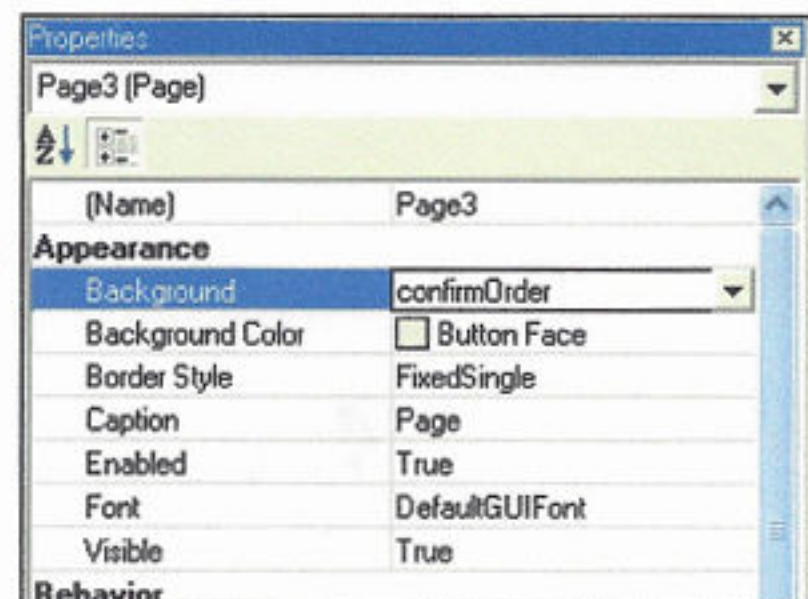
Problem Symptoms

If there is a Page Container sizing problem, when the simulation is run the embedded application's controls (buttons, menu lists, entry fields, and so on) will appear misaligned and out of place, or may overlap. If the embedded application bitmap is smaller than the Page Container, the application image will appear "stretched." If the application bitmap is larger than the Page Container, the application image will appear "squashed."

Best Practice Steps

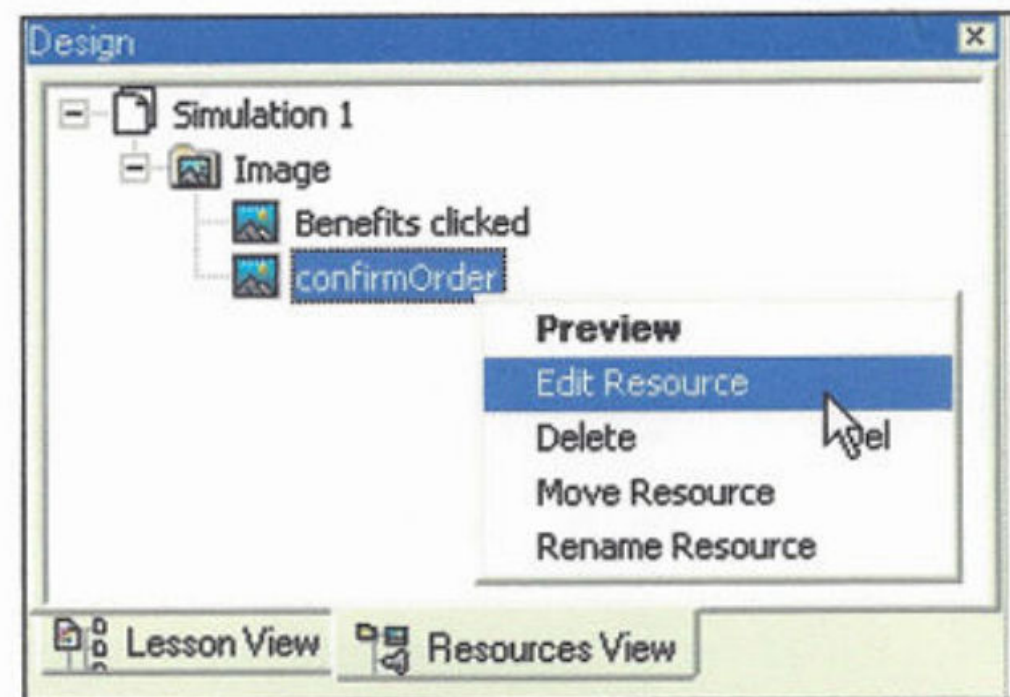
When using non-scrolling Page Containers, simulation developers should always ensure that the Page Container Width and Height properties exactly match the pixel size of the bitmap. This is done in StarTrainer *Designer* as follows:

1. Select the Page Container and note the "Contained Page" property specifying the page it contains.
2. In Lesson View of the **Design** sub-window, double-click the page contained by the Page Container.
3. In the **Properties** sub-window, note the page's "Background" property. The "Background" property specifies the name of the bitmap image for the selected page. The figure at right shows the "confirmOrder" application image used as the background for "Page3" (Steps Continued).



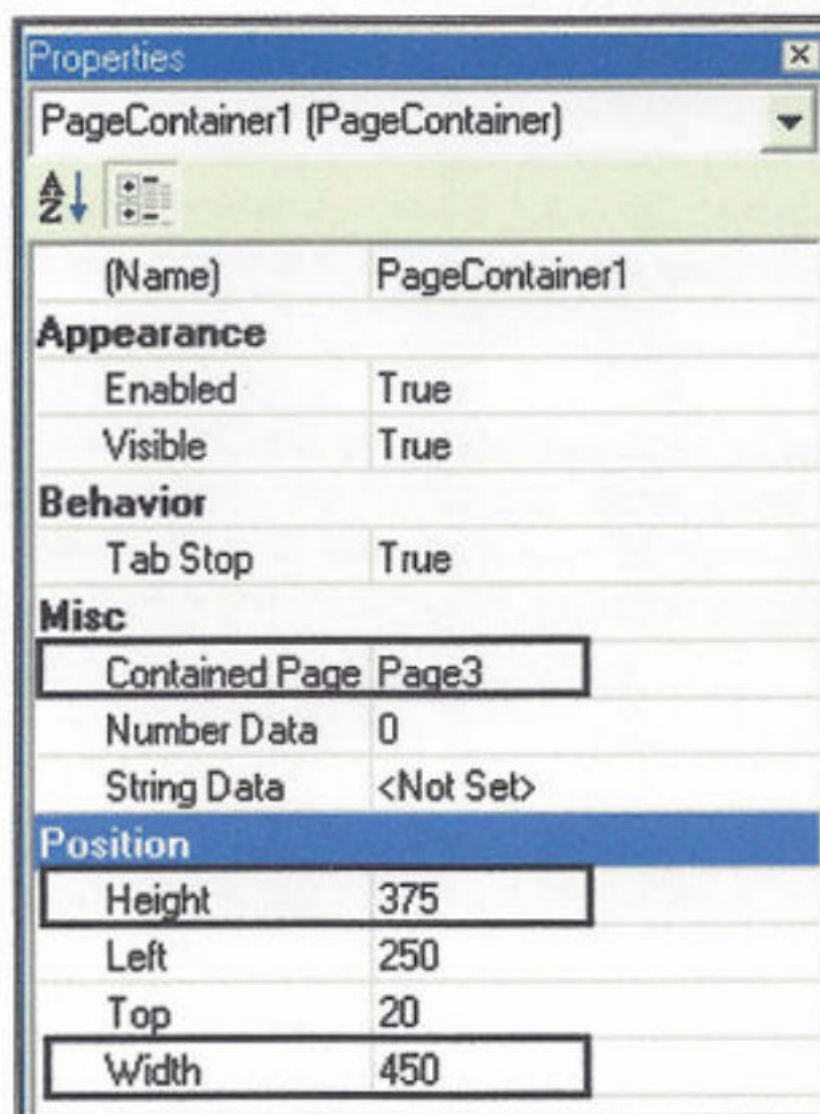
Identifying the page bitmap image

4. Select **Resources View** of the **Design** sub-window, right-click the image name, and choose **Edit Resource** as shown in the figure at right.
5. Open the image in the bitmap editor, and determine the bitmap width and height in pixels. The ways to do this will vary depending on the "default" bitmap editor your system uses (PhotoShop, Paint, and so on). See the bitmap editor's documentation for instructions on how to complete this step.



Editing an image resource

6. Select the Page Container that contains the page again.
7. In the Page Container "Properties" sub-window, enter the exact values for the pixel width and height of the application bitmap in the **Width** and **Height** fields of the "Position" area (see figure below).



Page Container Properties

8. Save and re-publish the simulation according to your standard publication procedures.

If you need further assistance to complete these best practice steps or with any information contained in this Software User Bulletin, please contact your Knowlagent Customer Care representative.