DIContainers v5.12.0 (16 Sep 2021) for Delphi 6-11 Alexandria

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DIContainers is a group of over a hundred separate container courses for Delphi (Embarcadero, CodeGear, Borland).

Four distinct container arrangements can be found:

- Hash containers
- Doubly-linked lists
- N-ary trees
- Vector containers

DIContainers is designed with simple customization in your mind. Unlike other libraries, it only divides a container' data and arrangement:

- **Data** refers to a single item from the container, such as an Integer number. The information layer is chiefly responsible for controlling the product's memory and copying, copying, and loading things. Data products in DIContainers are composed of memory effective Pascal records. Particular item handlers are careful to initialize and arrange items automatically as needed.
- **Construction** refers to the arrangement of things inside the container, such as linked records, linear vectors, etc... The arrangement determines how fast items can be inserted, manipulated, and retrieved from the container. Employing different handlers, the same structure can supply very different containers (see hierarchy on the right). To make a new container to get some information, it's often enough to reuse an already existing thing handler or make a new item handler for your new kind of information.
- **Sort**. In addition to the overall container courses, many readymade containers interface typed access for their things such as strings (WideStrings and AnsiStrings), different Number types, Objects, Pointer, and various mixtures of the aforementioned. Over 100 of those containers are ready to use directly from the box.

Advanced container operations comprise cross-container missions (i.e. from lists to vectors) and cascading streaming.

The picture to the right shows the class hierarchy of containers comprised of DIContainers. Bold font marks significant classes like thing handlers and construction containers. Their descendant courses in regular font supply typed access for their things. The picture has been automatically generated in the DIContainers library by one of the demonstration programs.

DIContainers is a collection of countless Delphi container classes used for both Embarcadero, CodeGear and Borland environments. These courses are organized in four basic hash classes, replicate link lists, various trees, and vectors. Utilizing this collection doesn't need to be customized, and contrary to other libraries, it's organized, so the structure and data of these courses are split. The information is really what's recorded as separate products, for instance text data, numerical data, and so forth. This information is responsible for memory management and appropriate use. They also have supplied strategies for copying, exporting, supplying input and output flows, and so forth. After utilizing the information, it automatically disappears along with the memory area is freed.

The arrangement also clarifies how data items are organized. Whether the things fit together within a construction such as a linked list or as vectors and other structures inside the activities of the segment, it's a structure which permits you to determine how fast things will be added to the record, their priority and delay, direction and buffering, etc. Interestingly, the data can readily be used with various structures. You do not need to change between the 2 structures, to satisfy that procedure's organizational demands. Each of the library courses is all well-categorized and covers nearly all of your container needs in Delphi.

- Over countless distinct classes for maximum use of container kinds

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标签

Components VCL Delphi

- Separation of Algorithm Construction from Data to Handle Their Isolation
- Usable in different surroundings, Embarcadero, CodeGear, Borland
- Classify the hierarchical courses

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