GNATcoll Bindings - Iconv Documentation

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AdaCore

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This package provides a binding to the libiconv library. This library is standard on most Unix systems. When it is not provided by the system, the GNU libiconv package can be installed instead.

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USING GNATCOLL.ICONV

Use the `gnatcoll_iconv` project in your project files. For instance:

```
with "gnatcoll_iconv";
project Default is
    ...
end Default;
```

API

The whole API is documented in `gnatcoll-iconv.ads`. Here is a simple code sample that converts from iso-8859-1 encoding to UTF8:

```ada
with GNATCOLL.Iconv;    use GNATCOLL.Iconv;
procedure Main is
   EAcute : constant Character := Character'Val (16#E9#);
   --  in iso-8859-1

   Result : constant String := Iconv
      ("Some string " & EAcute,
       To_Code => UTF8,
       From_Code => ISO_8859_1);
begin
   null;
end Main;
```

A more advanced (and somewhat more efficient) API is available via the `Iconv` procedure. In that procedure, you control the input and output buffers, so you will need less overall memory when you are converting big buffers.

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