

DOCUMENTATION

Table of Contents Class Inheritance Tree

```
1. --
2. -- Uwe R. Zimmer, Australia, September 2011
3. --
4.
5. package body Generic Router LinksTo API docTo spec is
6.
7.   function To Router PortsTo API docTo spec (Task IdTo API docTo spec :
      Router RangeTo API docTo spec; LinksTo API docTo spec : Ids To LinksTo API
      docTo spec) return Connected Router PortsTo API docTo spec is
8.
9.     No_of_Links : Natural := 0;
10.
11.   begin
12.     for Router_Id in Router RangeTo API docTo spec loop
13.       if Task IdTo API docTo spec /= Router_Id and then LinksTo API docTo
          spec (Router_Id) /= Null ReferenceTo API docTo spec then
14.         No_of_Links := No_of_Links + 1;
15.       end if;
16.     end loop;
17.   declare
18.     Channels    : Connected Router PortsTo API docTo spec (1 ..
          No_of_Links);
19.     Channel_Ix : Positive range Channels'Range :=
          Channels'First;
20.   begin
21.     for Router_Id in Router RangeTo API docTo spec loop
22.       if Task IdTo API docTo spec /= Router_Id and then LinksTo API
          docTo spec (Router_Id) /= Null ReferenceTo API docTo spec then
23.         Channels (Channel_Ix) := (Id => Router_Id, Link => LinksTo API
          docTo spec (Router_Id));
```

```
24.         if Channel_Ix < Channels'Last then
25.             Channel_Ix := Channel_Ix + 1;
26.         end if;
27.     end if;
28. end loop;
29.     return Channels;
30. end;
31. end To Router PortsTo API docTo specTo body;
32.
33. end Generic Router LinksTo API docTo specTo body;
```

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