Package: *Routers_Configuration_Structures*

- Goto spec source
- Goto body source

DESCRIPTION

```
package Routers_Configuration_Structures is
```

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TYPES

Preconfigured_Topologies

- **Goto declaration in source**

```
type Preconfigured_Topologies is (Line, Ring, Star, Fully_Connected, Tree, Mesh, Torus, Hypercube,
```

declaration)
9 (reference)

test_routers.adb:26:77 (
test_routers.adb:55:71 (
test_routers.adb:314:57

Test_Modes

- **Goto declaration in source**

```
type Test_Modes is (One_To_All, All_to_One);
```

References:
routers_configuration_structures.ads:11:9 (declaration)
routers_configuration_structures.ads:23:29 (reference)
test_routers.adb:40:77 (reference)
test_routers.adb:64:72 (reference)

Command_Line_Options

- **Goto declaration in source**

```
type Command_Line_Options is record
    Selected_Topology   : Preconfigured_Topologies := Cube_Connected_Cycles;
    Size                : Positive                 := 20;
    Degree              : Positive                 := 3;
    Depths              : Positive                 := 4;
    Dimension           : Positive                 := 3;
    Print_Connections   : Boolean                  := True;
    Print_Distances     : Boolean                  := True;
    Routers_Settle_Time : Duration                 := 0.1;
    Comms_Timeout       : Duration                 := 0.1;
    Test_Mode           : Test_Modes               := One_To_All;
    Dropouts            : Natural                  := 0;
  end record;
```

References:
routers_configuration_structures.ads:13:9 (declaration)

SUBPROGRAMS & ENTRIES

Get_Topology

- **Goto spec in source**
- **Goto body in source**

```
function Get_Topology
```

(Command_Line_Parameters : Command_Line_Options)
return Topology_Kind'Class;

References:
routers_configuration_structures.ads:27:13 (declaration)
(call)
(body)
(label)

Topologies.Butterfly defi:25:13
Topologies.Cube_Conn at *topologies.ads:24:13*
*Topologies.Fully_Conne*gies.ads:19:13
Topologies.Hypercube dds:23:13
Topologies.Line defined at *topologies.ads:16:13*
Topologies.Mesh defined at *topologies.ads:21:13*
Topologies.Ring defined at *topologies.ads:17:13*
Topologies.Star defined at *topologies.ads:18:13*
Topologies.Torus defined at *topologies.ads:22:13*
Topologies.Trees defined at *topologies.ads:20:13*
Topologies.Wrap_Around_Butterfly defined at *topologies.ads:26:13*

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