### **DOCUMENTATION**

**Table of Contents** Class Inheritance Tree

### NAVIGATION

Description **Types** Subprograms & Entries

Package: Topologies

- Goto spec source\_
- Goto body source

## DESCRIPTION

package Topologies is

Uwe R. Zimmer, Australia, September 2011

# **TYPES**

# Topology, Kind (abstract) ssignment Project Exam Help

type Topology\_Kind is interface;

# https://eduassistpro.github.io/

routers configuration structures.adb:7:82 (reference) routers\_configuration\_st ference)

### @dlows.ed:9.4727ff edu topologies.adb:13:47 (re

topologies.adb:21:44 (reference)

topologies.adb:442:41 (reference)

topologies.adb:466:41 (reference)

topologies.adb:492:65 (reference)

topologies.adb:493:65 (reference)

topologies.adb:494:65 (reference)

topologies.adb:495:65 (reference)

topologies.adb:496:65 (reference)

topologies.adb:497:65 (reference)

topologies.adb:498:65 (reference)

topologies.adb:499:65 (reference)

topologies.adb:500:65 (reference)

topologies.adb:501:65 (reference)

topologies.adb:502:65 (reference)

topologies.ads:9:48 (reference)

topologies.ads:10:48 (reference)

topologies.ads:13:48 (reference)

topologies.ads:14:48 (reference)

topologies.ads:16:71 (reference)

topologies.ads:17:71 (reference)

topologies.ads:18:71 (reference)

topologies.ads:19:71 (reference)

topologies.ads:20:71 (reference)

```
topologies.ads:21:71 (reference)
topologies.ads:22:71 (reference)
topologies.ads:23:71 (reference)
topologies.ads:24:71 (reference)
topologies.ads:25:71 (reference)
topologies.ads:26:71 (reference)
```

# SUBPROGRAMS & ENTRIES

### Nodes\_in\_Topology (abstract)

Goto spec in source\_

#### **References:**

topologies.ads:9:13 (declaration)

generic\_routers\_configuration.ads:15:49 (dispatching call)

test\_routers.adb:331:60 (dispatching call) topologies.adb:444:50 (dispatching call) topologies.adb:468:50 (dispatching call)

#### Called by:

Max\_Degree defined at topologies.ads:14:13

Assign Hip Degree Polined at topplomes ads:13:18 Lelp

function Nodes\_con https://eduassistpro.github.io/

Configu Top ration Add WeChair edu\_assist\_pro

Node\_ : Positive)
A, return
Node\_ Boolean is
B abstract;

#### **References:**

topologies.ads:10:13 (declaration)

generic\_routers.adb:41:61 (dispatching call) test\_routers.adb:123:25 (dispatching call) test\_routers.adb:125:28 (dispatching call) topologies.adb:454:19 (dispatching call) topologies.adb:478:19 (dispatching call)

#### Called by:

Max\_Degree defined at topologies.ads:14:13

Min\_Degree defined at topologies.ads:13:13

Test\_Routers.Print\_Connections defined at test\_routers.adb:102:20
Test\_Routers.Print\_Connections defined at test\_routers.adb:102:20

Min\_Degree

- Goto spec in source\_
- Goto body in source\_

```
nd'Class)
              on
                                      return
                                      Natural:
                       References:
                       topologies.ads:13:13 (declaration)
                       test_routers.adb:332:13 (call)
                       test_routers.adb:333:61 (call)
                       test routers.adb:335:60 (call)
                       topologies.adb:442:13 (body)
                       topologies.adb:462:8 (label)
                       Called by:
                       Test Routers defined at test routers.adb:17:11
                       Test Routers defined at test routers.adb:17:11
                       Test Routers defined at test routers.adb:17:11
                       Calls:
                       Nodes Connected defined at topologies.ads:10:13
                       Nodes in Topology defined at topologies.ads:9:13
                       Max Degree

    Goto spec in source_

    Goto body in source_

function Max_Degree
           Assignment Project Exam Help
                   https://eduassistpro.github.io/
                       topologies.ads:14:13 (d
                       ttt rowere (ប្រជាជ្រាជ្ជ edu_assist_pro
                       topologies.adb:466:13 (body)
                       topologies.adb:486:8 (label)
                       Called by:
                       Test_Routers defined at test_routers.adb:17:11
                       Test Routers defined at test routers.adb:17:11
                       Calls:
                       Nodes_Connected defined at topologies.ads:10:13
                       Nodes_in_Topology defined at topologies.ads:9:13
                       Line

    Goto spec in source_

    Goto body in source

function Line
                              : Positive)
                              return
 (
      Size
                              Topology Ki
                              nd'Class:
                       References:
                       topologies.ads:16:13 (declaration)
                       routers_configuration_structures.adb:13:47 (call)
                       topologies.adb:492:13 (body)
                       Called by:
                       Routers_Configuration_Structures.Get_Topology defined at
```

```
routers configuration structures.ads:27:13
                       Ring

    Goto spec in source_

    Goto body in source

function Ring
                              : Positive)
                              return
      Size
                              Topology Ki
                              nd'Class:
                       References:
                       topologies.ads:17:13 (declaration)
                       routers_configuration_structures.adb:14:47 (call)
                       topologies.adb:493:13 (body)
                       Called by:
                       Routers_Configuration_Structures.Get_Topology defined at
                       routers_configuration_structures.ads:27:13
                       Star

    Goto spec in source_

    Goto body in source_

function Star
                              : Positive)
     Size Assignment of Project Exam Help
                              nd'Class:
                   https://eduassistpro.github.io/
                       routers_configuration_structures.adb:15:47 (call)
                       topologies adb:494:13 (
                      dddweChat edu assist
                       Routers_Configuration
                                                                 ogy defined at
                       routers_configuration_structures.ads:27:13
                       Fully Connected

    Goto spec in source_

    Goto body in source_

function Fully_Connected
                              : Positive)
                              return
 (
      Size
                              Topology_Ki
                              nd'Class:
                       References:
                       topologies.ads:19:13 (declaration)
                       routers configuration structures.adb:16:47 (call)
                       topologies.adb:495:13 (body)
                       Called by:
                       Routers_Configuration_Structures.Get_Topology defined at
                       routers configuration structures.ads:27:13
                       Trees

    Goto spec in source_

    Goto body in source_

function Trees
                                        : Positive)
                Degree,
```

```
return
                Depths
                                       Topology Ki
                                       nd'Class;
                      References:
                      topologies.ads:20:13 (declaration)
                      routers_configuration_structures.adb:17:47 (call)
                      topologies.adb:496:13 (body)
                      Called by:
                      Routers_Configuration_Structures.Get_Topology defined at
                      routers_configuration_structures.ads:27:13
                      Mesh

    Goto spec in source_

    Goto body in source_

function Mesh
                                        : Positive)
                Dimensi
                                        return
 (
                                        Topology Ki
                on,
                                        nd'Class:
                      References:
                      topologies.ads:21:13 (declaration)
                      routers_configuration_structures.adb:18:47_(call)
          Assignmenta Project Exam Help
                       Called by:
                                                             pology defined at
                  https://eduassistpro.github.io/
                  Add WeChattedu_assist_pro
function Torus
                Dimensi
                                        return
 (
                                        Topology Ki
                on,
                                        nd'Class:
                      References:
                      topologies.ads:22:13 (declaration)
                      routers_configuration_structures.adb:19:47 (call)
                      topologies.adb:498:13 (body)
                      Called by:
                      Routers Configuration Structures. Get Topology defined at
                      routers_configuration_structures.ads:27:13
                      Hypercube

    Goto spec in source_

    Goto body in source_

function Hypercube
                                   : Positive)
                                   return
 (
           Dimension
                                   Topology_Ki
                                   nd'Class;
                      References:
                      topologies.ads:23:13 (declaration)
```

routers\_configuration\_structures.adb:20:47 (call)

```
Routers Configuration Structures. Get Topology defined at
                       routers configuration structures.ads:27:13
                       Cube Connected Cycles

    Goto spec in source_

    Goto body in source_

function Cube_Connected_Cycles
                                   : Positive)
                                   return
 (
           Dimension
                                   Topology Ki
                                   nd'Class:
                       References:
                       topologies.ads:24:13 (declaration)
                       routers configuration structures.adb:21:47 (call)
                       topologies.adb:500:13 (body)
                       Called by:
                       Routers_Configuration_Structures.Get_Topology defined at
                       routers configuration structures.ads:27:13
                       Butterfly

    Goto spec in source_

function By Assignment Project Exam Help
                                   : Positive)
           Dimens
 (
                   https://eduassistpro.github.io/
                      References:

delow entire edu_assist
                       routers configuration st
                       topologies.adb:501:13 (body)
                       Called by:
                       Routers Configuration Structures. Get Topology defined at
                       routers configuration structures.ads:27:13
                       Wrap Around Butterfly

    Goto spec in source

    Goto body in source_

function Wrap_Around_Butterfly
                                   : Positive)
                                   return
 (
            Dimension
                                   Topology Ki
                                   nd'Class;
                       References:
                       topologies.ads:26:13 (declaration)
                       routers_configuration_structures.adb:23:47 (call)
                       topologies.adb:502:13 (body)
                       Called by:
                       Routers_Configuration_Structures.Get_Topology defined at
                       routers configuration structures.ads:27:13
```

topologies.adb:499:13 (body)

Called by:

**INDEX** 

Assignment Project Exam Help

https://eduassistpro.github.io/
Add WeChat edu\_assist\_pro