Node(bpy_struct)

```
base class — bpy_struct
subclasses — NodeCustomGroup, NodeInternal
class bpy.types.Node(bpy_struct)
    Node in a node tree
     bl description
         TYPE:
              string, default ", (never None)
     bl_height_default
         TYPE:
              float in [0, inf], default 0.0
     bl_height_max
         TYPE:
              float in [0, inf], default 0.0
     bl_height_min
         TYPE:
              float in [0, inf], default 0.0
     bl icon
         The node icon
         TYPE:
              enum in Icon Items, default 'NODE'
     bl idname
         TYPE:
              string, default ", (never None)
     bl label
         The node label
         TYPE:
              string, default ", (never None)
     bl_static_type
         Legacy unique node type identifier, redundant with bl_idname property
         TYPE:
              string, default ", (readonly, never None)
     bl_width_default
         TYPE:
              float in [0, inf], default 0.0
     bl width max
         TYPE:
              float in [0, inf], default 0.0
```

```
bl_width_min
   TYPE:
        float in [0, inf], default 0.0
color
   Custom color of the node body
   TYPE:
        mathutils.Color of 3 items in [0, 1], default (0.0, 0.0, 0.0)
color_tag
   Node header color tag
    • NONE None - Default color tag for new nodes and node groups.
    • ATTRIBUTE Attribute.
    • COLOR Color.
    • CONVERTER Converter.
    • DISTORT Distort.
    • FILTER Filter.
    • GEOMETRY Geometry.
    • INPUT Input.
    • MATTE Matte.
    • OUTPUT Output.
    • SCRIPT Script.
    • SHADER Shader.
    • TEXTURE Texture.
    • VECTOR Vector.
    • PATTERN Pattern.
    • INTERFACE Interface.
   • GROUP Group.
   TYPE:
        enum in ['NONE', 'ATTRIBUTE', 'COLOR', 'CONVERTER', 'DISTORT', 'FILTER', 'GEOMETRY', 'INPUT', 'MATTE',
        'OUTPUT', 'SCRIPT', 'SHADER', 'TEXTURE', 'VECTOR', 'PATTERN', 'INTERFACE', 'GROUP'], default 'NONE', (readon
dimensions
   Absolute bounding box dimensions of the node
   TYPE:
        mathutils. Vector of 2 items in [-inf, inf], default (0.0, 0.0), (readonly)
height
   Height of the node
   TYPE:
        float in [-inf, inf], default 0.0
hide
   TYPE:
        boolean, default False
```

inputs

TYPE:

```
internal links
    Internal input-to-output connections for muting
    TYPE:
         bpy_prop_collection of NodeLink, (readonly)
label
    Optional custom node label
    TYPE:
        string, default "", (never None)
location
    Location of the node within its parent frame
    TYPE:
         mathutils. Vector of 2 items in [-1e+06, 1e+06], default (0.0, 0.0)
location absolute
    Location of the node in the entire canvas
    TYPE:
         mathutils. Vector of 2 items in [-1e+06, 1e+06], default (0.0, 0.0)
mute
    TYPE:
        boolean, default False
name
    Unique node identifier
    TYPE:
        string, default ", (never None)
outputs
    TYPE:
         NodeOutputs bpy prop collection of NodeSocket, (readonly)
parent
    Parent this node is attached to
    TYPE:
         Node
select
    Node selection state
    TYPE:
        boolean, default False
show_options
    TYPE:
        boolean, default False
```

show_preview

NodeInputs bpy_prop_collection of NodeSocket, (readonly)

```
boolean, default False
show_texture
    Display node in viewport textured shading mode
    TYPE:
         boolean, default False
type
    Legacy unique node type identifier, redundant with bl_idname property
    TYPE:
         string, default ", (readonly, never None)
use_custom_color
    Use custom color for the node
    TYPE:
         boolean, default False
warning_propagation
    The kinds of messages that should be propagated from this node to the parent group node
    TYPE:
         enum in ['ALL', 'NONE', 'ERRORS', 'ERRORS_AND_WARNINGS'], default 'ALL'
width
    Width of the node
    TYPE:
         float in [-inf, inf], default 0.0
socket_value_update(context)
    Update after property changes
classmethod is_registered_node_type()
    True if a registered node type
    RETURNS:
         Result
    RETURN TYPE:
         boolean
classmethod poll(node_tree)
    If non-null output is returned, the node type can be added to the tree
    PARAMETERS:
         node tree (NodeTree) - Node Tree
    RETURN TYPE:
         boolean
poll instance(node tree)
    If non-null output is returned, the node can be added to the tree
    PARAMETERS:
```

TYPE:

```
node_tree ( NodeTree ) - Node Tree
    RETURN TYPE:
         boolean
update()
    Update on node graph topology changes (adding or removing nodes and links)
insert_link(link)
    Handle creation of a link to or from the node
    PARAMETERS:
         link (NodeLink, (never None)) - Link, Node link that will be inserted
init(context)
    Initialize a new instance of this node
copy(node)
    Initialize a new instance of this node from an existing node
    PARAMETERS:
         node (Node, (never None)) - Node, Existing node to copy
free()
    Clean up node on removal
draw_buttons(context, layout)
    Draw node buttons
    PARAMETERS:
         \textbf{layout} \ ( \, \texttt{UILayout} \ , \ (\text{never None})) - Layout, \ Layout \ \text{in the } UI
draw_buttons_ext(context, layout)
    Draw node buttons in the sidebar
    PARAMETERS:
         layout (UILayout, (never None)) - Layout, Layout in the UI
draw label()
    Returns a dynamic label string
    RETURNS:
         Label
    RETURN TYPE:
         string, (never None)
debug zone body lazy function graph()
    Get the internal lazy-function graph for the body of this zone
    RETURNS:
         Dot Graph, Graph in dot format
    RETURN TYPE:
         string
```

debug_zone_lazy_function_graph()

Get the internal lazy-function graph for this zone

```
RETURNS:
        Dot Graph, Graph in dot format
   RETURN TYPE:
        string
classmethod bl rna get subclass(id, default=None)
   PARAMETERS:
        id(str) – The RNA type identifier.
   RETURNS:
        The RNA type or default when not found.
   RETURN TYPE:
        bpy.types.Struct subclass
classmethod bl_rna_get_subclass_py(id, default=None)
   PARAMETERS:
        id (str) – The RNA type identifier.
   RETURNS:
        The class or default when not found.
    RETURN TYPE:
        type
```

Inherited Properties

• bpy struct.id data

Inherited Functions

- bpy struct.as pointer • bpy struct.driver add • bpy_struct.driver_remove • bpy struct.get • bpy_struct.id_properties_clear • bpy struct.id properties ensure • bpy_struct.id_properties_ui • bpy_struct.is_property_hidden • bpy_struct.is_property_overridable_library • bpy_struct.property_unset • bpy struct.is property readonly • bpy_struct.is_property_set
 - bpy struct.items
 - bpy struct.keyframe delete
 - bpy_struct.keyframe_insert
 - bpy_struct.keys
 - bpy_struct.path_from_id
 - bpy struct.path resolve
 - bpy struct.pop
 - bpy_struct.property_overridable_library_set

 - bpy struct.type recast
 - bpy_struct.values

References

- bpy.context.active node
- bpy.context.selected nodes
- bpy.context.texture_node
- GeometryNodeForeachGeometryElementInput.paired output
- GeometryNodeMenuSwitch.enum definition

- NodeTreeInterfaceSocketImage.i
- NodeTreeInterfaceSocketInt.fro
- NodeTreeInterfaceSocketInt.ini
- NodeTreeInterfaceSocketIntFact
- NodeTreeInterfaceSocketIntFact

- GeometryNodeRepeatInput.paired output
- GeometryNodeSimulationInput.paired output
- Node.copy
- Node.parent
- NodeLink.from node
- NodeLink.to node
- NodeSocket.draw
- NodeSocket.draw color
- NodeSocket.node
- NodeSocketStandard.draw
- NodeSocketStandard.draw color
- NodeTree.nodes
- NodeTreeInterfaceSocket.from socket
- NodeTreeInterfaceSocket.init socket
- NodeTreeInterfaceSocketBool.from socket
- NodeTreeInterfaceSocketBool.init socket
- NodeTreeInterfaceSocketCollection.from socket
- NodeTreeInterfaceSocketCollection.init socket
- NodeTreeInterfaceSocketColor.from socket
- NodeTreeInterfaceSocketColor.init socket
- NodeTreeInterfaceSocketFloat.from socket
- NodeTreeInterfaceSocketFloat.init socket
- NodeTreeInterfaceSocketFloatAngle.from socket
- NodeTreeInterfaceSocketFloatAngle.init socket
- NodeTreeInterfaceSocketFloatColorTemperature.from socket NodeTreeInterfaceSocketVectorA
- NodeTreeInterfaceSocketFloatColorTemperature.init socket NodeTreeInterfaceSocketVectorA
- NodeTreeInterfaceSocketFloatDistance.from socket
- NodeTreeInterfaceSocketFloatDistance.init socket
- NodeTreeInterfaceSocketFloatFactor.from socket
- NodeTreeInterfaceSocketFloatFactor.init socket
- NodeTreeInterfaceSocketFloatFrequency.from socket
- NodeTreeInterfaceSocketFloatFrequency.init socket
- NodeTreeInterfaceSocketFloatPercentage.from socket
- NodeTreeInterfaceSocketFloatPercentage.init socket
- NodeTreeInterfaceSocketFloatTime.from socket
- NodeTreeInterfaceSocketFloatTime.init socket
- NodeTreeInterfaceSocketFloatTimeAbsolute.from socket
- NodeTreeInterfaceSocketFloatTimeAbsolute.init socket
- NodeTreeInterfaceSocketFloatUnsigned.from socket
- NodeTreeInterfaceSocketFloatUnsigned.init socket
- NodeTreeInterfaceSocketFloatWavelength.from socket
- NodeTreeInterfaceSocketFloatWavelength.init socket
- NodeTreeInterfaceSocketGeometry.from socket
- NodeTreeInterfaceSocketGeometry.init socket
- NodeTreeInterfaceSocketImage.from socket

- NodeTreeInterfaceSocketIntPerc
- NodeTreeInterfaceSocketIntPerc
- NodeTreeInterfaceSocketIntUnsi
- NodeTreeInterfaceSocketIntUnsi
- NodeTreeInterfaceSocketMateria
- NodeTreeInterfaceSocketMateria
- NodeTreeInterfaceSocketMatrix.
- NodeTreeInterfaceSocketMatrix.
- NodeTreeInterfaceSocketMenu.fr
- NodeTreeInterfaceSocketMenu.in
- NodeTreeInterfaceSocketObject.
- NodeTreeInterfaceSocketObject.
- NodeTreeInterfaceSocketRotatio
- NodeTreeInterfaceSocketRotatio
- NodeTreeInterfaceSocketShader.
- NodeTreeInterfaceSocketShader.
- NodeTreeInterfaceSocketString.
- NodeTreeInterfaceSocketString.
- NodeTreeInterfaceSocketStringF
- NodeTreeInterfaceSocketStringF
- NodeTreeInterfaceSocketTexture
- NodeTreeInterfaceSocketTexture
- NodeTreeInterfaceSocketVector.
- NodeTreeInterfaceSocketVector.

- NodeTreeInterfaceSocketVectorD
- NodeTreeInterfaceSocketVectorD
- NodeTreeInterfaceSocketVectorE
- NodeTreeInterfaceSocketVectorE
- NodeTreeInterfaceSocketVectorT
- NodeTreeInterfaceSocketVectorT
- NodeTreeInterfaceSocketVectorV
- NodeTreeInterfaceSocketVectorV
- NodeTreeInterfaceSocketVectorX
- NodeTreeInterfaceSocketVectorX
- Nodes.active
- Nodes.new
- Nodes.remove
- NodesModifierBake.node
- RenderEngine.update script nod
- SpaceNodeEditorPath.append
- UILayout.template node inputs
- UILayout.template node link
- UILayout.template node view

.....(opj_onee)

Report issue on this page

•1

IVIAUC WILLI FULO