Node Descriptor Element

A `node` element defines an IceGrid node. The servers that the node is responsible for managing are described in child elements.

This element may only appear as a child of an `application` element. Multiple `node` elements having the same name may appear in an application. Their contents are merged and the last definition of `load-factor` has precedence.

The following attributes are supported:

Attribute	Description	Required
load-factor	A floating point value defining the factor that is multiplied with the node's load average. The load average is used by the adaptive load balancing policy to figure out which node is the least loaded. The default is `1.0` on Unix platforms and `1/NCPUS` on Windows (where `NCPUS` is the number of CPUs in the node's computer). Note that, if Unix and Windows machines are part of a replica group, the Unix and Windows figures are not directly comparable, but the registry still makes an attempt to pick the least-loaded node.	No
name	The name must be unique among all nodes in the registry. Within the node, child elements can refer to its name using the reserved variable `${node}`. An `icegridnode` process representing this node must be started on the desired computer and its configuration property `IceGrid.Node.Name` must match this attribute.	Yes

Here is an example to demonstrate the use of this element:

XML

```xml
<node name="Node1" load-factor="2.0">
    <description>A description of this node.</description>
    <server id="Server1" ...>
        <property name="NodeName" value="${node}"/>
        ...
    </server>
</node>
```

See Also

- Application Descriptor Element
- Load Balancing
- Object Adapter Replication
- icegridnode