

## Configuring Logical System Interface Properties

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With JUNOS software, you can partition a single physical routing platform into multiple logical devices that perform independent routing tasks. Because logical systems perform a subset of the tasks once handled by the physical routing platform, logical systems offer an effective way to maximize the use of a single router platform.

You can include the following logical system statements:

```
[edit logical-systems logical-system-name]  
interfaces interface-name {  
    unit logical-unit-number {  
        logical-interface-statements;  
    }  
}  
policy-options {  
    policy-options-statements;  
}  
protocols {  
    protocols-statements;  
}  
routing-instances {  
    routing-instances-statements;  
}  
routing-options {  
    routing-options-statements;  
}
```

For an overview of logical systems, see the *JUNOS Feature Guide*. For detailed information about logical system configuration, see the *JUNOS Routing Protocols Configuration Guide*. For information about configuring peer relationships between logical systems, see *JUNOS Services Interfaces Configuration Guide*.

To configure interface properties of a logical system, you must include the following statements at the [edit logical-systems *logical-system-name*] hierarchy level:

```
[edit logical-systems logical-system-name]  
interfaces interface-name {  
    unit logical-unit-number {  
        logical-interface-statements;  
    }  
}
```

### Example: Configuring Logical System Interface Properties

Configure a logical system's interface properties:

```
[edit interfaces t3-0/0/1]  
description "Physical interface to be partitioned into multiple logical systems";  
[edit logical-systems 1-on-t3-0/0/1]  
interfaces t3-0/0/1 {  
    unit 1 {  
        family inet {
```

```
        address 10.0.0.1/32 {  
            destination 10.0.0.2;  
        }  
    }  
}
```