

FAQ of NS2

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How to change transmission range

First, you need to compile threshold.cc. Then you can obtain corresponding value of RxThresh_, and set the value. In the following example, you can get RxThresh_ value corresponding to 100 meter.

```
$ cd ns-2.??/indep-utils/propagation/  
$ g++ -lm threshold.cc -o threshold  
  
$ ./threshold -m TwoRayGround 100
```

Then, set the variable in your TCL file, for example:

```
Phy/WirelessPhy set RxThresh_ 3.65262e-10
```

How to access a routing agent from a TCL file

The instance of mobilenode defined in tcl/lib/ns-mobilenode.tcl has a variable, "ragent", which is the instance of routing agent. You can add a method which returns the instance of routing agent at the tcl/lib/ns-mobilenode.tcl.

```
Node/MobileNode instproc get-ragent {} {  
    $self instvar ragent_  
    return $ragent_  
}
```

The, you can directly access a routing agent from your tcl script.

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