
MODULE *SDRAN*

EXTENDS *API*

CONSTANT *OK, Error*

CONSTANT *TopoNodes*

LOCAL *Topo* \triangleq INSTANCE *Topo* WITH *Nodes* \leftarrow *TopoNodes*

CONSTANT *E2TNodes*

LOCAL *E2T* \triangleq INSTANCE *E2T* WITH *Nodes* \leftarrow *E2TNodes*

CONSTANT *E2Nodes*

LOCAL *E2Node* \triangleq INSTANCE *E2Node* WITH *Nodes* \leftarrow *E2Nodes*

CONSTANT *xApps*

LOCAL *xApp*(*app, nodes*) \triangleq INSTANCE *xApp* WITH *App* \leftarrow *app, Nodes* \leftarrow *nodes*

Init \triangleq

\wedge *API!E2AP!Init*
 \wedge *API!E2T!Init*
 \wedge *API!Topo!Init*
 \wedge *Topo!Init*
 \wedge *E2T!Init*
 \wedge *E2Node!Init*
 $\wedge \forall app \in \text{DOMAIN } xApps : xApp(app, xApps[app])!Init$

Next \triangleq

\vee *API!E2AP!Next*
 \vee *API!E2T!Next*
 \vee *API!Topo!Next*
 \vee *Topo!Next*
 \vee *E2T!Next*
 \vee *E2Node!Next*
 $\vee \exists app \in \text{DOMAIN } xApps : xApp(app, xApps[app])!Next$

\ * Modification History
 \ * Last modified *Fri Aug 13 15:39:15 PDT 2021* by *jordanhalterman*
 \ * Created *Tue Aug 10 04:53:48 PDT 2021* by *jordanhalterman*