Alterações nos arquivos-fonte:

/inet/src/transport/sctp/SCTPAssociationRcvMessage.cc

Função SCTPAssociation::processSackArrived() -> Linha 1512

// ====== Delay-centric Implementation =====================================

if (sctpMain->par("enableDelaycentric")) {

for (SCTPPathMap::iterator piter = sctpPathMap.begin(); piter != sctpPathMap.end(); piter++) {

SCTPPathVariables\* analizedPath = piter->second;

SCTPPathVariables\* primaryPath = state->getPrimaryPath();

if(analizedPath != primaryPath && analizedPath->activePath) { // Reactive Delay-centric method

if(!sctpMain->par("enablePredictiveDelaycentric")) {

if (primaryPath->srtt > analizedPath->srtt + sctpMain->par("hysteresis")) { // Change Primary Path

state->setPrimaryPath(analizedPath);

sctpEV3 << "Changed Primary Path, new srtt = " << analizedPath->srtt << endl;

}

}

/\* else { // Predictive Delay-centric method

double dPrimary = primaryPath->srtt\_s - primaryPath->srtt\_l;

double dAnalized = analizedPath->srtt\_s - analizedPath->srtt\_l;

if(dPrimary > dAnalized && primaryPath->srtt\_s > sctpMain->par("switchoverThreshold") && primaryPath->srtt\_s > analizedPath->srtt\_s) {

state->setPrimaryPath(analizedPath);

sctpEV3 << "Changed Primary Path, new srtt = " << analizedPath->srtt\_s << endl;

}

}\*/

}

}

}

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Função SCTPAssociation::processHeartbeatAckArrived() -> Linha 2306

// ====== Delay-centric Implementation =====================================

if(sctpMain->par("enableDelaycentric")) {

SCTPPathVariables\* primaryPath = state->getPrimaryPath();

if(path != primaryPath && path->activePath) {

if (primaryPath->srtt > path->srtt + sctpMain->par("hysteresis")) // Change Primary Path

state->setPrimaryPath(path);

sctpEV3 << "Changed Primary Path, srtt = " << path->srtt << endl;

}

}

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/inet/src/transport/sctp/SCTP.ned -> Linha 49

//#====== Delay-centric Implementation ================================

bool enableDelaycentric = default(false);

bool enablePredictiveDelaycentric = default(false); //Both enableDelaycentric and enablePredictiveDelayCentric should be true

bool enableGuardTime = default(false);

double hysteresis @unit(s) = default(0.01s); // For Reactive Delay-centric Method

double switchoverThreshold @unit(s) = default(0.150s); // For Predictive Delay-centric Method

double rtoAlphaS = default(0.667); // For Predictive Delay-centric Method only

double rtoAlphaL = default(0.154); // For Predictive Delay-centric Method only

double decreasedHbInterval @unit(s)= default(0.02s); // For Guard Time Implementation only

Novo projeto: delaycentric, baseado em multihoming