
COURIEREVALSERVE

By: Christopher Lane (Lane@Sumex-Aim.Stanford.Edu)

Uses: COURIERSERVE

COURIEREVALSERVE implements both the client and server routines for the simple remote evaluation server described in the COURIERSERVE documentation.

The module defines two user functions:

(REMOTEEVAL *FORM* *COURIERSTREAM* [*NOERRORFLG*]) [Function]

(REMOTEAPPLY *FN* *ARGS* *COURIERSTREAM* [*NOERRORFLG*]) [Function]

COURIERSTREAM is obtained by calling *COURIER.OPEN* to connect with a host that is running the Courier server and has *COURIEREVALSERVE* loaded. If the *NOERRORFLG* is non-NIL, it is returned if an error is signaled by the remote host, otherwise the functions generate an error.

Due to the removal of *ERRORN* as of the Lyric release, the error handling is not as informative as in earlier versions. If you are connected to a pre-Lyric host, errors will work as before, otherwise instead of signaling the actual remote error (eg. “*Undefined car of form*”) the generic “*Remote evaluation error!*” error is raised. This is to maintain backward compatibility in the EVAL Courier program. Hopefully, this will be replaced by a new version of the EVAL program designed to correctly remote the new condition-based error handler.