

EComm Administrator Reference

Version 4.0 Level U

Copyright 2001 – 2006

Rosebud Management Systems

EComm Overview

The EComm utility supplied with Eden Server is a command line program that allows commands to be routed, via TCP/IP, to the Eden Server system log.

EComm, therefore, provides the ability to submit console commands to Eden Server from any DOS command line, be it in a .bat file or a true DOS window, either on a remote workstation or Eden Server itself.

EComm is supplied as an .exe file and is located in the Eden Server install directory. The EComm command line parameters are detailed in the following table:

Parameter	Description
PORT=	Enter the port number Eden Server is using for it's TCP/IP server.
ADDR=	Enter the numeric TCP/IP address of the Eden Server machine.
CMD=	Enter the command to be passed to the system log. Enter the command within single quotes, e.g., CMD='STOP PROD'

Parameters may be entered on the command line in any order. All items in the command line are case sensitive and must be entered in upper case.

EComm Notes

EComm performs no editing of any command line data, other than verification that all three parameters (in upper case) are present. If the ADDR and PORT are for an active EServer, the string entered with CMD will be sent. Note that, the actual command string must also be entered in upper case, Eden Server will not accept console commands in lower case.

Example:

```
EComm.exe ADDR=127.0.0.1 PORT=12345 CMD='STOP PROD'
```

This command will cause EServer to request that shutdown procedures for the PROD region be initiated.

Note: EComm access to Eden Server is controlled by the Eden Server Firewall. See the Eden Server Administrators guide for information on firewall settings for EComm.

EComm return codes

Checking the status of the command run by Eden Server can be done after EComm has completed by using IF ERRORLEVEL statements in a .bat file. EComm will set ERRORLEVEL as follows:

Value	Description
0	No error. Eden Server accepted the command for processing. Note that due to the processing required for some commands and the length of time required to process them, Eden Server does not allow EComm to report on the actual status of the command execution.
1	A TCP/IP session with Eden Server could not be established. Verify the ADDR and PORT parameters are correct, also verify that Eden Server is up. EComm also displays the message: "EServer not available" on the DOS console where EComm is running.
2	At least one EComm command line parameter was invalid. Generally, this is due to the command line not being in upper case. Review the command line used and make corrections.
3	An error was encountered while communicating with Eden Server. If the error occurred while sending the command to Eden Server, EComm displays the message: "Enable to communicate with Eden Server", otherwise if the error occurred while receiving information from Eden Server, EComm displays the message: "No response from EServer". Investigate the status of the TCP/IP network and possibly the use of external Firewall software either on the server or workstation machine(s).
4	Eden Server was not able to complete the command requested, no other information is available. EComm will display the message: "Command failed" on the DOS console where EComm is running.

Note that EComm will complete, in many cases, before execution of the actual Eden Server command being submitted. This means that simply submitting a command such as a STOP command does not ensure that the command is complete. To ensure commands such as STOP and or START did in fact complete at Eden Server, a second EComm line should be used, effectively duplicating the first. The idea is to apply logic to Ecomms' actions.

For example, to ensure that a region has been stopped it is necessary to check back to see if another STOP command returns an error. In order to allow the process using EComm to delay, the EDelay.EXE program may be used. EDelay.EXE program is shipped with Eden Server and is located in the base install directory.

Each execution of EDelay will cause a 5 second pause. After 5 seconds, EDelay will end and the next statement will be executed. If delays of longer than 5 seconds are required, multiple executions of EDelay may be used.