

What User Routines Can Do

User routines can be used to check job results and influence job flow by their return codes. Apart from running checks, however, the use of Entire System Server and Adabas technology allows user routines to perform various actions such as

- Data base updates;
- File access and handling;
- Access to operating system functions;
- Plausibility checks.

User routines for the Monitor can perform any Adabas or Entire System Server function, but **must not** perform any type of screen I/O.

Entire Operations checks for the existence of a user routine while it is being defined, as well as at invocation time. Entire Operations treats the non-existence of a user routine as an error. When such an error occurs at invocation time during job processing, the job network execution is interrupted.

User routines can affect the Entire Operations job flow by sending a return code or other information back to the caller after execution, depending on the type and result of the routine.

Note:

User routines are invoked by the Entire Operations Monitor, which performs them as subroutines. Do not forget that intensive use of user routines can influence other work to be performed by the Monitor.

Warning:

User routines must **never** end the Natural session by themselves, they **must in all cases** return to the program that called them. In addition, no functions are permitted which disturb the Monitor run, such as calling wait time routines.

The following subsections describe the different types of user routine in more detail.