

Client Component

The Adabas System Coordinator client component is bound with the Adabas client link module during installation for use in batch, CICS, z/VM, UTM, etc. It functions as the interface between the link module and the installed Adabas options. It provides a common execution environment under which all options run, and a common set of system-dependent services that are used by all options.

All of the Adabas options interface to the Adabas link module (Adabas proxy) in the client process. The Adabas proxy represents Adabas in the client space to make it easier for applications to use Adabas by simply calling the local Adabas proxy program. The Adabas proxy handles communication with Adabas servers running in the Software AG network.

There are many types of Adabas clients, including Com-plete, CICS, batch, TSO, IMS/DC, CMS, UTM, and TIAM. There are also many types of operating system such as z/OS, VSE/ESA, BS2000 and z/VM. The original and basic reason for evolving the Adabas System Coordinator was to produce common technology that resolves the technical challenge of running in all of these environments. This avoids duplication of complex technology in each of the Adabas options described above.

The Adabas System Coordinator provides many services to the Adabas options. Overall, the most fundamental one is client context management. As stated previously, the functionality of all these options is very much oriented toward the Adabas client. At runtime, each option must maintain status information in memory about each Adabas client session in the client job (process).

A search for client context is performed whenever an option detects an Adabas command. Without the Adabas System Coordinator, each option would have to perform context search and management. With the Adabas System Coordinator, there is one context search and management service that shields the options from all this complexity. This is one of the ways in which the Adabas System Coordinator provides great benefit.