

Installation Planning and Preparation

- Planning Information
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It is very important to plan the overall implementation of your archiving infrastructure from the beginning. If you intend to limit the whole implementation to be completely within a single computer then the planning is straightforward since there is a network of one computer, which is clearly the simplest model. Other enterprises have many computers so must consider:

- The databases you intend to extract data from; and the computers where these databases run. Data Archiving for Adabas must be installed on all these computers in order to run extractors.
- The computers you intend to run accumulators on, to write archive data. Accumulators can be run on different computers to extractors so Data Archiving for Adabas must be installed on all the accumulator computers to:
 - spread processing load and
 - run accumulators on cheaper hardware.

Once you have a mental picture of all the computers involved you now must decide where the (Adabas) configuration file is to be loaded and run. Software AG strongly recommends a single configuration file is shared by all computers. To accommodate configuration file sharing we have provided an in-built mechanism - so you do not need to acquire our Net-Work product simply for configuration! By sharing the file all connectivity configuration is automatic, which completely frees you from the chores of reciprocally matching up numerous settings across all computers. This automated configuration is a major feature.

The configuration file usually runs on one of the primary computers out of all involved, but the choice is clearly yours. One apparent concern is that a single configuration file introduces a single point of failure. However, we take measures in the software to make sure outages of the file do not interrupt 24*7 operations. Put simply, the archive management service in each computer acquires a copy of its configuration on first use, and keeps a copy of it locally thereafter. Consequently, outages of the shared file are tolerated. In addition, each service periodically checks for changes to the configuration and automatically reflects changes locally too.

In summary, implementation planning necessarily involves:

- Try to use all installation defaults; it is always simpler. Especially where port numbers are concerned
- Decide all the computers where extractors will run.
- Decide all computers where accumulators will run.
- Decide which computer is to house the configuration file. The specific installation sections for each platform cover the choices between sharing or establishing the configuration file.

- Install on the computer that houses the configuration file first. Instruct the installer to establish the file for first use.
- Find out the hostname of the computer housing the configuration file. You need this as a reference point when doing subsequent installs. See below for information on finding hostname in various systems.
 - for z/OS (USS), use the *nslookup* directive to show the “name” (hostname) of the computer
 - for Unix, use the *nslookup* directive to show the “name” (hostname) of the computer
 - for Windows, go to the Control panel. Select System. And then select the Computer name tab. This will show the Full computer name (hostname).
- In all subsequent installs on other computers make sure you use the shared configuration option, do not establish additional files.
- Make sure ports are enabled where firewalls are used. Where Data Archiving for Adabas is used across multiple computers there may be need to adjust firewall settings. The User Interface doesn't usually need any adjustments because communications by the User Interface are outbound. However, the runtime receives communications so it must be enabled as follows:
 - The following program in the Data Archiving for Adabas directory structure must be added as an exception:

`adrdrv`
 - The following programs in the Adabas System Coordinator directory structure must be added as an exception:

`corlc`
`cord`