



# Tech Info Library

## ABS Tech Note: DAL03 VTAM Install Issues (6/92)

Revised: 9/3/93  
Security: Everyone

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TOPIC -----

This document should be used as a preinstallation tool whenever a final or evaluation copy of the DAL MVS/VTAM Server, Version 1.3.5 (or greater) will be installed. It will help you to verify release levels of key host software components, identify "traps" that can delay proper functioning of the server after initial loading and installation, and assist in identifying key support personnel.

DISCUSSION -----

Required Host Support Personnel

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The following host support personnel should be identified and included in the planning and installation of the server. In some cases, an individual can have responsibility for more than one of these functions.

- Systems Programmer  
This individual is generally responsible for the installation and maintenance of the base operating system (that is, MVS) as well as other IBM and third-party applications.
- Security Administrator  
He/she is responsible for all security-based activities on the host. This includes RACF or ACF2 administration, USERID maintenance, and so forth.
- Network Analyst  
This person is generally responsible for all network definitions including VTAM, NCP, LOGMODEs, and so forth.
- Database Administrator  
He/she is responsible for setting up and maintaining the host database subsystems (that is, DB2 or Teradata). Sometimes, the Database

Administrator needs to work with the Security Administrator when access to the database is being defined.

- Client Expert

For the Macintosh, you should have at least one person who is familiar with Macintosh concepts, as well as experienced with installation of new applications. He/she will need to modify the preferences file ("host.cl1" for System 6, "DAL Preferences" under System 7) as well. For the MS/DOS PCs, someone familiar with the concepts and operation of DOS should be included in the installation and verification of the client-based software.

#### Key Components and Concepts

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The DAL MVS/VTAM Server is designed to be used in conjunction with DAL for the Macintosh client to query, extract, and/or update DB2 or Teradata-based subsystems. The server does not replace these two subsystems or their utilities (such as SPUFI). DAL makes use of the existing security definitions set up in RACF (or ACF2) as well as those within DB2 or Teradata. Any changes to the security or database environments are made as before; DAL has no specific or unusual requirements.

#### The DAL MVS/VTAM Server and Security

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Security on an MVS host with DB2 or Teradata is usually provided on two levels. The Systems Programmer usually manages system-wide resources (such as TSO, NetView, datasets, and so forth) using a security package such as RACF or ACF2. In addition, there is controlled access to data within the database subsystem itself; this is maintained by the Database Administrator. As user verification is performed during the logon sequence, the load module for the DAL Server must be installed in an authorized library on the host. Once installed, the server is then able to perform the system calls (RACINIT, RACROUTE) necessary to verify a USERID and password combination. The server only needs to perform these system calls during the logon sequence; no other supervisor calls are done by the server. In the event that the host system does not utilize RACF or ACF2, a sample exit is included with the product should customization be desired. This exit appears as member 'DALAUTH' with the RUN.JCL supplied on the product tape. Note that the sample only specifies the entry point and JCL necessary to relink the server's load module. Coding and logic for the exit can be designed and implemented by the customer to suit their individual shop requirements.

#### Host System Software Release Levels

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Following are the recommended minimum release levels for installation of the DAL MVS/VTAM Server, Version 1.3.5. Although older versions of host software may be compatible with DAL, Apple has only tested using the following releases:

- VTAM: 3.2.0
- NCP: any release (with the necessary PTFs) that supports the installed level of VTAM

- MVS/XA: 2.2.0
- MVS/ESA: 4.2.0
- DB2: 1.3.0
- RACF, if applicable: 1.8.0
- ACF2, if applicable: 5.2
- CICS, if applicable: 1.7
- Teradata, if applicable: 4.1

#### Macintosh Software Release Levels

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Following are the recommended minimum release levels for installation of the DAL Client, Version 1.3.5. Although older versions may be compatible, both Apple and the appropriate third parties have tested with the following releases:

- SNA•ps, using 3270 or APPC: 1.1. 3270 access requires version 1.1; version 1.0.1 may be used for APPC access only
- Avatar's MacMainframe: version 4.0.1
- DCA's MacIrma: DCA requires that MacIrma SNA, version 2.1.0 is used with its associated MacIrma DAL Driver, version 1.2.1
- DCA's HLLAPI version of MacIrma: DCA requires that MacIrma SNA, version 2.1.0 is used with its associated MacIrma API, version 1.4.0
- Tri-Data's Mac Netway 3270: Version 8.2 with Tri-Data API also at version 8.2
- Tri-Data's Mac Netway 3270 Advanced: Version 1.0.3 with Tri-Data API also at version 1.0.3 Miscellaneous Hint and Tips
- Use of third-party programs to bypass the normal authorization procedure (that is, reference to the load module in a SYS1.PARMLIB member) is not supported by Apple, and results may be unpredictable.
- If any of the user-supplied exits are utilized, the load module must be relinked and properly referenced in the run JCL. This includes support for National Languages, SMF processing, custom security, and so forth.
- If secondary AUTHIDs are used on the host system with DB2, verify that any user-coded exits are designed to work in a multiple subtask environment.
- Be sure to code and activate the VTAM APPL (ACB) for the server prior to attempting any connection from the client. The SRBEXIT parameter must be equal to 'NO' for use with DAL. Verify your system defaults to ensure that SRBEXIT=NO, or code it explicitly in the APPL major node.
- ACF2 installations must authorize the DAL MVS/VTAM Server as a multi-use task (MUSSAS). The SAF Rule should point to the module 'CL1HEAD'.

#### Preinstallation Software Version Checklist

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The following checklist should be used to accurately verify the host system software release levels prior to installation, as well as identify key host support personnel. Questions or concerns should be forwarded to the appropriate support group within Apple before proceeding. This will ensure a quick and trouble-free installation.

Release Level

Release Level

MVS/XA or MVS/ESA \_\_\_\_\_ VTAM \_\_\_\_\_

RACF or ACF2 \_\_\_\_\_ DB2 \_\_\_\_\_

NCP \_\_\_\_\_ CICS \_\_\_\_\_

Teradata \_\_\_\_\_

If there are any custom exits installed in the host system, they may affect the operation of DAL. Verify this information before proceeding with the installation of the MVS/VTAM Server:

Are there any custom exits installed for security? Y / N

Are there any custom exits installed for the database subsystem? Y / N

Name of Systems Programmer: \_\_\_\_\_

Name of Security Administrator: \_\_\_\_\_

Name of Network Analyst: \_\_\_\_\_

Name of Database Administrator: \_\_\_\_\_

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