Installing Sun ONE UDS and the Sun ONE UDS Transaction Adapter on OS/390

Restoring the Sun ONE UDS for OS/390 Tape

The Sun™ Open Net Environment (ONE) Unified Development Server (UDS) installation software for the OS/390 platform comes on IBM 3490 tape media, with standard labels, in IEBGENER format. The tape contains a UNIX® tape archive (tar) file that contains the Sun ONE UDS Software.

To install Sun ONE UDS, you must unload the tar file into a temporary directory in your UNIX Hierarchical File System (HFS), run the UNIX tar command to expand the file, and then run the UNIX installation shell script INSTALL.SH to build your Sun ONE UDS distribution in a permanent location. Refer to the *iPlanet UDS System Installation Guide* for more information on this script.

1. Log in to the UNIX Services environment using the user ID that will be used to unload the Sun ONE UDS product tape and install the Sun ONE UDS software.

   The user ID must have read/write privileges for files in the FORTE_ROOT directory where Sun ONE UDS will be installed.

   You can log in using either the TSO OMVS command, or by using an rlogin or telnet client on another system.

2. Create a temporary directory for unloading the tape.

   For example, to create /tmp/forte for unloading the tape, issue the UNIX command:

   ```
   mkdir /tmp/forte
   ```

   NOTE Make sure that each file system has enough space available, as described in Chapter 6, "Installing iPlanet UDS and the iPlanet UDS Transaction Adapter on OS/390" of the *iPlanet UDS System Installation Guide*.

3. Log on to TSO.

4. Create and submit an IEBGENER batch job to unload the tar file from the 3490 tape cartridge into the temporary unloading directory created in Step 2.

   Below is an example JCL file you can use to place the FORTE.TAR file into the temporary HFS directory /tmp/forte:

```
//FRTEUNLD JOB (0000)
//*
//UNLOAD   EXEC PGM=IEBGENER
//SYSIN    DD  DUMMY
//SYSPRINT DD  SYSOUT=*
//SYSUT1   DD  DSN=FORTE.TAR,DISP=OLD,
//             UNIT=3490,
//             VOL=SER=<volser_from_external_label>,
//             LABEL=(1,SL),
//             BLKSIZE=27920,LRECL=80,RECFM=FB
//SYSUT2   DD  PATH='/tmp/forte/forte.tar',
//             PATHOPTS=(OWRONLY,OCREAT,OEXCL),
//             PATHMODE=(SIRWXU,SIRGRP,SIROTH)
```

5. Continue the installation by proceeding to Step 5, as documented in Chapter 6, “Installing iPlanet UDS and the iPlanet UDS Transaction Adapter on OS/390” of the *iPlanet UDS System Installation Guide*. You should read the Preface, Introduction, and Chapter 6 of the *iPlanet UDS System Installation Guide* before completing your installation.

Transaction Adaptor Examples for OS/390

The example APPC/MVS, CICS, and IMS applications for the OS/390 system come on the same IBM 3490 tape media as the Sun ONE UDS for OS/390, as additional files in IEBCOPY unload format. The tape contains IEBCOPY unloads of two partitioned datasets, one containing JCL files and the other containing source files, as files 2 and 3 on the tape.

To install the OS/390 components of the example applications, you must load both partitioned datasets from the tape and then customize and submit the JCL to install the example applications. The JCL PDS is named FORTE.V513.JCL and the source PDS is named FORTE.V513.SOURCE. Note that if you rename the source dataset, you will have to change all references to it in the JCL.

NOTE The filenames and label names used to load, install, and execute the Sun ONE UDS Transaction Adapter for OS/390 are dependent on the current release number for Sun ONE UDS. This section provides instructions for Sun ONE UDS Release 5.1.3. For subsequent releases, you may have to modify the filenames and label names accordingly.

➤ **To load the partitioned datasets from the distribution tape**

1. Log on to TSO.
2. Create and submit an IEBCOPY batch job to load the partitioned datasets from the 3490 tape.

   Below is an example JCL file you can use to load the partitioned datasets:

```
//FRTELOAD JOB(000)
//LOADJCL  EXEC PGM=IEBCOPY,REGION=4M
//SYSPRINT DD  SYSOUT=*
//INPUT    DD  DSN=FORTE.JCL,
//             DISP=(OLD,PASS),
//             UNIT=3490,
//             VOL=SER=FOR513,
//             LABEL=(2,SL)
//OUTPUT   DD  DSN=FORTE.V513.JCL,
//             DISP=(NEW,CATLG),
//             UNIT=SYSDA,
//             VOL=SER=volser,
//             SPACE=(27920,(4,1,5)),
//             DCB=(RECFM=FB,LRECL=80,BLKSIZE=27920)
//SYSIN    DD *
          COPY INDD=INPUT,OUTDD=OUTPUT
//LOADSRC  EXEC PGM=IEBCOPY,REGION=4M
//SYSPRINT DD  SYSOUT=*
//INPUT    DD  DSN=FORTE.SOURCE,
//             DISP=(OLD,KEEP),
//             UNIT=3490),
//             VOL=SER=FOR513,
//             LABEL=(3,SL)
//OUTPUT   DD  DSN=FORTE.V513.SOURCE,
//             DISP=(NEW,CATLG),
//             UNIT=SYSDA,
//             VOL=SER=volser,
//             SPACE=(27920,(10,2,5)),
//             DCB=(RECFM=FB,LRECL=80,BLKSIZE=27920)
//SYSIN    DD *
          COPY INDD=INPUT,OUTDD=OUTPUT
//
```

   In the above example, volser is the volume serial number of the DASD volume where you want to allocate the partitioned datasets.

3. Verify the installation, according to the instructions in Chapter 6 of the *iPlanet UDS System Installation Guide*.

How to Report Problems and Provide Feedback

If you have problems with Sun ONE Unified Development Server, contact Sun customer support using one of the following mechanisms:

- Sun Software Support services online at
  http://www.sun.com/service/sunone/software

  This site has links to the Knowledge Base, Online Support Center, and ProductTracker, as well as to maintenance programs and support contact numbers.

- The telephone dispatch number associated with your maintenance contract

So that we can best assist you in resolving problems, please have the following information available when you contact support:

- Description of the problem, including the situation where the problem occurs and its impact on your operation
- Machine type, operating system version, and product version, including any patches and other software that might be affecting the problem
- Detailed steps on the methods you have used to reproduce the problem
- Any error logs or core dumps

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Please include the part number (817-3272-10) of the document in the subject line and the book title (*Unified Development Server 5.1 Installing UDS and the UDS Transaction Adapter on OS/390*) in the body of your email.

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