

New Features

This section describes the new features provided by Version 7.5.1.

- Distributed Transaction Support for Adabas Parallel Services and Adabas Cluster Services
 - Enhanced Online Statistical Reporting
 - Enhanced Statistical Reporting to Console and DDPRINT
 - Identification of Open Migrated Transactions using Online Services
 - No External Recovery Database
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Distributed Transaction Support for Adabas Parallel Services and Adabas Cluster Services

ATM version 7.5 fully supports use of the parameter `DTP=RM` with Adabas Parallel Services and Adabas Cluster Services.

Enhanced Online Statistical Reporting

Adabas Transaction Manager version 7.5 introduces new statistical displays in the Online Services application. The new displays show an ATM daemon's counts of transactions with various outcomes, and transaction timings. See *ATM Online Services, Display Daemon Statistics*.

Here are two examples:

```

10:32:47 ***** A D A B A S TRANSACTION MANAGER 7.5.1 ***** 2004-03-05
                - Current Statistics -                               T12710M1

TM Node: 7064

      Transactions  Commits      Tran      Nonact      Heur-      Client
      -----      -
      only          235         227         2          0          0          0
Extrn.          1311         1307
      -----      -
Total           1546         1534         2          0          0          0
      -----      -

Open            0
HWM             19
      -----      -
                                22
                                53
      -----      -

Command ==>
Enter-PF1---PF2---PF3---PF4---PF5---PF6---PF7---PF8---PF9---PF10--PF11--PF12
      Help           Exit Refr                               Menu
    
```

```

10:33:22 ***** A D A B A S TRANSACTION MANAGER 7.5.1 ***** 2004-03-05
                - Transaction Times -                               T12720M1

TM Node: 7064

      Upper
      bound
      (secs.)      Tran count      Committed      Backed out
      -----      -
      0.50          1432            1422            10
      1.00          112             108             4
      2.00           4               4               0
      5.00           0               0               0
      10.00          2               0               2
      300            0               0               0
      600            1               0               1
      9999999        0               0               0
      -----      -
Total:             1551            1534            17
      -----      -

Command ==>
Enter-PF1---PF2---PF3---PF4---PF5---PF6---PF7---PF8---PF9---PF10--PF11--PF12
      Help           Exit Refr                               Menu
    
```

Enhanced Statistical Reporting to Console and DDPRINT

The extended statistical information is written to the DDPRINT dataset on termination of the daemon. It can also be displayed on the console and written to DDPRINT at any time during daemon execution by means of the TM DSTAT operator command.

Here is an example:

```

ADAI29 Oper cmd: TM DSTAT
ATM110 04 Session statistics:
ATM115 04 No. of transactions processed:          000000000531
ATM115 04 No. of transactions committed:         000000000527
ATM115 04 No. of ATM-only transactions processed: 000000000515
ATM115 04 No. of ATM-only transactions committed: 000000000513
ATM115 04 No. of external transactions processed: 000000000016
ATM115 04 No. of external transactions committed: 000000000014
ATM115 04 No. of transactions timed out (TMGTT):  000000000002
ATM115 04 No. of transactions timed out (TMGTNA): 000000000000
ATM115 04 No. of heuristically terminated trans.: 000000000000
ATM115 04 No. of open client sessions:           000000000001
ATM115 04 No. of open transactions:              000000000000
ATM116 04 Tran times: Millisecs  Tran count  Committed  Backed out
ATM117 04                0000000500  0000000497  0000000497  0000000000
ATM117 04                0000001000  0000000032  0000000030  0000000002
ATM117 04                0000002000  0000000000  0000000000  0000000000
ATM117 04                0000005000  0000000000  0000000000  0000000000
ATM117 04                0000010000  0000000000  0000000000  0000000000
ATM117 04                0000300000  0000000000  0000000000  0000000000
ATM117 04                0000600000  0000000002  0000000000  0000000002
ATM117 04                9999999999  0000000000  0000000000  0000000000
ATM113 04 High-water marks :   Max           HWM           Hits           First hit
ATM114 04   TMABA           :                00000005  0000000003  04/05 13:11
ATM114 04   TMDRQ           : 00000010  00000000
ATM114 04   TMRQ2           :                00000001  0000000001  04/05 13:02
ATM114 04   TMDYNTCIDS      : 0010000  00000000
ATM114 04   TMGUQ           :                00000033  0000000002  04/05 13:10
ATM114 04   TMGTQ           :                00000003  0000000003  04/05 13:11
ATM114 04   TM nodes       : 0000191  00000001  0000000001  04/05 13:02
ATM114 04   TMTARGETSG      : 0000191  00000003  0000000007  04/05 13:03
ATM114 04   TMTARGETST      : 0000191  00000002  0000000424  04/05 13:03
ATM114 04   TMs/tran       : 0000191  00000001  0000000001  04/05 13:03

```

Identification of Open Migrated Transactions using Online Services

A new Online Services feature can be used to identify in-flight transactions that have been migrated within a cluster through dynamic transaction routing (DTR).

For more information, see Online Services, Transaction Manager Database Functions.

No External Recovery Database

The database files in which an ATM daemon stores vital recovery information must now reside in the ATM daemon's own database. There is no longer any need for a separate database to contain these files. This makes installation and administration easier.