

Release Notes

Prospect® Data Acquisition Tools 7.1

Motorola CDMA RP4.2 Upgrade



DOCUMENT CONTROL

Issue Number: 05

Issue Date: 2 December 2008

Version: RP4.2 Upgrade

Build: 04

Project Release Point: Motorola CDMA RP4.2 Upgrade

OWNERSHIP & CONFIDENTIALITY

No part of this document may be disclosed orally or in writing, including by reproduction, to any third party without the prior written consent of IBM Corp. This document, its associated appendices, and any attachments remain the property of IBM Corp. and shall be returned upon request.

Table of Contents

1	<i>Description</i> _____	4
2	<i>New Features</i> _____	4
3	<i>Resolved Issues</i> _____	4
4	<i>Known Problems / Useful Hints</i> _____	4
5	<i>Installation and Upgrade Instructions</i> _____	5
6	<i>Customer Support</i> _____	10
7	<i>Manifest</i> _____	10

1 Description

This document provides information on the Prospect Data Acquisition Tools 7.1 / Motorola CDMA RP4.2 Upgrade release.

2 New Features

- Support INNERFILEDIR on/off switching for EVDO CONFIG MAP data type. This feature will provide options to set the EVDO Config Map collection either from \$SRCDIR/<date> or from \$SRCDIR.
- Support additional secure transfer method: sftp with key-based authentication.
- Support pmC table 142 in VPU records of PM data type.

3 Resolved Issues

Following is a list of problems present in the previous release that have been resolved.

<i>DDTS / SRS / PMR</i>	<i>Description</i>	<i>Action Taken</i>
valnt00044559/ APAR IZ26735/ PMR 05500,370,000	Issue removing tarball file during cleanup	Fix provided. The PM files are processed in \$REMOTEDIR/flexda. Only files own by DA user will be deleted.
valnt00044556/ APAR IZ26727/ PMR 05473,370,000	EVDO Config Map files are not being retrieved	Fix provided. These files can be retrieved from either \$SRCDIR or \$SRCDIR/<date>.
valnt00063245/ APAR IZ34706/ PMR 21622,370,000	DA shall not delete data in spool dir when SPOOL set to off	Fix provided. Data in spool directory only be deleted when SPOOL parameter set to 'on' for evdopm data type.
valnt00065001/ APAR IZ36277/ PMR 24225,370,000	Prospect MOTOROLA RP4.0 does not have SwitchMate support.	Fix provided. SwitchMate (SM) data type is supported in RP4.2 without any enhancement from previous release.

4 Known Problems / Useful Hints

4.1 valnt00067325 - DA Motorola RP4.2 Limited test activity from QA on verifying SMTM functionality

Description: Due to the unavailability of the SwitchMate network elements, this patch could not be quality tested in its entirety. This ticket was tested for syntactic correctness and installation ONLY. It is recommended for the final product to be properly tested in customer environment. SwitchMate support was reintroduced in this patch with no additional enhancements and is expected to function as it were in previous releases.

Impact: This would limit QA test scope. Test will only be conducted for the installation.

Workaround: None.

5 Installation and Upgrade Instructions

5.1 Prerequisites

5.1.1 Baseline Requirements

The base environment require for the deployment of this patch is:

- Prospect® Data Acquisition (DA) Toolkit 7.1 / Motorola CDMA RP4.0 Base

This patch is a cumulative upgrade and can be applied against:

- Prospect® Data Acquisition (DA) Toolkit 7.1 / Motorola CDMA RP4.0 Patch01

Important! *It is critical that you apply this patch to an environment at the correct patch level. Please verify the environment carefully. For more information, please contact IBM customer support.*

5.2 Pre-Installation Instructions

The following instructions must be executed on the Prospect DA server.

1. Log in as user flexda.
2. Go to the \$FLEXDAHOME directory:

```
$ cd $FLEXDAHOME
```
3. Copy the file 7.1.4.2-TIV-PROSPECTDA-MOTCDM-IF0000.tar to this directory.
4. Extract the package. This will create a subdirectory (patches/7.1.4.2-TIV-PROSPECTDA-MOTCDM-IF0000/) in \$FLEXDAHOME

```
$ tar -xvf 7.1.4.2-TIV-PROSPECTDA-MOTCDM-IF0000.tar
```

5.3 Installation Instructions

1. Log in as user flexda.

2. Backup and stop the current running cron job


```
$ crontab -l > \
    $FLEXDAHOME/cfg/motcdma.cron.bak.<yyyymmddHHMM>
$ crontab -r
```
3. Go to the directory `$FLEXDAHOME/patches/7.1.4.2-TIV-PROSPECTDA-MOTCDM-IF0000`

```
$ cd \
    $FLEXDAHOME/patches/7.1.4.2-TIV-PROSPECTDA-MOTCDM-IF0000
```
4. Install the patch.


```
$ ./patch.sh -install 2>&1 | tee install.log.$$
```
5. Review the install log file. If there are any concerns or issues, please contact IBM support team for help.

5.4 Post-Installation Instructions

1. Log in as flexda user.
2. Make a backup copy of the


```
$FLEXDAHOME/INSTALL/localhost/cfg/<hostname>.mtcdma.cfg
```

 file
3. Update the required following information for the EVDO CONFIG MAP configuration in


```
$FLEXDAHOME/INSTALL/localhost/cfg/<hostname>.mtcdma.cfg.
```

For more information, refer to following

```
$FLEXDAHOME/INSTALL/ALL/doc/host.mtcdma.cfg.sample.
```

The `evdoconfigmap` is added in the following section.

```
set -A mtcdma_type \
    omcr \
    sar \
    evdoconfigmap \
    evdopm \
    evdopmemh \
    pmserver \
    anpml0min \
    kcicfg \
    aemsc10min
```

In release Prospect® Data Acquisition (DA) Toolkit 7.1 / Motorola CDMA RP4.0 Base, the EVDO Config MAP was removed; in order to retrieve the EVDO Config Map, the following should be included.

The new parameter (`INNERFILEDIR_F`) is introduced in this release to support the 2 structures of source data directory. The default value – ‘0’ will instruct DA to collect the EVDO Config Map from `$SRCDIR`. For value-‘1’ will instruct DA to collect the EVDO Config Map from `$SRCDIR/<date>`.

#

Copyright © International Business Machines Corporation 2008. All rights reserved.

```

# EVDO CONFIG MAP
#

# EVDO CONFIG data source and target directories
evdoconfig_sdir=/omcr/evdoconfig
evdoconfig_tdir=/u01/apps/WatchMark/FlexPM//ftpIN/evdoconfigmap
evdoconfig_spooldir=/sc/spool/pmStats/RAW_DO_CONFIGMAP

# MARKET      TGTDIR      SRCIP          SRCID          SRCUSER        SRCPSWD
#              SRCDIR      SERVERNAME     ICFBEHIND
#              SECURECOLLECT          SECUREDELIVER  SPOOLDIR  SPOOL
#              INNERFILEDIR_F
# -----
set -A mtcdma_evdoconfigmap \
  PL $evdoconfig_tdir ????.????.????.??? OMCR01      ??? ???? \
    $evdoconfig_sdir SVR01      0 \
      1      1      $evdoconfig_spooldir on \
        0

```

4. Update the required following information for the OMCR configuration in
\$FLEXDAHOME/INSTALL/localhost/cfg/<hostname>.mtcdma.cfg.

For more information, refer to following

\$FLEXDAHOME/INSTALL/ALL/doc/host.mtcdma.cfg.sample.

The new pmC table 142 is introduced in this release. The value '142' need to append in VPURECORDS to instruct DA to collect the pmC table 142 from \$SRCDIR.

```

#
# OMCR
#

# Block files directory
blockdir=/sc/spool/pmStats

# DB Loading Block File Configuration
dbloadctrl=$FLEXDAHOME/cfg/DB_loading_control.list

# OMCR CDF Source directory
remotecdfdir=/screl/active/loadable

# OMCR PM Source directory
remotepmdir=/sc/spool/PmTrans

# OMCR Mapping configuration
omcrcfg=$FLEXDAHOME/cfg/OMCR_mapping.cfg

# Prospect Loader target directory
tdir=/u01/apps/WatchMark/FlexPM/Motorola/x/vendor/Motorola/MSC/ftpIN/R15/in
t16dir=/u01/apps/WatchMark/FlexPM/Motorola/x/vendor/Motorola/MSC/ftpIN/R16/in
t161dir=/u01/apps/WatchMark/FlexPM/Motorola/x/vendor/Motorola/MSC/ftpIN/R161/in
t17dir=/u01/apps/WatchMark/FlexPM/Motorola/MotoCDMA/vendor/Motorola/MSC/ftpIN/MotoCDMA/R17/in
t18dir=/u01/apps/WatchMark/FlexPM/Motorola/MotoCDMA/vendor/Motorola/MSC/ftpIN/MotoCDMA/R18/in

RawDir=/sc/spool/pmStats

# Temp remote directory
omcr_remotedir=/var/tmp/omcr

# MARKET TGTDIR SRCIP          SRCID          MMID          SRCUSER SRCPSWD

```

Copyright © International Business Machines Corporation 2008. All rights reserved.

```

# -----
# CDFDIR      PMDIR      OMCRCFG
# -----
# REMOTEDIR   CDLPORT   DATATYPES           TMADJ   SLEEP
ICFDELAYGAP
# -----
# SDUID       SDURECORDS
# -----
# VPUID       VPURECORDS
# -----
# ANID        ANRECORDS
# -----
# SVURECORDS
# -----
# PMCFGRECORDS
# -----
# SECURECOLLECT  SECUREDELIVER  RAWDIRECTORY  RAWNODAYS
# -----
# PAST_DAYS      BLOCKDIR      DBLOADCTRL
# -----
set -A mtcdma_omcr \
?? $t16dir ??? omcr1 101,105 ??? ??? \
  $remotecdfdir $remotepmdir $omcrcfg \
  $omcr_remotedir/omcr1 10707 PM,CDF,NECF 60 60
600,1800,3600 \
211,212
101,102,103,104,105,106,107,108,109,110,111,112,113,114,115,203,206 \
112,113 140,141,142 \
21,22 150,151,153,154,155 \
160,161,162 \
52,80,81,85 \
1 1 $RawDir/PM/omcr1 5 \
0 $blockdir/omcr1 $dbloadctrl \
?? $tdir ??? omcr2 2,3,4 ??? ??? \
  $remotecdfdir $remotepmdir $omcrcfg \
  $omcr_remotedir/omcr2 10707 PM,CDF,NECF 60 60
600,1800,3600 \
-1 -1 \
-1 -1 \
-1 -1 \
-1 \
-1 \
1 1 -1 0 \
0 $blockdir/omcr2 $dbloadctrl

```

- Update the required following information for the SM configuration in
 \$FLEXDAHOME/INSTALL/localhost/cfg/<hostname>.mtcdma.cfg.

For more information, refer to following

\$FLEXDAHOME/INSTALL/ALL/doc/host.mtcdma.cfg.sample.

The sm is added in the following section.

```

set -A mtcdma_type \
omcr \
sar \
evdoconfigmap \
sm \
evdopm \
evdopmemh \
pmserver \
anpml0min \

```

Copyright © International Business Machines Corporation 2008. All rights reserved.


```
kcicfg \
aemsc10min
```

In release Prospect® Data Acquisition (DA) Toolkit 7.1 / Motorola CDMA RP4.0 Base, the Switch Mate was removed; in order to retrieve the Switch Mate, the following should be included.

```
#
# SM
#

# SM directory for TMM report scripts
smscriptsdir=/usr/local/bin

# SM Mapping configuration for TMM report formats
smrepddcfg=$FLEXDAHOME/cfg/SMREPDD_mapping.cfg

# Prospect Loader target directory
t17dir=/u01/apps/WatchMark/FlexPM/Motorola/MotoCDMA/vendor/Motorola/MSC/ftpIN/
MotoCDMA/R17/in

# MARKET      TGTDIR      SRCIP          MSCID          SWID          USERNAME      PASSWORD
# -----
#      TIMEOUT      DATATYPES
#      ICFBEHIND  ICFDELAY  ICFIGNBEF  ICFIGNAFT  EMX_VERSION
#      -----
#      SMREPDDCFG  SMSRIPTSDIR
#      -----
#      PAST_DAYS
#      -----
set -A mtcdma_sm
???      $t17dir      ??.???.?.??  ?????      ??          ??????      ?????? \
        600      SMTM      \
        75      10      -1      -1      7.19      \
        $smrepddcfg $smscriptsdir \
        0 \
???      $t17dir      ??.???.?.??  ?????      ??          ??????      ?????? \
        600      SMTM      \
        75      10      -1      -1      7.17      \
        $smrepddcfg $smscriptsdir \
        0
```

6. Run setconfig.ksh script

```
$ $FLEXDAHOME/INSTALL/ALL/scripts/setconfig.ksh \
$FLEXDAHOME/INSTALL/localhost/cfg/<hostname>.mtcdma.cfg
```

7. Copy the backup cron job into new cron job list

```
$ cat $FLEXDAHOME/cfg/motcdma.cron.bak.<yyyymmddHHMM> \
> $FLEXDAHOME/cfg/motcdma.cron.new.<yyyymmddHHMM>
```

8. To add new EVDO Config Map cron job into new cron job list

```
$ cat $FLEXDAHOME/cfg/<hostname>.cron |grep EVDOCONFIGMAP \
>> $FLEXDAHOME/cfg/motcdma.cron.new.<yyyymmddHHMM>
```

9. To add new Switch Mate (SMTM) cron job into new cron job list

```
$ cat $FLEXDAHOME/cfg/<hostname>.cron |grep SMTM \
>> $FLEXDAHOME/cfg/motcdma.cron.new.<yyyymmddHHMM>
```

10. Start the new cron job

```
$ crontab $FLEXDAHOME/cfg/motcdma.cron.new.<yyyymmddHHMM>
```

5.5 Uninstallation Procedure

1. Log in as user flexda.

2. Backup and stop the current running cron job

```
$ crontab -l > \
    $FLEXDAHOME/cfg/motcdma.cron.bak.<yyyymmddHHMM>
$ crontab -r
```

3. Go to the directory \$FLEXDAHOME/patches/7.1.4.2-TIV-PROSPECTDA-MOTCDM-IF0000

```
$ cd \
    $FLEXDAHOME/patches/7.1.4.2-TIV-PROSPECTDA-MOTCDM-IF0000
```

4. Uninstall the patch.

```
$ ./patch.sh -uninstall
```

5. Restore the

\$FLEXDAHOME/INSTALL/localhost/cfg/<hostname>.mtcdma.cfg file from backup.

6. Run setconfig.ksh script.

```
$ cd $FLEXDAHOME/INSTALL/ALL/scripts
$ setconfig.ksh \
    $FLEXDAHOME/INSTALL/localhost/cfg/<hostname>.mtcdma.cfg
```

7. Copy the backup cron job into new cron job list

```
$ cat $FLEXDAHOME/cfg/motcdma.cron.bak.<yyyymmddHHMM> \
    > $FLEXDAHOME/cfg/motcdma.cron.new.<yyyymmddHHMM>
```

8. Edit \$FLEXDAHOME/cfg/motcdma.cron.new.<yyyymmddHHMM> file to remove EVDO Config Map (EVDOCONFIGMAP) and Switch Mate (SMTM) from the cron job list.

9. Start the new cron job

```
$ crontab $FLEXDAHOME/cfg/motcdma.cron.new.<yyyymmddHHMM>
```

6 Customer Support

Contact IBM customer support if a problem is encountered during the installation of this release.

7 Manifest

patches/

patches/7.1.4.2-TIV-PROSPECTDA-MOTCDM-IF0000/

patches/7.1.4.2-TIV-PROSPECTDA-MOTCDM-IF0000/host.mtcdma.cfg.sample

patches/7.1.4.2-TIV-PROSPECTDA-MOTCDM-IF0000/local.install.sh
patches/7.1.4.2-TIV-PROSPECTDA-MOTCDM-IF0000/local.uninstall.sh
patches/7.1.4.2-TIV-PROSPECTDA-MOTCDM-IF0000/motanpm10mindist.exp
patches/7.1.4.2-TIV-PROSPECTDA-MOTCDM-IF0000/motevdocfgmapdist.exp
patches/7.1.4.2-TIV-PROSPECTDA-MOTCDM-IF0000/motpmserverdist.exp
patches/7.1.4.2-TIV-PROSPECTDA-MOTCDM-IF0000/mtcdma_cfg.txt
patches/7.1.4.2-TIV-PROSPECTDA-MOTCDM-IF0000/package.info
patches/7.1.4.2-TIV-PROSPECTDA-MOTCDM-IF0000/patch.sh
patches/7.1.4.2-TIV-PROSPECTDA-MOTCDM-IF0000/pm.exp
patches/7.1.4.2-TIV-PROSPECTDA-MOTCDM-IF0000/set_mtcdma.ksh
patches/7.1.4.2-TIV-PROSPECTDA-MOTCDM-IF0000/batchscp.exp
patches/7.1.4.2-TIV-PROSPECTDA-MOTCDM-IF0000/mtcdma_errormsg.txt
patches/7.1.4.2-TIV-PROSPECTDA-MOTCDM-IF0000/cdf.exp
patches/7.1.4.2-TIV-PROSPECTDA-MOTCDM-IF0000/motaems10mindist.exp
patches/7.1.4.2-TIV-PROSPECTDA-MOTCDM-IF0000/motaemsdist.exp
patches/7.1.4.2-TIV-PROSPECTDA-MOTCDM-IF0000/motevdopmdist.exp
patches/7.1.4.2-TIV-PROSPECTDA-MOTCDM-IF0000/motevdopmemhdist.exp
patches/7.1.4.2-TIV-PROSPECTDA-MOTCDM-IF0000/motkicicfgdist.exp
patches/7.1.4.2-TIV-PROSPECTDA-MOTCDM-IF0000/motsardist.exp
patches/7.1.4.2-TIV-PROSPECTDA-MOTCDM-IF0000/necf.exp
patches/7.1.4.2-TIV-PROSPECTDA-MOTCDM-IF0000/batchsftpkey.exp

Corporate Headquarters

IBM Corporation
2Z4A/101
11400 Burnet Road
Austin, TX 78758 U.S.A.

Vallent, Metrica, Prospect and ServiceAssure are registered trademarks or trademarks of International Business Machines Corporation in the United States and/or other countries. All other trademarks, trade names, company names, or products mentioned herein are the property of their respective owners. Copyright © International Business Machines Corporation 2008. All rights reserved.

