

Release Notes

Prospect® Data Acquisition Tools 7.1

**Nortel CDMA RP16.4 DA Upgrade
(7.1.16.4-TIV-PROSPECTDA-NORCDM-FP0000.tar)**



DOCUMENT CONTROL

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1 Description

This document provides information on the Prospect DA (Data Acquisition) upgrade for RP16.4. The released DA software is called 7.1.16.4-TIV-PROSPECTDA-NORCDM-FP0000.tar. This release should be applied on DA servers that connect to Prospect RP16.4 servers.

2 New Features

There are no new features inside this release. However this release fixes some APARs as detailed in the section below.

3 Resolved Issues

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

CQ /PMR	Description	Action Taken
PMR=61603,370,000 FITS=MR0505093210 CQ=valnt00088274	cbrs.cfg data is not loading for network interfaces (componentName) as below: <pre>slot cardType componentsName 12 16pOC3 AtmInterface/1215 12 16pOC3 IsshoBcnIf/47 12 16pOC3 IsshoBcnIf/48 12 16pOC3 IsshoBcnIf/49 12 16pOC3 IsshoBcnIf/50 12 11pMSW BtsBcn/538 12 11pMSW BtsBcn/548</pre>	Fix provided. The network interfaces have been updated inside the cbrs.cfg
PMR=60072,370,000 FITS= MR0413091840 CQ=valnt00088281	set_ntcdma.ksh script needs to be updated	Fix provided.
PMR=61505,370,000 APAR=IZ51454, CQ=valnt00088568	mgntmmdmdist.exp script needs to be upgraded for "*.CSV.processed" data files	Fix provided.

4 Useful Hints

The CBRS datatype contains information of network interfaces and cards. The file extension for this datatype is .bdf. In this release there are some changes to the cbrs.cfg file that comes with the RP16.4 DAT software (Data Acquisition toolkit).

The DA config file cbrs.cfg has been changed to add the following interfaces below. The data in the cbrs files will be parsed by the DA scripts. However in this release there are no changes to the CBRS Prospect loader for these new interfaces (such as AtmInterface , CpeBcnEp, Sctp, SctpEp, etc.) Below are the new interfaces added in the CBS.cfg file in DA software.

#	slot	cardType	components
	12	11pMSW	BtsBcn/538
	12	11pMSW	BtsBcn/548
	12	16pOC3	AtmInterface/1215
	12	16pOC3	lsshoBcnlf/47
	12	16pOC3	lsshoBcnlf/48
	12	16pOC3	lsshoBcnlf/49
	12	16pOC3	lsshoBcnlf/50

Note that the slot # could be different at customer sites due to varied network configurations.

If you have made changes to the default cbrs.cfg file please make a copy of it before installing the DA upgrade.

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 / Nortel CDMA RP15.3 Base, or
- Prospect® Data Acquisition (DA) Toolkit 7.1 / Nortel CDMA RP16.0 Base

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

- Prospect® Data Acquisition (DA) Toolkit 7.1 / Nortel CDMA RP15.3 Patch01
- Prospect® Data Acquisition (DA) Toolkit 7.1 / Nortel CDMA RP15.3 Patch02
- Prospect® Data Acquisition (DA) Toolkit 7.1 / Nortel CDMA RP16.0 Patch03
- Prospect® Data Acquisition (DA) Toolkit 7.1 / Nortel CDMA RP16.1 Upgrade
- Prospect® Data Acquisition (DA) Toolkit 7.1 / Nortel CDMA RP16.2 Upgrade
- Prospect® Data Acquisition (DA) Toolkit 7.1 / Nortel CDMA RP16.3 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 7.1.16.4-TIV-PROSPECTDA-NORCDM-FP0000.tar to this directory.
4. Make a copy of the cbrs.cfg and templateFile file as they will be overwritten by the new DA software. (Users may want to revert back to old copies after upgrade if needed)

```
$ cp /u01/apps/WatchMark/FlexDA/cfg/cbrs.cfg  
/u01/apps/WatchMark/FlexDA/cfg/cbrs.current
```

```
$ cp /u01/apps/WatchMark/FlexDA/cfg/templateFile  
/u01/apps/WatchMark/FlexDA/cfg/templateFile.current
```

5. Extract the package using the following command. This will create a subdirectory (patches/7.1.16.4-TIV-PROSPECTDA-NORCDM-FP0000/) in \$FLEXDAHOME and will extract files into this directory:

```
$ tar -xvf 7.1.16.4-TIV-PROSPECTDA-NORCDM-FP0000.tar
```

5.3 Installation Instructions

1. Log in as user flexda.
2. Stop the cron job
3. Go to the directory \$FLEXDAHOME/patches/7.1.16.4-TIV-PROSPECTDA-NORCDM-FP0000

```
$ cd \  
$FLEXDAHOME/patches/7.1.16.4-TIV-PROSPECTDA-NORCDM-FP0000
```
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>.ntcdma.cfg file
3. Update the required following information for the MTX, RNC and SDM configuration in
\$FLEXDAHOME/INSTALL/localhost/cfg/<hostname>.ntcdma.cfg.

For more information, refer to following

\$FLEXDAHOME/INSTALL/ALL/doc/host.ntcdma.cfg.sample and refer to section *Field Description* in *Data Acquisition Tools 7.1 for Nortel AMPS/TDMA/CDMA MTX16* for further information on how to configure the new parameters.

Update this section to retrieve data from MTX. New parameters were added to support MTX connection through CBM. The new or updated data highlighted in blue color.

```
#
# MTX
# Prospect Loader target directory
tmdir=/u01/apps/WatchMark/FlexPM/Nortel/x/vendor/Nortel/MS/ftpIN/MTX12/in

# MARKET   TGTDIR   SRCIP           SRCID           SRCUSER        SRCPSWD
NOOFOMGRPS
# -----
-
#           AFTPORT CHGPSWD DATATYPES
#           -----
#   OMGRPSCFG           TMADJ
#           -----
# CBMPASSTHROUGH   CBMIP           CBMSRCUSER       CBMSRCPSWD
# -----
#           SECURERETRIEVE   SECUREDELIVER   PSWD_AUTH
#           -----
set -A ntcdma_mtx
SD   $tmdir   ???.???.???.??   MTX48   mtxuser   mtxpass   337   \
    30001   Y   mtxom, trkmem, tables, omshow, actlog   \
    cfg/omgroups.cdma   60   \
N           ???.???.???.??   cbmuser           cbmpass           \
    1           1           N           \
SD   $tmdir   ???.???.???.??   MTX49   mtxuser   mtxpass   337   \
    30001   Y   mtxom, trkmem, tables, omshow, actlog   \
    cfg/omgroups.cdma   60   \
N           ???.???.???.??   cbmuser           cbmpass           \
    1           1           N           \
SD   $tmdir   ???.???.???.??   MTX50   mtxuser   mtxpass   337   \
    30001   Y   mtxom, trkmem, tables, omshow, actlog   \
    cfg/omgroups.cdma   60   \
N           ???.???.???.??   cbmuser           cbmpass           \
    1           1           N           \
```

Update this section to retrieve data from RNC. New parameters were added and `scratcharea` was removed to support new RNC OM collection method. The new or updated data highlighted in blue color. Removed section highlighted in red color. `SCRATCHAREA` is not common among RNCs anymore. It can be reside in RNC when `REMOTE_COMPRESSION` is set to Y which can vary among the RNCs. So the `REMOTE_COMPRESSION` parameter was moved to bottom and need to be filled with absolute path. Please make sure the path set in `SCRATCHAREA` is a valid path. `DOM_BATCH_SIZE` only use when the `REMOTE_COMPRESSION` is set to Y. If `REMOTE_COMPRESSION` is set to N, `DOM_BATCH_SIZE` can have any value. Suggested value is 'none'. To disable the batching mechanism, set `DOM_BATCH_SIZE` to number bigger than number of DOMs set in `candidaterncQuery<date>.txt` file. The `DOM_COLLECTION` is to enable or disable the DOM file collection. Setting `DOM_COLLECTION` to 'Y' will instruct DA to collect the DOM files configured in `candidaterncQuery<date>.txt` file. Setting `DOM_COLLECTION` to 'N' will stop DA from collecting DOM files even the DOM was configured in `candidaterncQuery<date>.txt` file.

```
#
# RNC
#
# RNC OM Source Base Directory
rncomsdir=/webNMS/dcFiles
rnccfgsdir=/webNMS/dcFiles

# Local scratch area for RNC OM file processing
# If none is used, do not change this configuration below
# (defaulted to $LOCALDIR/tmp)
scratcharea='$LOCALDIR/tmp'

# Prospect Loader target directory
tdir=/u01/apps/WatchMark/FlexPM/Nortel/x/vendor/Nortel/MS/ftpIN/MTX12/in

# * SCRATCHAREA option is only applicable to rncom datatypes.
# For rnccfg datatypes, just set SCRATCHAREA to 'none'
#
# MARKET  TGTDIR  SRCIP          SRCID  RNCID  SRCUSER  SRCPSWD
# -----  -
# SRCDIR          DATATYPES  TMADJ  DOM_BATCH_SIZE  DOM_COLLECTION
# -----  -
# SECURERETRIEVE SECUREDELIVER PSWD_AUTH REMOTE_COMPRESSION
# -----  -
# SCRATCHAREA
# -----
set -A ntcdma_rnc
SD $tdir ???..???..???..??? ems01  ems01  emsuser  emspass \
$rnccfgsdir rnccfg 0 none N \
1 1 N Y \
none \
SD $tdir ???..???..???..??? ems01  rnc01  emsuser  emspass \
$rncomsdir rncom 0 50 N \
1 1 N Y \
<scratcharea> \
SD $tdir ???..???..???..??? ems01  rnc02  emsuser  emspass \
$rncomsdir rncom 0 50 N \
1 1 N Y \
<scratcharea>
```

Update this section to retrieve data from SDM. The new or updated data highlighted in

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blue color. The `MTXNAME` parameter was added to support data file naming for customer who converting from AFT to SDM/CBM. For other customer, the `MTXNAME` need to be set with same value as `MSCNAME`. The `MTXNAME` value need to be same as value set in `msc_list`.

```
#
# SDM
#
sdmsdir=/omdata/closedNotSent
cbmsdir=/cbmdata/00/billing/ama/closedNotSent
sdmddir=/omdata/closedSent
cbmddir=/cbmdata/00/billing/ama/closedSent

# Prospect Loader target directory
tdir=/u01/apps/WatchMark/FlexPM/Nortel/x/vendor/Nortel/MSC/ftpIN/MTX12/in

# MARKET  TGTDIR      SRCIP          SRCID          MSCNAME        SRCUSER        SRCPSWD
# -----  -
#          SRCDIR      CBMSRCDIR      SRCOPT         DATATYPES      TMADJ          COLMULT
#          -
# MVSRC     SDMDDIR          CBMDDIR
# -----  -
#          SECURERETRIEVE SECUREDELIVER  PSWD_AUTH     MTXNAME
#          -----
set -A ntcdma_sdm \
SD      $tdir      ???.????.??.??? sdm01      msc01      sdmuser01 sdmpass01 \
        $sdmsdir $cbmsdir      both      sdmom      0          yes        \
yes     $sdmddir $cbmddir      N          mtxname
```

4. Run setconfig.ksh script

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

5. Start the cron job

5.5 Uninstallation Procedure

1. Log in as user flexda.

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2. Stop the cron job
3. Go to the directory `$FLEXDAHOME/patches/7.1.16.4-TIV-PROSPECTDA-NORCDM-FP0000`

```
$ cd \  
$FLEXDAHOME/patches/7.1.16.4-TIV-PROSPECTDA-NORCDM-FP0000
```
4. Uninstall the patch.

```
$ ./patch.sh -uninstall
```
5. Restore the `$FLEXDAHOME/INSTALL/localhost/cfg/<hostname>.ntcdma.cfg` file from backup.
6. Run `setconfig.ksh` script.

```
$ cd $FLEXDAHOME  
$FLEXDAHOME/INSTALL/ALL/scripts/setconfig.ksh \  
$FLEXDAHOME/INSTALL/localhost/cfg/<hostname>.ntcdma.cfg
```
7. Start the cron job

6 Customer Support

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

7 Manifest

```
patches/  
patches/7.1.16.4-TIV-PROSPECTDA-NORCDM-FP0000/  
patches/7.1.16.4-TIV-PROSPECTDA-NORCDM-FP0000/package.info  
patches/7.1.16.4-TIV-PROSPECTDA-NORCDM-FP0000/set_ntcdma.ksh  
patches/7.1.16.4-TIV-PROSPECTDA-NORCDM-FP0000/cbrs.cfg  
patches/7.1.16.4-TIV-PROSPECTDA-NORCDM-FP0000/batchscp.exp  
patches/7.1.16.4-TIV-PROSPECTDA-NORCDM-FP0000/bsmomdist.exp  
patches/7.1.16.4-TIV-PROSPECTDA-NORCDM-FP0000/chgpswd.exp  
patches/7.1.16.4-TIV-PROSPECTDA-NORCDM-FP0000/extract.pl  
patches/7.1.16.4-TIV-PROSPECTDA-NORCDM-FP0000/extract_rmt.pl  
patches/7.1.16.4-TIV-PROSPECTDA-NORCDM-FP0000/host.ntcdma.cfg.sample
```

patches/7.1.16.4-TIV-PROSPECTDA-NORCDM-FP0000/icf_chat.exp
patches/7.1.16.4-TIV-PROSPECTDA-NORCDM-FP0000/mtxtablesdist.exp
patches/7.1.16.4-TIV-PROSPECTDA-NORCDM-FP0000/ntcdma_cfg.txt
patches/7.1.16.4-TIV-PROSPECTDA-NORCDM-FP0000/ntcdma_errormsg.txt
patches/7.1.16.4-TIV-PROSPECTDA-NORCDM-FP0000/patch.sh
patches/7.1.16.4-TIV-PROSPECTDA-NORCDM-FP0000/pgmscsdmomdist.exp
patches/7.1.16.4-TIV-PROSPECTDA-NORCDM-FP0000/ppcstaget.exp
patches/7.1.16.4-TIV-PROSPECTDA-NORCDM-FP0000/rncom-spacecalc
patches/7.1.16.4-TIV-PROSPECTDA-NORCDM-FP0000/rncomdist.exp
patches/7.1.16.4-TIV-PROSPECTDA-NORCDM-FP0000/rncomdist_rmt.exp
patches/7.1.16.4-TIV-PROSPECTDA-NORCDM-FP0000/templateFile
patches/7.1.16.4-TIV-PROSPECTDA-NORCDM-FP0000/mgntmmdmdist.exp

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