

Release Notes

Prospect® 8.0

**Motorola CDMA/AMPS/EVDO R21/S19/R7
RP4.1 Upgrade**



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1 Description

This document provides information on the Prospect® 8.0 – Motorola CDMA/AMPS/EVDO R21/S19/R7 RP4.1 upgrade release (20.0.4.1.0).

This release of Motorola CDMA/AMPS/EVDO supports an upgrade from Motorola CDMA/AMPS/EVDO **RP4** to Motorola CDMA/AMPS/EVDO **RP4.1**.

NOTE: This document only covers details for performing the upgrade from Motorola CDMA/AMPS/EVDO RP4 to Motorola CDMA/AMPS/EVDO RP4.1.

The following publications are included with this release.

<i>Publication</i>	<i>File Name</i>	<i>Revision Date</i>
Prospect Administration Guide	AdminGuide.pdf	27 June 2008
Prospect Administrator's Quick Reference Card	QuickReference.pdf	27 March 2008
Prospect Data Acquisition Tools Guide	DA_Tools.pdf	29 May 2008
Prospect Installation Guide	InstallGuide.pdf	1 April 2008
Prospect Open Interface API	OpenInterface-API.pdf	28 January 2008
Prospect Server Preparation Guide	ServerPrep.pdf	14 May 2008
Prospect Server Sizing Tool	SizingTool.pdf	25 April 2008
Prospect Performance Data Reference	PerfDataRef.pdf	19 June 2008
Prospect User Guide	UsersGuide.pdf	4 March 2008
Expressions Technical Reference	Expressions.pdf	21 February 2008

2 Compatibility of Prospect Components

The following is a list of components that Prospect is compatible to:

<i>Prospect Component</i>	<i>Version Supported</i>
Prospect Server	8.0.5.0.08
Prospect Client	8.0.5.0.06
Prospect Web	2.2.5.0.7
Oracle	Oracle 9i (9.2.0.8 on Solaris 9) and Oracle 10g (10.2.0.3 on Solaris 10)
Solaris	9 and 10 (Zoning not supported)
DAT	7.1
Perl	5.6.1
Java	1.5.0_13 or higher

The vendor software releases supported are:

<i>Supported Vendor Software</i>
Motorola CDMA RAN 18 19 20 21
Motorola EVDO R5 R6 R7
Motorola AMPS EMX S17 S18 S19

Complete platform support information for the current release is in the *Prospect Server Preparation Guide*. Complete client hardware and software requirements are in the *Prospect Installation Guide*.

3 New Features

3.1 Partition Maintenance Performance Enhancement

The architecture of the Partition Maintenance process has been enhanced to provide multiple session capability, thereby allowing parallel processing.

3.2 Busy Hour Performance Enhancement

The architecture of the Busy Hour process has been enhanced to provide multiple session capability, thereby allowing parallel processing.

3.3 Summation Performance Enhancement

The architecture of the Summation process has been enhanced to provide multiple session capability, thereby allowing parallel processing.

3.4 CDMA R21 Counter Support

Support has been added for Motorola CDMA R21 counters in this upgrade release.

The following table lists those data types which are new/extended/updated in this release and from which we are loading data into database:

Data Type	Data Set	Notes
PM	pmC table 200	1 new peg added.
PM	pmC table 121	2 existing pegs reused.
PM	pmC table 142	New pmC142 table for VPU added.
PM	pmC table 520	3 new pegs added.
PM	pmC table 63	12 new pegs added.
EVDO PM	AEMS C602, C603 and C606	12 new pegs added.
PM	pmC table 86	2 existing peg updated.
AN PM	pmC table 154	3 existing peg updated.
PM	pmC table 155	1 existing peg updated.

Data Type	Data Set	Notes
CDL	pmC table 525	2 existing peg updated.
PM	pmC table 170	8 existing peg updated.
PM	pmC table 56	6 existing peg updated.
PM	pmC table 26	5 existing peg updated.
PM	pmC table 27	9 existing peg updated.
PM	pmC table 116	1 existing peg updated.

4 Resolved Issues

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

<i>DDTS / SRS or APAR</i>	<i>Sev</i>	<i>Description</i>
SEAde69889 / valnt00043230	3	Local key discrepancy and split key missing for the entity SC_PaTrnkGrp(RN).
IZ27841 / valnt00045738	3	AN FILES ARE FAILING DURING PROCESSING
IZ25444 / valnt00042780	2	Changes to the Sentry necessary to load EVDO data
IZ25780 / valnt00042943	2	Duplicate entries of table (SS7Lnk1) in AD_SCAN_TABLES
SEAde69518	3	Report generation fail due to ORA-01747:invalid user.table.column
SEAde69701	2	Issues found in Prospect Client and Middleware during EVDO-BSCDO-DELTA-DD
SEAde69852	2	Moto RP4 PDR discrepancies (RN).
SEAde65678	2	Some Elements do not appear in the Active Scenario
SEAde69910 / valnt00043368	3	healthcheck -s returns empty prospect_rel_patch_info in RP4 Upg (RP4 RN)
SEAde69879	3	Some retention periods for past_part_maint.sh are not preserved after RP4 upgrade
SEAde69944 / valnt00043372	2	MotoRP4: 3 EVDO pegs have similar report heading.

5 Known Problems

5.1 SMTP Configuration for E-Mail Event Notifications [SEAd36042]

Description: If the configure-smtp.sh script is run and an invalid SMTP server/option is specified, then the event handler can take a long time to process events (email notification section).

Impact: If this is subsequently fixed and the event handler is restarted, then a flood of emails could be sent if there are many unhandled events in the database.

Workaround: None.

5.2 Stored Busy Hour Reports Fail for Last Interval of the Day [SEAd41961]

Description: Stored busy hour reports fail for the last interval of the day (23:45). This is observed for the entity interface and might be an issue for other entities as well. The non-stored busy hour report works correctly.

Impact: Stored busy hour reports fail for the last interval of the day (23:45).

Workaround: None. Users can use the Non-Stored Busy Hour report for specific cases.

5.3 Fields for which "show" button set off in template are not shown in regular output but do show on graph(should not) [SEAd58948]

Description: In the report result, the fields with "show" attribute set off should not be displayed in the excel report both in values and also in graph.

Actual Results:

The fields for which the "show" button set off are not shown in the report values but are shown in the graph

Impact: Report and graph show different results.

Workaround: Report is correct.

5.4 Warning message when 'healthcheck' command is executed [SEAd64209]

Description: When the "healthcheck" command is issued at the unix prompt, there will be a warning message stating "No such file or directory.." along with the expected output. Of the many attributes for which 'healthcheck' displays the status, the above-mentioned warning is for the attribute: "files_age". Though there is warning message, status of all the attributes are displayed.

Impact: None

Workaround: None

5.5 Execution 'add_filetype_timeout.sh all' script throws error [SEAd68341]

Description: Running 'add_filetype_timeout.sh all', then changing the default timeout

value using override_default_timeout.sh -f < file type> -t <timeout to override> and

running add_filetype_timeout.sh once again give ORA errors.

Impact: ORA errors occur.

Workaround: Not recommended to run the script. Please refer to Useful Hints [7.13](#) for more information.

5.6 Simulated data used for RP4.1 testing [valnt00044731]

Description: The development and testing of the Motorola RP4.1 product was done based on the format specifications received from the vendor. This was due to unavailability or lack of reliable sample data coverage received.

Impact: Data loading may fail if the production data does not match the vendor format specifications

Workaround: None.

5.7 Server Prep for Moto RP4.1 needs update [valnt00044667]

Description: Upgrading Oracle 9i to 10g steps on editing listener should be done by editing the listener.ora before starting the listener.

Impact: None

Workaround: Restart listener.

5.8 Clone of SEAd69852 - Moto RP4 PDR discrepancies [valnt00043364]

Description: There are some discrepancies on the Description, data Source, Source Field, Source Section and Calculation section when comparing counters data dictionary in Prospect Client and *Prospect Performance Data Reference* (PerfDataRef.pdf).

Impact: The data dictionary information displayed in PDR is wrong. Fix will be available in next release.

Workaround: The data dictionary information displayed in Prospect Client is correct.

5.9 Incorrect information in Registry Info during ./wminstall [valnt00043620]

Description: The registry info displayed was shown not in the right format before the installation.

Impact: None

Workaround: None

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6 Upgrade Instructions

The following instructions are for an upgrade of Prospect® 8.0 for Motorola CDMA/AMPS/EVDO **RP4** to Motorola CDMA/AMPS/EVDO **RP4.1** only.

6.1 Prerequisites

Please see the Table in Section 2 for the pre-requisites. Please note the Prospect / Core and the Java version to make sure they are correct.

Note: To install the Oracle 9.2.0.8 DST patch on an existing Solaris 10 system, the following command need to be used:

```
$ runInstaller -ignoreSysPrereqs
```

6.1.1 Baseline Requirements

The base environment that this patch will be applied against:

- a. Prospect 8.0 Motorola CDMA/AMPS/EVDO R20/S19/R7 Release (**Upgrade Install PATH**)
 - Prospect 8.0 Motorola CDMA/AMPS/EVDO R17/S17/R4 (Drop 1.4) base release
 - Prospect 8.0 Motorola CDMA/AMPS/EVDO R18/S17/R5 (RP2.2) upgrade release
 - Prospect 8.0 Motorola CDMA/AMPS/EVDO R18/S17/R5 RP2.2 Hotfix 1 (18.0.2.2.1.28012) release (optional)
 - Prospect 8.0 Motorola CDMA/AMPS/EVDO R18/S17/R5 RP2.2 Hotfix 2 (18.0.2.2.2.28011) release (optional)
 - Prospect 8.0 Motorola CDMA/AMPS/EVDO R18/S17/R5 RP2.2 Hotfix 3 (18.0.2.2.3.28011) release (optional)
 - Prospect 8.0 Motorola CDMA/AMPS/EVDO R18/S17/R5 RP2.2 Hotfix 4 (18.0.2.2.4.28011) release (optional)
 - Prospect 8.0 Motorola CDMA/AMPS/EVDO R18/S17/R5 RP2.2 Hotfix 5 (18.0.2.2.5.28011) release (optional)
 - Prospect 8.0 Motorola CDMA/AMPS/EVDO R19/S18/R6 RP3 upgrade (19.0.3.0.0.41105) release
 - Prospect Core 8.0.2 patch09 or later patch
 - Prospect 8.0 Motorola CDMA/AMPS/EVDO R19/S18/R6 RP3 Hotfix 1 (19.0.3.0.1.41105) release
 - Prospect 8.0 Motorola CDMA/AMPS/EVDO R19/S18/R6 RP3 Patch 10 (19.0.3.0.10.41102) release
 - Prospect 8.0 Motorola CDMA/AMPS/EVDO R19/S18/R6 RP3 Patch 10 Hotfix 1 (19.0.3.0.11.41101) release

- Prospect 8.0 Motorola CDMA/AMPS/EVDO R19/S18/R6 RP3 Patch 10 Hotfix 2 (19.0.3.0.12.41101) release
 - Prospect 8.0 Motorola CDMA/AMPS/EVDO R19/S18/R6 RP3 Patch 10 Hotfix 3 (19.0.3.0.13.41101) release
 - Prospect 8.0 Motorola CDMA/AMPS/EVDO R19/S18/R6 RP3 Patch 10 Hotfix 4 (19.0.3.0.14.41101) release
 - Prospect 8.0 Motorola CDMA/AMPS/EVDO R20/S19/R7 RP4 Upgrade (20.0.4.0.0.3) release.
- b. Prospect 8.0 Motorola CDMA/AMPS/EVDO R20/S19/R7 Release (**Fresh Install PATH**)
- Prospect 8.0 Motorola CDMA/AMPS/EVDO R20/S19/R7 RP4 Fresh (20.0.4.0.0.3) release

Execute the following command to check the currently installed system:

```
[flexpm]$ show_installed
```

The output should be similar to the following:

COMPONENT	INSTALL_TY	INSTALL_DATE
CORE Prospect rev 8.0.5.0 b8	INSTALL	08-JUN-10 17:52:15
VENDOR MotoEVDO rev 7.0.4.0.0 b3	INSTALL	08-JUN-10 18:15:36
VENDOR MotoCDMA rev 20.0.4.0.0 b3	INSTALL	08-JUN-10 18:07:28

For optional hotfixes, they are not prerequisites. It would work if they have been installed already. Otherwise, they are not required.

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.*

6.1.2 Disk Space and Table Space Requirements

The installation of the upgrade requires additional 500 MB disk space under /u01 file system.

The install script also requires that at least 10% of total tablespace size is available for each tablespace. Please contact IBM customer support if there is less than 10% of total tablespace available for any of the tablespaces.

Note: *It is recommended to always keep 10% of total table space size available for each table space.*

6.1.3 Third-party software usage - gtar

gtar is being used for the file extraction of the upgrade package. Make sure gtar is available at the below location.

```
$ ls -la /usr/sfw/bin/gtar
```

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```
-r-xr-xr-x  1 root  bin  195400 Jan 23  2005 /usr/sfw/bin/gtar
```

6.1.4 Oracle version

It is **highly** recommended that the Oracle version on the Prospect server is either 9.2.0.8 or 10.2.0.3. Other versions are not supported. The `wminstall` preview command will check for these specific versions and will throw out warnings if this check fails.

6.1.5 Perl Version

Make sure that `/usr/bin/perl` is version 5.6.1. Type the following command to verify:

```
$ /usr/bin/env perl -v
```

The first line of the output should show:

```
This is perl, v5.6.1 built ...
```

Note: *If the Perl version is incorrect, the installation should not proceed.*

Here are the steps to verify and install Perl 5.6.1 if needed.

Step 1: To determine the version of Perl

1. Find out which version of Perl is installed by entering the following command:

```
$ /usr/bin/perl -v
```

2. If you see 5.6.1 then you can proceed to Step 2: Verifying/Creating Perl installation directory and Symbolic links.

3. If you see a version other than 5.6.1, then first check to see if Perl 5.6.1 is installed. Run the following command to determine this.

```
$ ls /usr/perl5/5.6.1
```

If the above command produces no error, then proceed to Step 2.

If the above directory does not exist, then you need to install Perl 5.6.1 from the standard Perl website. Perl is not included in Prospect tarball. After the install, run the above command to make sure the install went ok. Then proceed to the Step 2 about Creating Symbolic Links to Perl Directory

Step 2: Verifying/Creating Symbolic Links to the Perl Directory

The following steps verify and create symbolic links to the Perl directory. You will need the "root" user password to make links.

1. Determine the current location of Perl. This is normally `/usr/bin/perl`. Identify the directory where Perl is located by entering the following command:

```
$ whereis perl
```

You should see `perl:/usr/bin/perl /usr/local/bin/perl`

If you see other directories then you will still need to go through the steps below.

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2. Determine whether `/usr/bin/perl` is a symbolic link to the correct Perl directory:

```
$ ls -lrt /usr/bin/perl
```

This should point to the directory `/usr/perl5/5.6.1/bin/perl`.

If it does not, then:

Log on as root, and change to the `/usr/bin` directory.

```
[root] $ cd /usr/bin
[root] $ rm -f perl
[root] $ ln -s /usr/perl5/5.6.1/bin/perl perl
```

6.1.6 Java Version

Make sure that `/usr/java/bin/java` returns a version equal or greater than 1.5.0_13 on your server. Type the following command to verify:

```
$ /usr/java/bin/java -version
```

The first line of the output should show:

```
java version "1.5.0_13" ...
```

If the version returned above is not equal or greater than 1.5.0_13, please contact system administrator to upgrade the java version on your server

Note: *If the Java version is incorrect, the installation will still be able to proceed, but the java based sentry/loader middleware components will not be able to start, and this will impact the loading of some data types.*

6.2 Installation Privileges Required

<i>Privilege</i>	<i>Required</i>
Oracle flexpm user DBA role	No
UNIX flexpm user in DBA group	Yes
Root privilege required	No
Oracle sys user password set to default (change_on_install)	Yes

Important! *Please do not proceed with installation if the required privileges are not present.*

6.3 Pre-Installation Instructions

6.3.1 System Backup

This upgrade cannot be uninstalled. This upgrade involves updates to the database and the metadata; therefore recovery from backup is the only way to reverse the changes made by this upgrade. You must perform a full system backup before installing this upgrade. In a multi-schema database, if the schema being updated can be reliably backed up then this is

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sufficient, if not then backup the entire database. If needed, please refer to the "Backing up the Database" section of the *Prospect Administration Guide*. Please contact IBM customer support if you require further support.

6.3.2 Network Timeouts

If your system has a security policy in place such that a session is disconnected after a lengthy period of apparent inactivity, you should disable it during this upgrade. The upgrade can take over an hour to run and requires no user input during the majority of the upgrade. This can make the upgrade session appear idle. If timeouts are not disabled, the upgrade terminal could be disconnected during the upgrade.

Important! *Un-installation of this upgrade is not supported. A complete system back up is recommended before installing this upgrade*

6.3.3 Oracle Sys Account Access

Prospect 8.0 requires that all logins using the `sys` account must be qualified as `sysdba`. The following Oracle changes are required.

1. Verify that the change is needed. Try to log in using `sqlplus`:

```
$ sqlplus /nolog
> connect sys/change_on_install@flexpm as sysdba
```

Note: If you can log in, you can skip the rest of this procedure.

2. If you get an error concerning privileges, then you need to continue with the following steps.
3. Set the `remote_login_passwordfile` parameter in the `init<sid>.ora` file. On most Prospect systems the `sid` is `flexpm`. Log in as the oracle user, and then enter the following command.

```
$ cd $ORACLE_BASE/admin/flexpm/pfile
```

4. Edit the `init<sid>.ora` file (for example, `initflexpm.ora`) and add the following line.

```
remote_login_passwordfile=EXCLUSIVE
```

5. Create the Oracle password file to allow remote `sys` access. While still logged in as the oracle user verify that `$ORACLE_HOME`, and `$ORACLE_SID` are correct, then enter the following command.

```
$ orapwd file=${ORACLE_HOME}/dbs/orapw${ORACLE_SID} \
password=change_on_install entries=10
```

6. Bounce the database so that the parameter and password file take effect. If you get an error concerning the `passwordfile`, verify that it is in the `dbs` directory and that the filename is `orapwflexpm`.
7. To verify that the changes has been taken. Rerun step 1.

6.3.4 Warning: Disable server access in Prospect Web

If Prospect Web is accessing this Prospect installation, then use the admin tool to disable the corresponding data source. Failure to do this step may results in errors in

both the upgrade and Prospect Web. Consult customer support if you have questions.

6.3.5 Check for locked objects

Occasionally, some of the Prospect Server processes (such as busy hour/summation) may lock some Oracle objects. When this happens and the upgrade tries to use these objects, we would see ORA-04021 and ORA-0054 errors indicating that "Resource is busy". These errors may cause the upgrade to fail.

To prevent such errors, we recommend that you run the check_lock.sql a few minutes after the middleware and pweb instances are brought down. If the script outputs non-zero rows, then you need to work with Product Support to determine the best way to proceed.

Check for existing processes locking Oracle objects for flexpm user using the following SQL script.

1. Login as user flexpm if not already login.
2. Source the .profile after navigating to proper ProspectBase directory for this installation.
3. Check if it is in the right environment by echoing \$NE_BASE and \$DB_CONNECT variable.

```
[flexpm]$ echo $NE_BASE
$ echo $DB_CONNECT
```

4. Go to the location of the tarball and extract the file:

```
[flexpm]$ cd <tarball location>
[flexpm]$ gtar -xzvf 20.0.4.1-TIV-PROSPECT-MOTCDM-IF0000.tgz
```

5. Check if there is any lock object. If any do not proceed until you have got a green light to proceed from our Technical Support.

```
[flexpm]$ cd <tarball location>/sun-server-1/wminstall
[flexpm]$ sqlplus $DB_CONNECT
SQL> @check_lock.sql
SQL> exit;
```

6.4 Upgrade Instructions

NOTE: For installations and upgrades to Solaris 10 see the Server Preparation Guide to install Perl and Java

1. If this Prospect system is associated with a Prospect Web system, it is advisable to use the Prospect Web Administration Tool to disable the datasource associated with this Prospect system. See the Prospect Web Administration Guide for more information.
2. Log in as user flexpm.

3. If the server is running multiple Prospect schemas or the Motorola profile is not configured to be executed on log in as the `flexpm` user, then the Motorola profile must be sourced before applying this upgrade.

If a menu system is in place to allow selection of the Motorola system from a list of installed Prospect applications, then select the Motorola option. Alternatively, navigate to the location of the Motorola installation and manually source the `.profile` in the `ProspectBase` directory. Assume Motorola RP4 is installed under `~flexpm/Motorola` directory.

```
[flexpm]$ cd ~flexpm/Motorola/ProspectBase
[flexpm]$ . ./profile
```

4. Stop the middleware from running if it is currently running

```
[flexpm]$ ps-mgr stop all
[flexpm]$ ps-mgr halt
```

5. Backup current retention period for `past_part_maint.sh`:

```
[flexpm]$ past_part_maint.sh > $FLEXPM_BASE/past_part_maint.bak
```

6. Go to the location of the installer:

```
[flexpm]$ cd <tarball location>/sun-server-1/wminstall
```

7. Preview the installation for problems before installing the update:

To preview in Oracle 9i

```
[flexpm]$ ./wminstall -b $FLEXPM_BASE -d $DB_CONNECT \
-portbase $PORT_GROUP -core_spec core.spec -preview -v
```

To preview in Oracle 10g

```
[flexpm]$ ./wminstall -b $FLEXPM_BASE -d $DB_CONNECT \
-portbase $PORT_GROUP -core_spec core.spec.10g -preview -v
```

8. Check the results of the preview and contact IBM support if you have any queries

9. Run the installation by typing the following commands:

To install in Oracle 9i

```
[flexpm]$ ./wminstall -b $FLEXPM_BASE -d $DB_CONNECT \
-portbase $PORT_GROUP -core_spec core.spec -v
```

To install in Oracle 10g

```
[flexpm]$ ./wminstall -b $FLEXPM_BASE -d $DB_CONNECT \
-portbase $PORT_GROUP -core_spec core.spec.10g -v
```

The installation of the upgrade might take a while to complete. The log file (with filename like <YYYY>__<MM>__<DD>__<HH>__<MM>__<SS>) under /var/tmp can be viewed from another console during the installation for the installation progress.

- Review the install log file. If you have any concerns, please contact the IBM support team for help.

After `wminstall` is completed, please examine the `detail.log` or `summary.log` under the directory of

`$FLEXPM_HOME/audit/<YYYY>__<MM>__<DD>__<HH>__<MM>__<SS>` for any error messages.

Expected error:

```
Registry Info      :
Product (13)       : Platform () Release (.)
Product (2)        : Platform () Release (.)
Product (13)       : Platform () Release (.)
```

- Perform the post `wminstall`:

```
[flexpm]$ cd post-install
```

```
[flexpm]$ post-install.sh
```

End with

Post installation completed!

6.5 Post-Installation Instructions

6.5.1 Resource the updated .profile

- Log out and log back in as `flexpm`, if you have not already done so.
- If the server is running multiple Prospect schemas or the Motorola profile is not configured to be executed on log in as the `flexpm` user, then the Motorola profile must be sourced.

If a menu system is in place to allow selection of the Motorola system from a list of installed Prospect applications, then select the Motorola option. Alternatively, navigate to the location of the Motorola installation and manually source the `.profile` in the `ProspectBase` directory. Assume Motorola RP4.1 is installed under `~flexpm/Motorola` directory.

```
[flexpm]$ cd ~flexpm/Motorola/ProspectBase
```

```
[flexpm]$ . ./profile
```

To check if the correct profile has been sourced and also verifying that all components have been successfully installed, running the command `show_installed` should result in the following output being displayed:

COMPONENT	INSTALL_TY	INSTALL_DATE
CORE Prospect rev 8.0.5.0 b8	INSTALL	08-JUN-10 17:52:15
VENDOR MotoEVDO rev 7.0.4.1.0 b2	INSTALL	08-JUN-10 18:15:36
VENDOR MotoCDMA rev 20.0.4.1.0 b2	INSTALL	08-JUN-10 18:07:28

Note: The version numbers (*rev*) should be the same as those shown. The build numbers (e.g. *b1*, *b2* or *b3*, etc) might be different. The install type (*INSTALL*, *PATCH* or *UPGRADE*) is not important. The install dates and times will be different from those shown.

6.5.2 Configure Retention Period Settings [SEAd69879]

During the upgrade, some of the retention period may be reset back to 'Unlimited'. This can be reconfigured as follows:

1. Compare the output of `past_part_maint.sh` against the original values recorded in `past_part_maint.bak` (Refer to Section 6.4 step 5).
2. If any values are different, please change it back to the original values using the following command:

```
[flexpm]$ past_part_maint.sh <class type> <original value>
```

Example:

```
[flexpm]$ past_part_maint.sh OMCR_SAR 10
```

(This command will set the retention period of `OMCR_SAR` to 10 days)

3. Repeat step 2 above for other class types that has been reset to unlimited by the upgrade.

6.5.3 Configure Time Zone Region

During the upgrade, the schema's Time Zone Region defaults to the 'Greenwich Mean Time' Time Zone Region

For further information on Time Zone Regions please refer to the Prospect Administration Guide.

This can be configured as follows:

1. Review your current Time Zone Region. If your time zone information is correct, skip to [6.5.6](#).

```
[flexpm]$ set_tzr.sh -t
```

```
Connected.
```

```
Greenwich Mean Time
```

2. Review the list of available Time Zone Regions:

```
[flexpm]$ timezoneregion.sh -t
```

```
Connected.
```

```
America/Anchorage    -540 [1] First Sunday on or after Mar 8 at
02:00 ... First Sunday in Nov at 02:00, 60 minutes
```

```
America/Buenos Aires -180
```

```
America/Caracas     -240
```

```
America/Chicago     -360 [1] First Sunday on or after Mar 8 at
02:00 ... First Sunday in Nov at 02:00, 60 minutes
```

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```
America/Denver      -420 [1] First Sunday on or after Mar 8 at
02:00 ... First Sunday in Nov at 02:00, 60 minutes
America/Honolulu   -600
America/Indianapolis -300
America/Lima Peru   -300
America/Mexico City -480 [1] First Sunday on or after Mar 8 at
02:00 ... First Sunday in Nov at 02:00, 60 minutes
America/New York    -300 [1] First Sunday on or after Mar 8 at
02:00 ... First Sunday in Nov at 02:00, 60 minutes
America/Noronha    -120
...
```

3. Set your Time Zone Region using one of the existing options:

```
[flexpm]$ set_tzr.sh -n "America/Seattle"
Connected.
OK: America/Seattle
```

6.5.4 Remake Sentry and Configure nej_list

Before starting the middleware, it is recommended to configure the `$PROSPECT_HOME/nej_list`. After this has been done, proceed to run the following command to load this configuration into the Prospect server.

```
[flexpm]$ addNE.sh -remake
[flexpm]$ addNEJ.sh
```

6.5.5 Start the Middleware

Once the installation has been completed, you should start the middleware so that data can be loaded and the system can be used.

To start the middleware

```
[flexpm]$ ps-mgr init
```

6.5.6 Enable Server Access in Prospect Web

If you disabled access to the Prospect server from Prospect Web in step [6.3.4](#), then use the admin tool to re-enable access to the corresponding data source in Prospect Web.

6.6 Un-installation Procedure

This upgrade cannot be uninstalled. This upgrade involves updates to the database or the metadata. Therefore recovery from backup is the only way to reverse the changes made by this upgrade. You must perform a full system backup before installing this upgrade. In a multi-schema database, if the schema being updated can be reliably backed up then this is sufficient, if not then backup the entire database. If needed, please refer to the "Backing up the Database" section of the *Prospect Administration Guide*. Please contact IBM customer support if you require further support.

7 Useful Hints

7.1 Installation log checking

Due to the change of installation method, the `install_error.log` which is generated after each installation is not automatically generated after the RP4 upgrade:

Before:

`install_error.log` is created and must be of zero size for a successful and error free installation

Now:

```
$ cd $PM_HOME/audit/<YYYY>__<MM>__<DD>__<HH>__<MM>__<SS>/
$ egrep -i 'warning|error|fail|ora-|sp2-|pls-' detail.log|egrep -iv
'LicenseStatusWarningBuilder.js|Aggregator/fail|FAILNORE|OK|= see|No
errors|00942|00955|01430|9999|2264|2275|installation|libLucentCPFail|
ignored|setting|ERROR at line 1:|ERROR at line
2:|errors=100|NOR_CALLFAILLOG_ST|Creating directory
"|_fail|ACCFAIL|MOT_CDL_RAW|failed_data|ora-files|any
errors|failure|--
WARNING:|MOT_CallConnFail_BSCDOInitConn|cpfailmessage|chmod:
WARNING:|Failed to drop|Failed to stop|jython|Please ignore|stage-
2|Note: INVALID_OBJECTS|Error/Warning Summary|Creating directory' >
install_error.log
```

NOTE: The entire `egrep` command above must be executed in a single line. The `install_error.log` file generated should be of zero file size to indicate a successful upgrade.

7.2 Invalid objects

Occasionally after the upgrade, there may be Oracle objects invalidated by the upgrade. If it happens, the `recompile_schema` script needs to be run to recompile these invalid objects again. Please refer to Section [6.5.2](#) if this needs to be done.

7.3 nej_list configuration

All CDMA entries in the `$PROSPECT_HOME/nej_list` must contain a single `system_id`. Multiple `system_ids` are not supported for CDMA CDL configurations in the `nej_list`. This is consistent with the previous RP3 release.

The EVDO CDL `nej_list` configuration is new in RP4. The `ne_name` of the EVDO entries must be configured using the `BSCDO_ID` as the `ne_name`.

Sample `nej_list` configuration:

wakko33CSR	5555	2	R20	wakko33CSR.	MotoCDMA	CDL
wakko30CSR	5555	5	R20	wakko30CSR.	MotoCDMA	CDL
01011	5555	1011	R7	hrpda1011.	MotoEVDO	CDL
01012	5555	1012	R7	hrpda1012.	MotoEVDO	CDL

To register this `nej_list` in the system, run the following command:

```
$ addNEJ.sh
```

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7.4 aemsC data file loading scenario creation [SEAd69785]

After loading the aemsC data file, it is possible that the scenario may not appear in the scenario list. This behavior was existent in RP3 release and is documented here for reference.

It is expected that other data types such as PM are also loaded with the same system id as defined in the `nej_list`. This will then create the scenario containing the instances the aemsC file loaded, which can be used for reporting purposes.

7.5 APC_IP to APC_ID mapping [SEAd69814]

The loading of the new aemsC DO CDL files contains APC_IP. In order to get the APC_ID displayed in the reports, the *.cfgmap files with the necessary APC_IP to APC_ID mapping must be loaded first.

If the mapping information for a particular APC_IP is not found in the cfgmap file, the APC and APC_Modem fullkeys will be formed using the APC_IP as the APC_ID.

Note: BTSDO_ID no longer requires mapping information from the *.cfgmap files.

7.6 VPU pcalcs populated by VPUpm file [SEAd69764]

The TotVPF* pcalcs at the VPU entity level may be unable to be report generated with the "No data" error message.

If this is this issue is encountered, kindly ensure the SAR file with the corresponding VPU instance and timestamp is loaded before attempting to generate reports based on these pcalcs.

7.7 Missing counters in template editor [SEAd69687]

Some pegs previously existed and visible in RP3 release may have been hidden in the RP4 release. This might be due to some counter renames. Please refer to the RP4 scope document if a previously available peg is no longer available for selection, to obtain the name of its replacement PCALC. Any existing reports that still used the old peg names will not be affected.

7.8 Missing partition types in past_part_maint.sh [SEAd69866]

The partition types MotoFaultMgmt, EnterpriseActivity and kpiArchive are no longer displayed when the past_part_maint.sh is invoked. This is an expected output as the tables attached to these partition types are no longer in use or available.

7.9 Running import/export_docs.sh in Moto RP4.1

After the RP4.1 upgrade, the default import/export scripts has been changed.

```
import_docs.sh -r -p <dirname> -f <import_file> -l <logfile>
export_docs.sh -r -p <dirname> -f <export_file> -l <logfile>
```

e.g.

```
import_docs.sh -r -p /Users/Prospect -f /tmp/import_rep.lst -l
/tmp/export_rep.log
export_docs.sh -r -p /Users/Prospect -f /tmp/export_rep.lst -l
/tmp/export_rep.log
```

Note:

Exported report before RP4 will no longer be imported in RP4 or higher release. However if there is a need to import the old report please refer to SEAd69884/valnt00044573.

Should the import/export docs needs to be performed on a different scenario (similar to the scenario mentioned above), kindly contact IBM customer support on advice on how to proceed.

7.10 Prospect Client/Server Compatibility

The Prospect client is backward compatible with older Prospect servers. If you try to use an older client with newer server, the results are undefined.

7.11 Prospect Single Client

This release features a single, uniform client for all vendor versions.

Users of the Prospect system have expressed the need to connect to all of their Prospect servers with a single client. Several customers have installed multiple Prospect servers, which cover several different vendor technologies. Two key benefits to the single client are:

- Reduced number of clients that your IT department need to install
- Reduced confusion among users over which Prospect client should be used with which Prospect server.

The single Prospect client supports Prospect servers co-released with the client and a defined number of server versions released before the client. Prospect (core) servers released after the client are not supported (that is, the Prospect client is not forward-compatible). Contact your IBM customer support representative to identify the server versions that your client supports.

This feature removes support for two or more Prospect clients installed on the same PC. Side-by-side installations were originally supported because the Prospect client was not backward compatible with older versions of the server. Full support for backward compatibility removes the need for side-by-side support.

7.12 Ports Used by the Prospect Client

The Prospect client uses two ports to connect to the Prospect server:

- **FX port** — Most queries from the Prospect client, status monitor, Auto Downloader, and DSMonitor (DSMonitor is a process that registers for updates from the DataServer) use this port. By default the FX port number is the base port plus four (4). For example, if the base port is 6440, the FX port would be 6444.
- **Event port** — DSMonitor and Prospect Alarm use this port. By default the Event port number is the base port plus three (3). For example, if the base port is 6440, the Event port would be 6443.

If you have closed the ports required by the Prospect client for security reasons, or if you are using these ports for other services, you need to either re-open or re-assign them to the Prospect FX and Event ports. Otherwise, the ability for the Prospect client to be able to communicate with the Prospect server is compromised.

To determine which port numbers are required for your system, log on as `flexpm` and run the following commands:

```
[flexpm]$ echo $FX_DS_PORT
```

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```
[flexpm]$ echo $EVENT_PORT
```

7.13 Use of `add_filetype_timeout.sh` is not recommended

Using the `add_filetype_timeout.sh` script is not recommended, as the user will wait a considerable amount of time. This is caused by the time taken for the script to clean the schedule table during the middleware start up.

The `add_filetype_timeout.sh` script is not recommended to be used for checking the data file if it does not arrive as expected. If used, user will have to wait for a substantial long period of time as the `add_filetype_timeout.sh` script increases the time to clean up the schedule table when the middleware is started up.

7.14 Solaris 10 Zones not supported

Prospect 8.0.5 does not support Solaris 10 zones.

8 Customer Support

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

9 Manifest

The manifest of files contained within this release is in the root directory on the CD. It is called manifest.txt.

Appendix A

Daylight Saving Time Support (DST)

The U.S. government is changing the way Daylight Saving Time (DST) will be calculated in the United States starting in the spring of 2007. To ensure correct support of these changes we strongly recommend all Prospect installations upgrade their 3rd party software as noted below.

Oracle 9i

All Oracle 9i installations should apply the following Oracle patch which may be obtained through Oracle support:

Version 9.2.0.6 - P5548107_92060_GENERIC.zip

Version 9.2.0.8 - P5548107_92080_GENERIC.zip

Solaris

All Solaris OS installations versions 9 and 10 should apply the following patches which may be obtained through SUN Solaris support:

Solaris 9 – 113225-03 or later and 112874-33 or later

Solaris 10 – 122032-01 or later and 119689-07 or later

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