



Release Notes

IBM Prospect® 8.0.7 Release Notes

Note:

Before using this information and the product it supports, read the information in [Notices and Trademarks](#) in this document.

This edition applies to **IBM Prospect® 8.0.7** and to all subsequent releases and modifications until otherwise indicated in new editions.

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About this Documentation

Table 1 below details the information provided by the *IBM Prospect® Version 8.0.7 Release Notes*.

Table 1 – About this Documentation

<i>Chapter</i>	<i>Description</i>
About this Documentation	An overview of the IBM Prospect® Version 8.0.7 documentation, which gives details of the intended audience and the structure of the guides.
Release Details and Overview	Information on new features & enhancements included in the release.
Media Content	Details of media provided for the release.
Software Requirements & Installation	Details on the Software required and the guides to be followed during the installation of the product for the release.
Known Issues	Details on known issues included in the release and workarounds, if available.
Documentation Addendums	Detail any customer documentation addendums which need to be highlighted for this release.

1.1 Audience

The target audience of this guide is:

- Clients installing this release of IBM Prospect®.
 - Clients requiring information on new functionality in this release.
-

IMPORTANT:

Before attempting an installation of IBM Prospect® 8.0.7, you are strongly advised to read these release notes. Failure to consult these release notes may result in a corrupt, incomplete or failed installation.

These release notes refer to IBM Prospect® 8.0.7 only. If you are upgrading IBM Prospect® for Motorola CDMA/EVDO, please refer to the separate release notes which will be shipped with that product.

1.2 Required Skills and Knowledge

This guide assumes you are familiar with the following:

- Sun Solaris 10 Operating System
- Oracle 10g Database

This guide also assumes that you are familiar with your company's network and with procedures for configuring, monitoring, and solving problems on your network.

1.3 Document Conventions

The following command prompts can be seen throughout this document where the user has to enter commands at the command line:

- # (hash): This prompt will be displayed if the user is logged in as user root.
- \$ (dollar): This prompt will be displayed if the user is logged in as either the flexpm or oracle user.

Please note the above prompts are not part of commands. All commands must be entered after these prompts.

This document uses the typographical conventions shown in the following table:

Table 2 – General Document Conventions

<i>Format</i>	<i>Examples</i>	<i>Description</i>
ALL UPPERCASE	GPS NULL MYWEBSERVER	Acronyms, device names, logical operators, registry keys, and some data structures.
Link	See www.sun.com	For links within a document or to the Internet.
Bold	Note: The busy hour determiner is...	Heading text for Notes, Tips, and Warnings.
SMALL CAPS	The STORED SQL dialog box... ...click VIEW... In the main GUI window, select the FILE menu, point to NEW, and then select TRAFFIC TEMPLATE.	Any text that appears on the GUI.
<i>Italic</i>	<i>A busy hour is...</i> <i>A web server must be installed...</i> <i>See the User Guide</i>	New terms, emphasis, and book titles.
Monospace	<code>./wminstall</code> <code>\$ cd /cdrom/cdrom0</code> <code>/xml/dict</code> <code>addmsc.sh</code> <code>core.spec</code> Type OK to continue.	Code text, command line text, paths, scripts, and file names. Text written in the body of a paragraph that the user is expected to enter.

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<i>Format</i>	<i>Examples</i>	<i>Description</i>
Monospace Bold	<code>[root] # pkginfo grep -i perl</code> system Perl5 On-Line Manual Pages system Perl 5.005_03 (POD Documentation) system Perl 5.005_03	For contrast in a code example to show lines the user is expected to enter.
<i><Monospace italics></i>	<code># cd <oracle_setup></code>	Used in code examples: command-line variables that you replace with a real name or value. These are always marked with arrow brackets.
[square bracket]	<code>log-archiver.sh [-i][-w][-t]</code>	Used in code examples: indicates options.

1.4 User Publications

The following user publications are provided with the IBM Prospect® Version 8.0.7 software in Adobe® PDF format.

Table 3 – IBM Prospect® 8.0.7 User Publications

<i>Document</i>	<i>Description</i>
<i>serverprep-807.pdf</i>	Server Preparation Guide
<i>ig_nonluc_wminstall.pdf</i>	Installation Guide
<i>ag_nonluc-print.pdf</i>	Administration Guide
<i>UsersGuide.pdf</i>	User Guide
<i>Expressions.pdf</i>	Expressions Technical Reference
<i>SizingTool.pdf</i>	Server Sizing Tool
<i>OpenInterface.pdf</i>	Open Interface API
<i>ConnectionManager.pdf</i>	Classic Client Connection Manager Guide

1.4.1 Accessing Publications Online

You can view the IBM Prospect® documentation on the Web by accessing the IBM Tivoli Network Management Information Center at:

<http://publib.boulder.ibm.com/infocenter/tivihelp/v8r1/index.jsp>

To view the books for IBM Prospect®, click on the IBM Tivoli Netcool Performance Management for Wireless Products documentation folder.

1.5 Release Details and Overview

IBM Prospect® Version 8.0.7 contains the following features, enhancements and resolved issues as outlined below:

Table 4 – Release Details – Features

Feature Name	Feature Description
SV-03: Password Encryption	Oracle plaintext passwords are no longer visible in the system.
IF-01, IF-04: Busy Hour & Soft Alarm Import	Allows for import and Export of Busy Hour and Soft Alarm Configuration Data.
SV-01: Action Logging Framework	Provides a mechanism for logging user actions in core and Prospect Web.
SV-05: Password Modification Script	A unified method of changing the Prospect password.
IS-03: Oracle Autoextend	Update the Oracle Database creation scripts to use new Oracle functionality.
FN-02 Soft Alarm ID Range	Provides an additional field for Alarm ID in soft alarm definition and allows this to be configured to be validated within a defined range.
Traffic Table Redefinition	Swaps primary key in traffic tables to improve loader performance.

Table 5 – Release Details – Resolved Issues

Issue Tracking Number	Resolved Issue
MR0617092831	SAEXT Pad LAC/CID values to 5 digits with leading zeros.
valnt00052618 / IZ30967	PK_SWAP. THE GLOBAL UPDATE PORTION OF BH_UPDATE TAKES TOO LONG ON LARGE SERVERS. THIS MAKES THE JOB USELESS TO USERS
valnt00052635 / IZ31190	CUSTOMER UNABLE TO DELETE USER FROM THE PROSPECT WINDOWS CLIENT
valnt00071553 / IZ39078	PROSPECT CLIENT ERROR "OUT OF STRING"
valnt00073703 / IZ40085	RUNNING A NON-STORED DATA BUSY HOUR REPORT WITH A RELATIVE TIME SCOPE OF "WEEK".
valnt00077159	Improve classic report generation performance
valnt00078627 / IZ43835	DAILY SUMMATIONS FAIL WHEN THE LASTAVAIL TIME STAMP MM:SS IS OTHER THAN THE EXPECTED 00:00.
valnt00080966 / IZ45463	ALL SOFT ALARM PROCESSING JOBS FAIL AFTER ORA-08103
valnt00080969 / IZ45599	SUMMARY JOB TAKES LONG TIME TO COMPLETE ON UMTS SERVER.
valnt00080972 / IZ45459	NO ERRORS WHEN THE MIDDLEWARE IS STARTED WITHOUT THE LISTENER.

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Issue Tracking Number	Resolved Issue
valnt00081587 / IZ46982	WHEN DOWNLOADING REPORTS, THE CLIENT WILL CREATE AN EXCEL .TMP FILE, BUT NOT THE FINAL .XLS FILE.
valnt00081708 / IZ47231	USERS REPORT PROBLEMS WITH DOWNLOADING REPORTS AFTE THEY UPGRADE PC'S TO OFFICE 2007
valnt00081711 / IZ47230	AFTER CORE 8.0.6 UPGRADE, REPORTS ARE FAILING BECAUSE OF RSDATASERVERS CORE DUMPING
valnt00083869 / IZ48552	THE LOADER LOG SHOWS ORA- ERROR IF THERE ARE A LARGE # OF MAPPING ERRORS.
valnt00084016 / IZ48652	SUMMARY JOB STARTED FAILING AFTER UPGRADE.
valnt00087359 / IZ50881	DATA FOR SOME INTERVALS IS REMEDIATED INCORRECTLY.
valnt00087363 / IZ50816	DEADLOCKS IN ORACLE ALERT LOG CAUSED BY PROSPECT
valnt00088955 / IZ52420	CORE 8.0.6.2 UPGRADE DID NOT COMPLETE SUCCESSFULLY
valnt00089367	New columns missing from traffic views after dict_update
valnt00089597 / IZ53006	TERMINATED REPORTS (REPORT RUN TIME TIMED OUT) LEAVES ORPHANED DB SESSIONS WHICH CONFLICT.
valnt00089926 / IZ53521	DATA LOADING ON GGU SERVER WAS SLOW.
valnt00089929 / IZ53523	AFTER CORE 8.0.6.2 UPGRADE, REPORTS FAILING BECAUSE OF MISSING TABLES
valnt00090116 / IZ53790	AFTER CORE 8.0.6.2 INSTALLATION, VERY LARGE INCREASE IN TABLESPACE JUMBO, LARGE AND MEDIUM.
valnt00090873 / IZ54532	FX DATASERVER CRASHED ON GGU SERVER
valnt00091280 / IZ54970	SYSTEM UPGRADE FAILED. UPGRADE KEPT RUNNING.
valnt00089682 / IZ53256	MIDDLEWARE DIDN'T SHUT DOWN WITH CORE 8.0.6 UPGRADE. UPGRADECONTINUED TO CLEAN OUT PM/BIN AND PM/LIB DIRECTORIES.
valnt00092652 / IZ56674	FOLLOWING THE PK SWAP CHANGE INTRODUCED IN PROSPECT CORE PATCH 8.0.6.3, PM_DAILY MOVE AND ANALYZE CHANGES ARE NEEDED
valnt00093826 / IZ59321	SUMMATION JOB WILL NOT COMPLETE AFTER CORE PATCH 8.0.6.3
valnt00093835 / IZ59357	EXTERNAL SOFT ALARM PROCESSING SLOW AFTER CORE 8.0.6.3 PATCH

2 Media Content

IBM Prospect® Version 8.0.7 is composed of the following media:

1. IBM Prospect® Core 8.0.7 Upgrade Installation Server CD.
2. IBM Prospect® Classic Client 8.0.7 Fresh Installation and Upgrade.

3 Software Requirements & Installation

3.1 Software Requirements

To view the software products required to install the IBM Prospect® Version 8.0.7 system refer to the *Server Preparation Guide* and *Installation Guide*, which are included on the Documentation CD-ROM or online as appropriate.

3.1.1 Supported Platforms

- Sun Solaris 9, 10 (Local Zone), 10 (Global Zone)
- Java SDK 1.5.0_17
- Oracle 10g 64-bit 10.2.0.4
- SunONE LDAP Directory Server 6.3
- Perl Version v5.6.1
- Windows OS: XP, Vista
- Browser: Internet Explorer 6.0, 7.0
- Macromedia Flash Player Version 7.0 or greater
- MS Office Excel (2003,2007)

3.2 Upgrade Instructions

3.2.1 Prerequisites

- IBM Prospect®8.0.6 or later¹
- Java SDK 1.5.0_17
- Oracle 10g 10.2.0.4

¹ These upgrade instructions refer to IBM Prospect® only. If you are upgrading IBM Prospect® for Motorola CDMA/EVDO, please refer to the separate release notes which will be shipped with that product.

3.2.2 System Backup

IBM Prospect® 8.0.7 upgrade cannot be uninstalled. Back up the Prospect system, including the Oracle schema, before upgrading.

3.2.3 Installation Privileges Required

Privilege	Required
Oracle flexpm user DBA role	No
Root privilege required	No
Oracle sys user password set to default (change_on_install)	No
UNIX flexpm account is part of dba group	Yes

3.2.4 Upgrade Procedure

The core is installed via the `wminstall` command, which is run from the installation CD.

Once you have installed the IBM Prospect® 8.0.7 core, install the IBM Prospect® 8.0.7 client. The installation of the IBM Prospect® 8.0.7 client is unchanged - see the *Installation Guide* for details.

Note: By default, during a product upgrade, `wminstall` performs the `ps-mgr stop all` command, which allows all currently running reports, maintenance jobs, loader jobs to complete before shutting down. To shorten the amount of time that the IBM Prospect® server is down for an upgrade, you can specify for `wminstall` to perform the `ps-mgr halt` command instead, which forces the middleware to shut down immediately, and causes any currently-running reports, maintenance jobs, and loader jobs to fail. In this case, the user is responsible for ensuring the correct termination of processes and the release of shared resources.

To request that only a “halt” is performed, move the `spec.xml` file to a local directory and change the following statement in the `spec.xml` file, which is currently set to “stop all”:

`<PRE_INSTALL language="java">middleware_down_up -e</PRE_INSTALL>`
to the following:

`<PRE_INSTALL language="java">middleware_down_up -h</PRE_INSTALL>`
In either case, the upgrade process automatically restarts the product.

3.2.5 Pre Upgrade installation Steps

3.2.5.1 Grant required oracle Privileges to \$DBUSER

1. Log on as user flexpm
2. Note the \$DBUSER value

```
[flexpm] $ echo $DBUSER
```

3. Using the system administrator password, connect to sqlplus as the sysdba user

```
[flexpm] $ sqlplus sys/ <<sys_admin_password>> as sysdba
```

4. Grant the relevant privileges to the \$DBUSER from step 2

```
[flexpm] sql> grant create materialized view to <<DBUSER>>;  
[flexpm] sql> exit
```

3.2.5.2 Disable server access in IBM Prospect® Web

If the IBM Prospect® Instance is accessed via IBM Prospect® Web, disable access to its remote datasource in IBM Prospect® Web using the IBM Prospect® Web Admin Tool.

3.2.5.3 Stop any Database Activity to Enable Upgrade

The upgrade may abort due to database activity, i.e., open Oracle sessions other than the upgrade session. This is normal intended behaviour and will leave the system in a consistent pre-upgrade state. Partition Maintenance jobs will give rise to this. Appendix A describes how to deal with Database Activity prior to an upgrade.

3.2.6 Upgrade Installation Steps

1. Log on as user flexpm
2. Source the Prospect Environment to be upgraded.

If the server is running multiple Prospect schemas or the profile for the Prospect instance to be upgraded is not configured to be executed on log in as the flexpm user, then the profile must be sourced before applying this upgrade. Go to the correct directory where the Prospect instance to be upgraded is installed and source the environment.

For example, if Prospect is installed in /u01/apps/WatchMark/FlexPM/ProspectBase

```
[flexpm] $ cd /u01/apps/WatchMark/FlexPM/ProspectBase
[flexpm] $ . ./profile
```

Alternately, if a menu system is in place to allow selection of the Prospect system to be upgraded from a list of installed Prospect applications, then select the appropriate option to source the environment.

3. Go to the CD drive that contains Prospect 8.0.7.0. If the CD drive is mounted on /cdrom/cdrom0, then go to /cdrom/cdrom0 directory:

```
[flexpm] $ cd /cdrom/cdrom0
```

4. Run the upgrade command

```
[flexpm] $ ./wminstall
```

Note: It is strongly recommended to run the previous command with the `-preview` option before performing installation to identify potential problems.

```
[flexpm] $ ./wminstall -preview
```

Note: When upgrading the core, the installation will use the spec.xml file in the same directory as wminstall. Specify the option `-spec spec.xml` if you changed it (for example to halt only Prospect server before performing installation)

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

Note: It is also possible to fully automate the upgrade using nohup and the `-r <responseFile.txt>` option for `wminstall`.

a. Read the license agreement file, `./license.txt` which is located in the `/cdrom/cdrom0` directory. Make sure you understand the terms and conditions of the Prospect license.

b. Copy the response file, `./responseFile.txt` from the `/cdrom/cdrom0` directory. Open the copy for editing and find the entry:

```
LICENSE_ACCEPTANCE = false
```

c. Change the entry to the following to indicate that you agree to the terms and conditions of the Prospect license:

```
LICENSE_ACCEPTANCE = true
```

d. Run the installation by entering the following commands:

```
[flexpm] $ nohup ./wminstall -r <responseFile.txt> </dev/null &
```

Include the full path to the copy of the `responseFile.txt` you made in step b above.

The output will look like:

```
Sending output to nohup.out
```

The on-screen output of the `wminstall` command will be directed to `$HOME/nohup.out`. The usual install log will also be generated in the `/var/tmp` directory.

e. At this point `wminstall` is running via `nohup`. It is now safe to exit the console if you wish to. Type `exit` twice to quit from the console:

```
[flexpm] $ exit
You have running jobs.
[flexpm] $ exit
```

5. After `wminstall` has completed, please examine the `detail.log` under the directory of `$FLEXPM_HOME/audit/<YYYY>_<MM>_<DD>_<HH>_<MM>_<SS>_<PID>` for any error messages.

6. Install Classic Client

The classic client installation has not been modified. Refer to Installation Guide for reference.

3.2.7 Post-Upgrade Installation Instructions

3.2.7.1 Re-source the Profile

Log out and log back in as user `flexpm` and follow the steps in section 3.2.6 Step 2 to re-source the environment.

3.2.7.2 Verify That the Middleware is Running

Verify that the middleware started:

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

3.2.7.3 Enable server access in Prospect Web

If you disabled access to the Prospect server from Prospect Web, then use the admin tool to re-enable access to the corresponding data source in Prospect Web.

3.2.8 Un-installation Procedure

This release 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 release. You must perform a full system backup before installing this patch. 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.

4 Known Issues

The known issues for IBM Prospect® Version 8.0.7 are as follows:

Table 6 – Known Issues

Issue Tracking Number	Details
valnt00094198	<p>Issue: createinstance.sh script will not create system level entity.</p> <p>Description: The createinstance.sh script throws an error when trying to create a system level entity.</p> <p>Expected Result: The createinstance.sh script should be able to create an instance at any level provided the parent entity exists. At system level there is no parent level entity hence this check should not be performed.</p> <p>Actual Result: The check for a parent instance is being performed at system level, hence the script is failing.</p> <p>Workaround: None</p>
valnt00095169	<p>Issue: Analyze Job creating invalid statistics.</p> <p>Description: The Analyze job was not generating statistics for tables that it should have been. This may cause degradation in report performance with respect to Prospect 8.0.6.</p> <p>Expected Result: All Non-partition tables should have statistics generated apart from a select few.</p> <p>Actual Result: Only a limited number of Non-partition tables got statistics generated.</p> <p>Workaround: Contact Level 2 Support for update to Analyze Script which will gather all required statistics.</p>

5 IBM Support

5.1 Contacting IBM Support

Please use the IBM Tivoli Support website:

<http://www-306.ibm.com/software/sysmgmt/products/support/assistance.html>

6 Documentation Addendums

Table 7 – Documentation Addendums

Number	Documentation deliverable updates or corrections

Appendix A. Stopping Database Activity to Enable Upgrade

The upgrade asserts that there are no other active Oracle sessions for the instance being upgraded. Scenarios that may give rise to this include the following,

- Partition Maintenance
- Dataloading (e.g., backloading) in a multi instance setup on the same database host

This appendix describes how to deal with each of these scenarios.

Partition Maintenance

Partition maintenance jobs may cause the upgrade to abort, this is normal. Upgrade may be postponed until partition maintenance is completed or partition maintenance may be stopped and prevented from restarting using the following procedure.

Note: This procedure may also stop partition maintenance session on other instances on a multi instance installation.

1. Log on as user flexpm
2. Using the system administrator password, connect to sqlplus as the sysdba user

```
[flexpm] $ sqlplus sys/<SYSPASSWD> as sysdba
```

3. Run the following SQL,

```
-- Kill off part_maint jobs before upgrade
DECLARE
BEGIN
  FOR indx1 IN (SELECT job
                FROM user_jobs
                WHERE what LIKE '%part_maint.part_session%') LOOP
    dbms_job.remove(indx1.job);
  END LOOP;
  COMMIT;
END;
/

-- Remove any part_maint sessions that may still be running for partition maintenance.
DECLARE lv_session_info VARCHAR2(100);
lv_sqlstr VARCHAR2(300);
BEGIN
  FOR indx1 IN (SELECT sid,
                      serial#
                FROM v$session
```

```

WHERE module LIKE 'Part%') LOOP
BEGIN
lv_session_info := '' || indxl.sid || ',' || indxl.serial# || '';
lv_sqlstr       := 'ALTER SYSTEM KILL SESSION ' || lv_session_info ||
                   ' IMMEDIATE';
EXECUTE IMMEDIATE lv_sqlstr;
EXCEPTION
WHEN OTHERS THEN
NULL;
END;
END LOOP;
COMMIT;
END;
/

```

Dataloading on Multi Instance Installation

If there is extensive data loading ongoing in another instance that shares the same database host as the upgrade target instance it is possible that there will be Row exclusive table locks that will cause the upgrade to abort. This is normal behaviour for the upgrade process. The upgrade may be postponed until the data loading has completed or data loading may be suspended in the instances until the upgrade has completed.

To suspend data loading in other instances use the following procedure:

1. Log on as user flexpm
2. Suspend the sentry
[flexpm] \$ ps-mgr suspend sn
3. Run ps-mgr watch and wait for all loaders to finish
[flexpm] \$ ps-mgr watch
4. Proceed with the upgrade.
5. Resume data loading by resuming the sentry
[flexpm] \$ ps-mgr resume sn

Appendix B. Notices and Trademarks

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