

Release Notes

Prospect® 8.0

Nortel GGU 4.0.15.1.0 (RP15.1)



DOCUMENT CONTROL

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1 Description

This document provides information on the Prospect® 8.0 for Nortel GSM/GPRS/UMTS RP15.1 (4.0.15.1.0). This release adds support for the following:

- Technology Counters Patch - NSS 18
- PerRNC Counters - NSS 19 and 20
- MG20.2 Correction Counters
- Ethernet Statistics Patch - MG20

The Prospect Base version certified against this release is 8.0.6.0 with core fix pack 8.0.6.3 or any later version.

The client version certified against this release is 8.0.6.

The operating system version certified against this release is Solaris 10.

The Oracle Database version certified against this release is Oracle 10g – 10.2.0.4 64-bit.

The following publication is included with this release:

Publication	File Name	Revision Date
Prospect Performance Data Reference	PerfDataRef.pdf PerfDataRef.uue	10 July 2009

2 Supported Platforms

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

Prospect Component	Version Supported
Prospect Server	8.0.6.3
Prospect Client	8.0.6
Prospect Web	2.2.6
Oracle	10g (10.2.0.3 64-bit)
Solaris	10
DAT	7.1
Perl	5.6.1
Java	1.5.0_13

The vendor software releases supported are:

Already Supported Vendor Software
Nortel Passport 15000 Wireless Gateway / UMTS SGSN / Aggregation Node UMTS03 3.0
Nortel Media Gateway (MGW) MGW17, MGW18, W-NMS 5.0.1/NSS 19
Nortel Passport 15000 GPRS SGSN GPRS 2.1, 3.0, 4.0, 5.0, 6.0, PC04
Nortel Shasta GGSN UMTS03 3.0, 3.2.1, 4.0, 4.1
Nortel SS7/IP Gateway – GPRS R2.1, R3.0, R4.0, UMTS03, GPRS6.0/UMTS4.0
Nortel RNC UMTS03 UA3.1, UA3.2 and UA4.0
Nortel Node B UMTS03 UA3.1, UA3.2 and UA4.0
Nortel MSC GSM13, GSM15, GSM/NSS17 (includes NSS16), GSM/NSS18, W-NMS 5.0.1/NSS 19
Nortel HLR GSM13, GSM15, GSM/NSS17 (includes NSS16), GSM/NSS18
Nortel USP 7.0, 8.1, 10.0, 12.0
Nortel SLR NSS17
Nortel Data Server NSS17
Nortel GSM/GPRS/EDGE BSS – 12.04, 12.04B, 12.04C, 12.04D, 13.02B, 14.3, 15.0, 15.1, 16.0 based on OMC-R v16.0, 17.0 based on OMC-R v17.0
Nortel GPRS/EDGE PCUSN – 12.04, 12.04B, 12.04C, 12.04D, 13.02B, 14.3, 15.0, 15.1, 16.0 based on OMC-R v16.0, 17.0 based on OMC-R v17.0

3 New Features

3.1 Technology Counters Patch - NSS18

The following counters are added to the MSC entity.

Counter Group	Counter Name
MSCCPG	GMMATT
MSCCPG	GMMSUCC
MSCCPG	GMLBID
MSCCPG	GMLSUCC
MSCCPG	GLMATT
MSCCPG	GLMSUCC
MSCCPG	GCFBUDB
MSCCPG	GCFNRR
MSCCPG	GCWALNA
MSCCPG	TCATTG
MSCCPG	TCSUCCG
MSCCPG	TCSUCCRTG
MSCCPU	UMMATT
MSCCPU	UMMSUCC
MSCCPU	UMLBID
MSCCPU	UMLSUCC
MSCCPU	ULMATT
MSCCPU	ULMSUCC
MSCCPU	UCFBUDB
MSCCPU	UCFNRR
MSCCPU	UCWALNA
MSCCPU	TCATTU
MSCCPU	TCSUCCU
MSCCPU	TCSUCCRTU
MSCCP4	LMATT
MSCCP4	MMATT
MSCCP4	CFBNDUB
MSCCP4	CFNRCPTO
MSCCP4	CFNRCVLR

3.2 PerRNC Counters - NSS19 and NSS20

The following counter is added the to RNC_MSC entity.

Counter Group	Counter Name
----------------------	---------------------

Counter Group	Counter Name
PERRNC	TRU

3.3 MG20.2 Correction Counters

The following counters are added to the NSTA_MGW entity.

Counter Group	Counter Name
IwfCallStats	faxCallsAttempted
IwfCallStats	faxInsufficientResources
IwfCallStats	faxOtherTypeFailures
IwfCallStats	faxUnsupportedPropertyFailures
IwfCallStats	modemCallsAttempted
IwfCallStats	modemInsufficientResources
IwfCallStats	modemOtherTypeFailures
IwfCallStats	modemUnsupPropertyFailures
IwfCallStats	peakFaxCalls
IwfCallStats	peakModemCalls
IwfCallStats	peakUdiCalls
IwfCallStats	udiCallsAttempted
IwfCallStats	udiInsufficientResources
IwfCallStats	udiOtherTypeFailures
IwfCallStats	udiUnsupportedPropertyFailures

3.4 Ethernet Statistics Patch - MG20

The following entities and counters are added.

Entity Name	Counter Group	Counter Source	Counter Name
EmissionPrio_MGW	EmissionPriority	VS.txBytesDp0	Eth_txBytesDp0
EmissionPrio_MGW	EmissionPriority	VS.txBytesDp1	Eth_txBytesDp1
EmissionPrio_MGW	EmissionPriority	VS.txBytesDp2	Eth_txBytesDp2
EmissionPrio_MGW	EmissionPriority	VS.txBytesDp3	Eth_txBytesDp3
EmissionPrio_MGW	EmissionPriority	VS.txFramesDiscDp0	Eth_txFramesDiscDp0
EmissionPrio_MGW	EmissionPriority	VS.txFramesDiscDp1	Eth_txFramesDiscDp1
EmissionPrio_MGW	EmissionPriority	VS.txFramesDiscDp2	Eth_txFramesDiscDp2
EmissionPrio_MGW	EmissionPriority	VS.txFramesDiscDp3	Eth_txFramesDiscDp3
EmissionPrio_MGW	EmissionPriority	VS.txFramesDp0	Eth_txFramesDp0
EmissionPrio_MGW	EmissionPriority	VS.txFramesDp1	Eth_txFramesDp1
EmissionPrio_MGW	EmissionPriority	VS.txFramesDp2	Eth_txFramesDp2
EmissionPrio_MGW	EmissionPriority	VS.txFramesDp3	Eth_txFramesDp3
Ethernet_MGW	Ethernet	VS.	Eth_enetSpooledAvgRxUtil

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Entity Name	Counter Group	Counter Source	Counter Name
		enetSpooledAvgRxUtil	
Ethernet_MGW	Ethernet	VS. enetSpooledAvgTxUtil	Eth_enetSpooledAvgTxUtil
Ethernet_MGW	Ethernet	VS. enetSpooledFcsErrors	Eth_enetSpooledFcsErrors
Ethernet_MGW	Ethernet	VS.enetSpooledFrames TooLong	Eth_enetSpooledFramesToo Long
Ethernet_MGW	Ethernet	VS. enetSpooledMaxRxUtil	Eth_enetSpooledMaxRxUtil
Ethernet_MGW	Ethernet	VS. enetSpooledMaxTxUtil	Eth_enetSpooledMaxTxUtil
Ethernet_MGW	Ethernet	VS. enetSpooledRxFrames	Eth_enetSpooledRxFrames
Ethernet_MGW	Ethernet	VS. enetSpooledRxOctets	Eth_enetSpooledRxOctets
Ethernet_MGW	Ethernet	VS. enetSpooledTxFrames	Eth_enetSpooledTxFrames
Ethernet_MGW	Ethernet	VS. enetSpooledTxOctets	Eth_enetSpooledTxOctets
LAG_MGW	LinkAggregation	VS.lagSpooledRxFrame Discards	Eth_lagSpooledRxFrameDisc ards
LAG_MGW	LinkAggregation	VS.lagSpooledRxFrame Errors	Eth_lagSpooledRxFrameError s
LAG_MGW	LinkAggregation	VS. lagSpooledRxFrames	Eth_lagSpooledRxFrames
LAG_MGW	LinkAggregation	VS. lagSpooledRxOctets	Eth_lagSpooledRxOctets
LAG_MGW	LinkAggregation	VS.lagSpooledTxFrame Discards	Eth_lagSpooledTxFrameDisca rds
LAG_MGW	LinkAggregation	VS.lagSpooledTxFrame Errors	Eth_lagSpooledTxFrameError s
LAG_MGW	LinkAggregation	VS. lagSpooledTxFrames	Eth_lagSpooledTxFrames
LAG_MGW	LinkAggregation	VS. lagSpooledTxOctets	Eth_lagSpooledTxOctets
LanApp_MGW	EthernetStatistics	VS.rxBytes	Eth_rxBytes
LanApp_MGW	EthernetStatistics	VS.rxDiscFrames	Eth_rxDiscFrames
LanApp_MGW	EthernetStatistics	VS.rxFrames	Eth_rxFrames
LanApp_MGW	EthernetStatistics	VS.txBytes	Eth_txBytes
LanApp_MGW	EthernetStatistics	VS.txDiscFrames	Eth_txDiscFrames
LanApp_MGW	EthernetStatistics	VS.txFrames	Eth_txFrames
LanApp_MGW	EthernetStatistics	VS.unknownVlanId	Eth_unknownVlanId

4 Known Problems

4.1 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.

4.2 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.

4.3 Execution 'Add_filetype_timeout.sh all' script throws error [SEAd68341]

Description: Running `'add_filetype_timeout.sh all '`, then changing the default time out 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 for more information.

4.4 Scenario activation time reset back to default after core upgrade [SEAd69522]

Description: The scenario activation time is reset to default run time, i.e. 01:00 daily after the core upgrade.

Impact: Scenario activation run time changed if it was set to a time other than default one.

Workaround: Run the following command to change it back to customized time:

```
$ schedule_maint scenario_activation <YYYYMMDD> <HHMI>
```

4.5 **part_mask.sh not allow to add pattern '0000000'** **[SEAd69563]**

Description: Run command part_mask.sh with pattern '0000000' would throw error 'The pattern "0000000" is invalid'. But command usage gives valid example of this pattern.

Impact: No impact.

Workaround: Don't run the command with pattern '0000000'.

4.6 **Unwanted pattern generated if part_mask.sh run with -R option** **[SEAd69660]**

Description: If part_mask.sh script is run with -R option, the previous part_mask pattern for particular table will be updated to '1000000'.

Impact: Run part_mask.sh with -R option would result unwanted pattern.

Workaround: Don't run the command with -R option.

4.7 **Some of the options in \$FLEXP_HOME/scripts/run-sentry are not functioning** **[SEAd64290]**

Description: While executing run-sentry script, some of the options may not work properly. E.g. run-sentry logs.

Impact: run-sentry does not scan through the log directory and does not return the correct results for some commands.

Workaround: None.

4.8 **Unnecessary reports generated by healthcheck script** **[valnt00045812]**

Description: The failed_data report generated by healthcheck script would return empty directory and filename if there is no data file in the fail directory.

Impact: healthcheck -c or healthcheck -c failed_data would return unnecessary reports if there is no data file in the fail directory.

Workaround: None.

4.9 **add_part.sh and delete_part.sh scripts need enhancement on usage message** **[valnt00045813]**

Description: add_part.sh and delete_part.sh scripts would throw ORA- errors if the script is run with extra "-" option. These scripts should be enhanced to print out user friendly message instead of throwing errors.

Impact: add_part.sh. and delete_part.sh scripts throw errors if the script is run with with extra "-" option.

Workaround: None.

4.10 Incremental summation issue [valnt00047620]

Description: Running `smupdate.sh -e <entity>` at start of week for Weekly Summations and start of month for Month Summations should not cause the summation to run in MIX mode.

Impact: Weekly Summations and Monthly Summations may run into incorrect mode.

Workaround: None.

4.11 Cosmetic issues in Expressions Technical Reference [valnt00050865]

Description: There are two cosmetic issues found under Expression `nullInt` and `protect` in *Expressions Technical Reference*.

Impact: None.

Workaround: None.

4.12 Server Prep needs update [valnt00051620]

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 Upgrade Instructions

The following instructions are for an upgrade of Prospect® 8.0 for NortelGGU RP15 to NortelGGU RP15.1 only.

5.1 Prerequisites

- Prospect Core 8.0.6.3 or later
- Prospect® 8.0 for NortelGGU RP15

5.1.1 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 a few hours 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.

5.1.2 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.*

5.1.3 XDK

The Oracle Database must have XDK installed. Log into the database using SQL*Plus:

```
$ sqlplus $DB_CONNECT
```

Please use the following sql statement to check if the XDK is installed accordingly. Oracle XDK for Java should be there in the result. The version must be 10.2.0.x.

```
SQL> SELECT comp_id, comp_name, version FROM dba_registry;
```

COMP_ID	COMP_NAME	VERSION
XML	Oracle XDK	10.2.0.3.0

5.1.4 Environment path

Prospect installations will no longer ship with the `gtar`, `gunzip` or `gzip` binaries. These are installed with Solaris 10.

Make sure that `/usr/bin` and `/usr/sfw/bin` are in your path. Enter the following commands to locate `gtar`, `gunzip` and `gzip`:

```
$ which gtar
```

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```
$ which gunzip
```

```
$ which gzip
```

These commands return the path to `gtar`, `gunzip` and `gzip` on your system. If these utilities are not found, add `/usr/sfw/bin` to the path in your `.profile` file.

5.1.5 Perl Version

Make sure that `/usr/perl5/5.6.1` is on your server. Type the following command to verify:

```
$ /usr/perl5/5.6.1/bin/perl -v
```

The first line of the output should show:

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

If an error is received as below, please contact system administrator to install Perl 5.6.1.

```
ksh: /usr/perl5/5.6.1/bin/perl: not found
```

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

5.1.6 Java Version

Make sure that Java version 1.5.0_13 or above is installed. Type the following command to check the java version.

```
$ java -version
```

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

```
Java(TM) 2 Runtime Environment, Standard Edition (build  
1.5.0_13-b03)
```

```
Java HotSpot(TM) Server VM (build 1.5.0_13-b03, mixed mode)
```

If either version is wrong, especially if it is earlier than required, some scripts might not run, or might produce incorrect results.

5.1.7 Checking Environment Variables

Execute the following command to verify that the environment variables LOG and OK are NOT set to anything:

```
$ echo $LOG $OK
```

```
$ <- default setting should be empty
```

If the above environment variables are set, please unset the environment variables as below:

```
$ unset LOG
```

```
$ unset OK
```

```
$ echo $LOG $OK
```

```
$ <- it should show null value
```

5.1.8 Baseline Requirements

The base environment that this release will be applied against:

Prospect® 8.0 for Nortel GSM/GPRS/UMTS 4.0.15.0.0

You can check this by running the following command as the Prospect UNIX user:

```
$ show_installed
```

The output will look something like the following. The components might be listed in a different order. The revision numbers (`rev` followed by some numbers) must be greater than or equal to those shown. The build numbers (`b` followed by a number) might be different. The install type (INSTALL, PATCH or UPGRADE) is not important. The install dates will be different.

COMPONENT	INSTALL_TY	INSTALL_DATE
CORE Prospect rev 8.0.6.0 b13	INSTALL	08-SEP-08 09:06:12
CORE Prospect rev 8.0.6.1 b3	PATCH	08-SEP-08 12:14:02
CORE Prospect rev 8.0.6.3 b1	PATCH	08-SEP-08 15:17:20
VENDOR NorGPRS_Core rev 4.0.15.0.0 b2	INSTALL	08-SEP-08 17:16:37
VENDOR NorGPRS_Radio rev 4.0.15.0.0 b2	INSTALL	08-SEP-08 15:54:01
VENDOR NorGSM rev 4.0.15.0.0 b2	INSTALL	08-SEP-08 15:50:57
VENDOR NorHLR_Univity rev 4.0.15.0.0 b2	INSTALL	08-SEP-08 16:23:23
VENDOR NorUMTS_RAN rev 4.0.15.0.0 b2	INSTALL	08-SEP-08 16:08:36

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 customer support.

5.2 Installation Privileges Required

The following privileges are required for an upgrade.

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

5.3 Pre-Installation Instructions

5.3.1 System Backup

This upgrade cannot be uninstalled. It 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. If needed, please refer to the "Backing up the Database" section of the *Prospect Administration Guide*. Please contact customer support if you require further support.

5.3.2 Note schedule_maint Settings

If the server is down for an extended period of time the script `schedule_maint` could display some jobs as not scheduled. Thus the jobs will not run and the system will fail.

Before the upgrade, run `schedule_maint` to get a list of the current schedule settings. Make a note of the next run time of each job.

5.3.3 Note Partition Maintenance Settings

During the upgrade a number of new tables are added to the Prospect system. Occasionally this can cause the script `past_part_maint.sh` to display data retention settings as "Unlimited."

Before the upgrade, run `past_part_maint.sh` to get a list of the current data retention settings.

5.3.4 Oracle Sys Account Access

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

1. Telnet to Prospect server from a remote system to verify if the change is needed. After connect to Prospect server, try to log in using `sqlplus`:

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

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

If you get an error concerning privileges, then you need to continue with the following steps.

2. 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
```

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

```
remote_login_passwordfile=EXCLUSIVE
```

4. 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
```

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

5.3.5 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 result in errors in both the upgrade and Prospect Web. Consult customer support if you have questions.

5.4 Installation Instructions

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

1. Log in as user flexpm.
2. Download and copy the TAR package to be installed on to the appropriate Prospect Server into a staging directory, for example,

```
$ mkdir -p /var/tmp/4.0.15.1-TIV-PROSPECT-NORGGU-FP0000
```

3. cd to the staging directory

```
$ cd /var/tmp/4.0.15.1-TIV-PROSPECT-NORGGU-FP0000
```

4. Untar the TAR package using the following command:

```
$ tar -xvf 4.0.15.1-TIV-PROSPECT-NORGGU-FP0000.tar
```

5. Stop the middleware if it is currently running

```
$ ps-mgr stop all
```

```
$ ps-mgr halt
```

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

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

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

8. Run the installation by typing the following commands:

```
$ ./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.

9. After wminstall is completed, please examine the detail.log under the directory of \$FLEXPM_HOME/audit/<YYYY>_<MM>_<DD>_<HH>_<MM>_<SS>_<running number> for any error messages.

5.5 Post-Installation Instructions

5.5.1 Check for invalid objects

After an upgrade finishes, it is useful to check for any invalid objects in the database. Log into the database using SQL*Plus:

```
$ sqlplus $DB_CONNECT
```

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```
SQL> select object_type, object_name from user_objects where
status='INVALID' and object_type<>'VIEW';
```

This should produce the output:

```
no rows selected
```

If the above `SELECT` statement outputs some rows, please recompile the schema. Use the correct value for `schema_name` if it differs from below:

```
SQL> execute dbms_utility.compile_schema('schema_name',FALSE);
```

If your `schema_name` is `FLEXPM`, you can use the command as below:-

```
SQL> execute dbms_utility.compile_schema('FLEXPM',FALSE);
```

5.5.2 Installed Version Verification

It is helpful to run `show_installed`, to confirm that everything is installed correctly.

The highlighted entries will be updated and shown as:

COMPONENT	INSTALL_TY	INSTALL_DATE
CORE Prospect rev 8.0.6.0 b13	INSTALL	08-SEP-08 09:06:12
CORE Prospect rev 8.0.6.1 b3	PATCH	08-SEP-08 12:14:02
CORE Prospect rev 8.0.6.3 b1	PATCH	08-SEP-08 15:17:20
VENDOR NorGPRS_Core rev 4.0.15.1.0 b3	UPGRADE	08-SEP-08 18:23:44
VENDOR NorGPRS_Radio rev 4.0.15.0.0 b2	UPGRADE	08-SEP-08 18:23:36
VENDOR NorGSM rev 4.0.15.1.0 b3	UPGRADE	08-SEP-08 18:20:07
VENDOR NorHLR_Univity rev 4.0.15.0.0 b2	UPGRADE	08-SEP-08 18:23:42
VENDOR NorUMTS_RAN rev 4.0.15.0.0 b2	UPGRADE	08-SEP-08 18:23:39

The version numbers (`rev`) should be the same as those shown. The build numbers (`b` followed by an integer) might be different from those shown. The install type (`INSTALL`, `PATCH` or `UPGRADE`) is not important. The install dates and times will be different from those shown.

5.5.3 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.

1. Log in as user `flexpm`, if you are not already logged in.
2. Start the middleware.

```
$ ps-mgr init
```

5.5.4 Check schedule settings

After the middleware has been restarted, run `schedule_maint` to check the next run time of the scheduled jobs. If any of the jobs display the next run time as "job not scheduled," then run `schedule_maint` and update the values to an appropriate future time based on the settings you recorded in Section 5.3.2.

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For example, to set the `pm_daily` job to run at 1:00 am on 1 May 2006.

```
schedule_maint pm_daily 20060501 0100
```

Note: Remember to enter a time in the future. If unsure of appropriate times then please contact customer support

5.5.5 Check partition settings

Run `past_part_maint.sh` to get a list of the current data retention settings. If any of the number displays is different that settings you recorded in Section 5.3.3, then run `past_part_maint.sh` to update the values.

For example, to have 30 days data retention for traffic table types.

```
past_part_maint.sh traffic 30
```

5.5.6 Enable Datasource in Prospect Web

If this Prospect system is associated with a Prospect Web system and you disabled the datasource in section 5.4 step 1, then use the Prospect Web Administration Tool to enable the datasource with this Prospect system.

5.6 Uninstallation 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.

6 Useful Hints

6.1 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.

6.2 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 servers released after the client are not supported (that is, the Prospect client is not forward-compatible). Contact your Vallent 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.

6.3 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:

```
$ echo $FX_DS_PORT
$ echo $EVENT_PORT
```

6.4 addNE.sh script

The addNE.sh script, which is used to add new elements, supports element names with a maximum length of 30 characters. Element names longer than this are not supported by the script.

6.5 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.

6.6 Traffic Template Description Length Limitation in Prospect Client

Field description in traffic template editor has a limitation of displaying 260 characters only. Traffic template editor will display only the first 260 characters when the actual length of field description is longer than that.

For complete field description, please refer to Prospect *Performance Data Reference* or the online help.

7 Customer Support

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

8 Manifest

Please refer to manifest.txt in the staging directory.

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