

Release Notes

Prospect Web® 2.2.5 P2 (2.2.5.2)



DOCUMENT CONTROL

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1 Description

Prospect Web ® 2.2.5 P2 is a patch release for Prospect Web. It is a cumulative release and can be applied to 2.2.5.0 release or to 2.2.5 P1 patch in order to bring a system up to the 2.2.5 P2 release point.

This patch introduces the Active Instances support, that allows to run reports only for active instances, and the report metrics enhancement, designed to allow Prospect Web to capture more details about a specific report run.

2 Resolved Issues

This release includes the following resolved issues:

<i>DDTS / SRS or APAR</i>	<i>Description</i>
SEAd69450/IZ17453	Add ability to read report parameters from remote datasource
SEAd69446/IZ17736	Prevent users from opening large report results that may cause web to run out of memory. Users can still download these results via CSV format.
SEAd69319/IZ16571	Pweb does not delete csv files from rg/spool fast enough
SEAd69318/IZ16419	Pweb report groups running longer than 24 hours disappear from status monitor
SEAd69471/IZ18568	Reports using stored summary data show null values for non focal entities
SEAd69876	Active Instances support in Prospect Web
SEAd69859	Add report KPIs to Prospect Web
SEAd69080/IZ13747	There are discrepancies in the UDCs display in Prospect Web and Classic Client
valnt00040676/IZ20826	In the Monitor tab, the Tasks and Jobs status dropdown list repeats the possible options multiple times
valnt00041510/IZ23070	If the report filter criteria contain an underscore char, the report fails with Oracle error 'ORA-00907: missing right parenthesis'
valnt00041573/IZ23944	Deadlock caused PWeb vault area to loose documents

3 Installation and Upgrade Instructions

This section describes how to install the Prospect Web patch, 2.2.5 P2. This patch can be uninstalled (see section 3.6).

3.1 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)	No

3.2 Install Procedure Syntax

```
install.sh [ -install | -uninstall | -help ]
-install   :   installs the patch
```

```
-uninstall : removes the patch and restored the previously
installed versions of any files that were updated
```

```
-help      : help
```

The scripts depend on \$DB_CONNECT, make sure you have this setup correct.

3.3 Prerequisite Instructions

This patch requires Prospect Web 2.2.5.0 or 2.2.5 P1 to be installed. You should complete the installation including starting the middleware and running the admin tool according to the installation or upgrade instructions prior installing this patch. This patch may be applied immediately after you have finished installing/upgrading the system via the admin tool.

3.4 Pre-Installation Instructions

1. Login as flexpm and source the profile from FLEXP_HOME directory.
\$. ./profile
2. Copy 2.2.5-PROSPECTWEB-IF0002.tar.gz into this directory.
3. Uncompress the file.
\$ gunzip 2.2.5-PROSPECTWEB-IF0002.tar.gz

4. Untar the package. It will create a subdirectory (patches/PWeb2.2.5_P2) in \$FLEXPM_HOME and untar the files in to this directory. You must use gtar to successfully untar this file.

```
$ gtar -xvpf 2.2.5-PROSPECTWEB-IF0002.tar
```
5. Install the Patch by following the instructions in Section 3.5 below.

3.5 Installation Instructions

Important! If there are no errors from the Pre-Installation section, then continue with the following steps:

1. Login as flexpm and source the profile from FLEXPM_HOME directory.

```
$ . ./profile
```
2. Go to the Patch directory.

```
$ cd $FLEXPM_HOME/patches/PWeb2.2.5_P2
```
3. Install the Patch.

```
$ install.sh -install 2>&1| tee install.log
```

Note: the patch installation program will automatically stop the middleware, install the patch files, and restart the middleware.

3.6 Uninstall Procedure

1. Log in as flexpm and source the profile from the FLEXPM_HOME directory.

```
$ . ./profile
```
2. Go to \$FLEXPM_HOME/patches/PWeb2.2.5_P2 directory.

```
$ cd $FLEXPM_HOME/patches/PWeb2.2.5_P2
```
3. Remove the patch.

```
$ install.sh -uninstall 2>&1| tee uninstall.log
```

Note: the patch un-installation program will automatically stop the middleware, uninstall the patch files, and restart the middleware.

4 New Features

4.1 Report Configuration support

SEAd69450/IZ17453 adds support to read report configuration from the remote database prior to running the report. If this configuration is set on the remote datasource it will override the default report configuration parameters in .profile.custom. Updating this configuration does NOT require a middleware bounce of either the remote Prospect system or the Prospect Web system. The new settings will take effect at the start of the next report run. See Section (4.1.2) for example sql for configuring these values.

4.1.1 Parameter Definitions

The following parameters are now supported on the remote server:

4.1.1.1 PWebWorkAreaSizePolicy

Value: manual or auto

Default: manual

If value is auto then settings for hashAreaSize, sortAreaSize and SortAreaRetainedSize will be disabled. This setting has no effect on DBFileMultiBlockReadCount or ParallelDegree. Any value other than auto will be interpreted as manual.

4.1.1.2 PWebDBFileMultiBlockReadCount

Value: integer

Default: 64

Value of 0 will disable this parameter and rely on oracle's internal setting. Any other value will be passed to oracle unchecked.

4.1.1.3 PWebHashAreaSize

Value: size in bytes

Default: 629145600 (600MB)

Value of 0 will disable this parameter and rely on oracle's internal setting. Value between 1 byte and 10MB will be increased to 10MB

4.1.1.4 PWebSortAreaSize

Value: size in bytes

Default: 629145600 (600MB)

Value of 0 will disable this parameter and sortAreaRetainedSize. Value between 1 byte and 10MB will be increased to 10MB.

4.1.1.5 PWebSortAreaRetainedSize

Value: size in bytes

Default: 524288000 (500MB)

Value of 0 will result in size approximately 80% of sortAreaSize. If value is < 10MB it will be increased to 10MB. If value is greater than sortAreaSize, value will be reset to 80% of sortAreaSize.

4.1.1.6 PWebParallelDegree

Value: Integer

Default: 2

Value of 1 will disable the hint. Value ≥ 2 will be passed to the hint unchecked. Controls parallel hint in web queries

4.1.2 Sample SQL to configure on remote server

Below is sample sql to configure the sort area size and hash area size parameters on the remote Prospect database. The values used are strictly examples and may not be optimal for your configuration.

1. To add a new value

```
insert into wm_system_values_v(name, value)
values('PWebSortAreaSize', '671088640');
insert into wm_system_values_v(name, value)
values('PWebHashAreaSize', '671088640');
commit;
```

2. To update an existing value

```
update wm_system_values_v set value = '536870912'
where name = 'PWebSortAreaSize';
commit;
```

3. To remove an existing value

```
delete from wm_system_values_v
where name = 'PWebHashAreaSize';
commit;
```

4.2 Active Instances support

SEAd69876 introduces the active instances feature. Starting from this patch you can define a further filter “Only Active Instances” in report definition, which filters out all inactive instances during report generation.

Using this option should result in faster report run times if there are many inactive instances on the remote prospect server.

4.3 New Report Metrics support

With the feature added by SEAd69859, the middleware will collect the report metrics and database statistics during the report run and save them after completing the report. The report metrics and database statistics will not have an effect on whether or not the report was successful or not. If for some reason the statistics are unable to be saved in the database the report will continue as if nothing happened.

The queue, memory and other statistics will be gathered on a per 30 minute basis at just past the top and bottom of the hour.

The following scripts, in \$FLEXP_HOME/pm/pas/bin/perf, report on various aspects of the data collected by this feature. Each script can be redirected into a file and that file is CSV compatible and can be opened by Excel or a similar tool.

For example you could run: `memory.sh 2 > memory.csv`

4.3.1 memory.sh

Show the memory usages of the jboss server.

Usage: `./memory.sh [NumberOfDays]`

If the number of days is ≤ 2 then the report will show memory usage on a half hourly basis.

If the number of days is > 2 the report will show aggregated usages on a daily basis.

4.3.2 **queue.sh**

Displays the queue length by time, dataserver and job type. The order displayed is by datasource, job type and then time.

Usage: `./queue.sh [NumberOfDays]`

If the number of days is ≤ 2 , the report shows half hour, datasource, job type. Sorting is by datasource, job type and then time.

If the number of days is > 2 , the report displays by day, datasource, and job type.

4.3.3 **queueTimeBucket.sh**

Displays number of reports per queue time interval.

Usage: `./queueTimeBucket.sh [NumberOfDays]`

4.3.4 **reportDBStats.sh**

Displays the database statistics for a specific task. If the report has been run more than once in the last 7 days, the other runs will be averaged together for comparison. If this is the only run of the report the average stat value column will be null. The task id can be obtained from the reportsForDay or top10Runtime reports.

Usage: `./reportDBStats.sh [task id]`

4.3.5 **reportDetail.sh**

Displays details about a specific report task. This report works best as a CSV file imported into excel.

Usage: `./reportDetail.sh [task id]`

For queue time, run time, tables used and columns used, they are compared with the average from other runs of the same report that have occurred in the last 7 days. Other run count documents how many reports went into the average calculation.

4.3.6 reportsByDS.sh

Shows the number of reports completed by datasource and day.

Usage: `./reportsByDS.sh [NumberOfDaysBack]`

Note: the datasource name is only displayed once regardless of how many days are shown.

4.3.7 reportsByDS_User.sh

Shows the number of reports completed by datasource, user and day.

Usage: `./reportsByDS_User.sh [NumberOfDays]`

Note: the datasource name is only displayed once regardless of how many days/users are shown.

4.3.8 reportsCompleted.sh

Shows the number of reports completed regardless of the datasource. This data is collected every 30 minutes so it may not match the reportsByDS.sh or reportsByDS_User.sh for the current day.

Usage: `./reportsCompleted.sh [numberOfDaysBack]`

4.3.9 reportsForDay.sh

Displays all of the report runs for the past x days, not including today. This report is best viewed as a CSV file.

Usage: `./reportsForDay.sh [NumberOfDays]`

4.3.10 reportsPending.sh

Displays the total reports in the queue by job type. This reports the max/avg pending based on 30 min samples for each day.

Usage: `./reportsPending.sh [numberOfDaysBack]`

4.3.11 reportsStarted.sh

Displays the number of reports started regardless of datasource.

Usage: `./reportsStarted.sh [numberOfDaysBack]`

4.3.12 runTimeBucket.sh

Displays the number of reports per runtime interval.

Usage: `./runTimeBucket.sh [days]`

4.3.13 top10RunTime.sh

Displays the top 10 longest running reports per day, datasource, and job type.

Usage: `./top10RunTime.sh [NumberOfDays]`

4.3.14 userCount.sh

Displays the max and average number of users logged in during any 30 min sample for the day.

Usage: `./userCount.sh [numberOfDaysBack]`

5 Customer Support

Contact IBM Customer Support if a problem is encountered during the installation of this patch.

6 Manifest

```
patches
patches/PWeb2.2.5_P2
patches/PWeb2.2.5_P2/backup
patches/PWeb2.2.5_P2/backup/install
patches/PWeb2.2.5_P2/backup/install/db
patches/PWeb2.2.5_P2/backup/install/db/Oracle8i
patches/PWeb2.2.5_P2/backup/install/db/Oracle8i/part_maint
patches/PWeb2.2.5_P2/backup/install/db/Oracle8i/utility
patches/PWeb2.2.5_P2/backup/install/pm
patches/PWeb2.2.5_P2/backup/install/pm/adm
patches/PWeb2.2.5_P2/backup/install/pm/pas
patches/PWeb2.2.5_P2/backup/install/pm/pas/bin
patches/PWeb2.2.5_P2/backup/install/pm/pas/bin/perf
patches/PWeb2.2.5_P2/backup/install/pm/pas/bin/perf/sql
patches/PWeb2.2.5_P2/backup/install/pm/pas/etc
patches/PWeb2.2.5_P2/backup/install/pm/pas/etc/jboss-templates
patches/PWeb2.2.5_P2/backup/install/pm/pas/etc/jboss-
templates/server
patches/PWeb2.2.5_P2/backup/install/pm/pas/etc/jboss-
templates/server/default
patches/PWeb2.2.5_P2/backup/install/pm/pas/etc/jboss-
templates/server/default/deploy
patches/PWeb2.2.5_P2/backup/install/pm/pas/etc/jboss-
templates/server/default/deploy/jbossweb-tomcat55.sar
patches/PWeb2.2.5_P2/backup/install/pm/pas/jboss-4.0.5.GA
patches/PWeb2.2.5_P2/backup/install/pm/pas/jboss-4.0.5.GA/client
patches/PWeb2.2.5_P2/backup/install/pm/pas/jboss-4.0.5.GA/server
patches/PWeb2.2.5_P2/backup/install/pm/pas/jboss-
4.0.5.GA/server/default
```

```
patches/PWeb2.2.5_P2/backup/install/pm/pas/jboss-
4.0.5.GA/server/default/conf
patches/PWeb2.2.5_P2/backup/install/pm/pas/jboss-
4.0.5.GA/server/default/deploy
patches/PWeb2.2.5_P2/backup/install/pm/pas/jboss-
4.0.5.GA/server/default/lib
patches/PWeb2.2.5_P2/backup/install/pm/run
patches/PWeb2.2.5_P2/backup/install/vendor
patches/PWeb2.2.5_P2/backup/install/vendor/EnterpriseTrafficCache
patches/PWeb2.2.5_P2/backup/install/vendor/EnterpriseTrafficCache
/part_maint
patches/PWeb2.2.5_P2/install
patches/PWeb2.2.5_P2/install/compile-schema.sql
patches/PWeb2.2.5_P2/install/db
patches/PWeb2.2.5_P2/install/db/Oracle8i
patches/PWeb2.2.5_P2/install/db/Oracle8i/part_maint
patches/PWeb2.2.5_P2/install/db/Oracle8i/part_maint/part_maint.sq
l
patches/PWeb2.2.5_P2/install/db/Oracle8i/utility
patches/PWeb2.2.5_P2/install/db/Oracle8i/utility/autoclean.sql
patches/PWeb2.2.5_P2/install/db/Oracle8i/utility/autocleanPack.sq
l
patches/PWeb2.2.5_P2/install/patch.sql
patches/PWeb2.2.5_P2/install/pm
patches/PWeb2.2.5_P2/install/pm/adm
patches/PWeb2.2.5_P2/install/pm/adm/wmpm-init
patches/PWeb2.2.5_P2/install/pm/adm/wmpm.sh
patches/PWeb2.2.5_P2/install/pm/pas
patches/PWeb2.2.5_P2/install/pm/pas/bin
patches/PWeb2.2.5_P2/install/pm/pas/bin/perf
patches/PWeb2.2.5_P2/install/pm/pas/bin/perf/allPerf.sh
patches/PWeb2.2.5_P2/install/pm/pas/bin/perf/memory.sh
```

```
patches/PWeb2.2.5_P2/install/pm/pas/bin/perf/queue.sh
patches/PWeb2.2.5_P2/install/pm/pas/bin/perf/queueTimeBucket.sh
patches/PWeb2.2.5_P2/install/pm/pas/bin/perf/reportDBStats.sh
patches/PWeb2.2.5_P2/install/pm/pas/bin/perf/reportDetail.sh
patches/PWeb2.2.5_P2/install/pm/pas/bin/perf/reportsByDS.sh
patches/PWeb2.2.5_P2/install/pm/pas/bin/perf/reportsByDS_User.sh
patches/PWeb2.2.5_P2/install/pm/pas/bin/perf/reportsCompleted.sh
patches/PWeb2.2.5_P2/install/pm/pas/bin/perf/reportsForDay.sh
patches/PWeb2.2.5_P2/install/pm/pas/bin/perf/reportsPending.sh
patches/PWeb2.2.5_P2/install/pm/pas/bin/perf/reportsStarted.sh
patches/PWeb2.2.5_P2/install/pm/pas/bin/perf/runTimeBucket.sh
patches/PWeb2.2.5_P2/install/pm/pas/bin/perf/sql
patches/PWeb2.2.5_P2/install/pm/pas/bin/perf/sql/general.format
patches/PWeb2.2.5_P2/install/pm/pas/bin/perf/sql/memory24.sql
patches/PWeb2.2.5_P2/install/pm/pas/bin/perf/sql/memory7.sql
patches/PWeb2.2.5_P2/install/pm/pas/bin/perf/sql/queue.sql
patches/PWeb2.2.5_P2/install/pm/pas/bin/perf/sql/queue24.sql
patches/PWeb2.2.5_P2/install/pm/pas/bin/perf/sql/queueTimeBucket.
sql
patches/PWeb2.2.5_P2/install/pm/pas/bin/perf/sql/reportDBStats.sq
1
patches/PWeb2.2.5_P2/install/pm/pas/bin/perf/sql/reportDetail.sql
patches/PWeb2.2.5_P2/install/pm/pas/bin/perf/sql/reportsBy.format
patches/PWeb2.2.5_P2/install/pm/pas/bin/perf/sql/reportsByDS7.sql
patches/PWeb2.2.5_P2/install/pm/pas/bin/perf/sql/reportsByDS_User
7.sql
patches/PWeb2.2.5_P2/install/pm/pas/bin/perf/sql/reportsCompleted
7.sql
patches/PWeb2.2.5_P2/install/pm/pas/bin/perf/sql/reportsForDay.sq
1
patches/PWeb2.2.5_P2/install/pm/pas/bin/perf/sql/reportsPending7.
sql
```

```
patches/PWeb2.2.5_P2/install/pm/pas/bin/perf/sql/reportsStarted7.
sql
patches/PWeb2.2.5_P2/install/pm/pas/bin/perf/sql/runTimeBucket.sq
l
patches/PWeb2.2.5_P2/install/pm/pas/bin/perf/sql/top10RunTime.sql
patches/PWeb2.2.5_P2/install/pm/pas/bin/perf/sql/userCount7.sql
patches/PWeb2.2.5_P2/install/pm/pas/bin/perf/top10RunTime.sh
patches/PWeb2.2.5_P2/install/pm/pas/bin/perf/userCount.sh
patches/PWeb2.2.5_P2/install/pm/pas/etc
patches/PWeb2.2.5_P2/install/pm/pas/etc/jboss-templates
patches/PWeb2.2.5_P2/install/pm/pas/etc/jboss-templates/server
patches/PWeb2.2.5_P2/install/pm/pas/etc/jboss-
templates/server/default
patches/PWeb2.2.5_P2/install/pm/pas/etc/jboss-
templates/server/default/deploy
patches/PWeb2.2.5_P2/install/pm/pas/etc/jboss-
templates/server/default/deploy/jbossweb-tomcat55.sar
patches/PWeb2.2.5_P2/install/pm/pas/etc/jboss-
templates/server/default/deploy/jbossweb-tomcat55.sar/server.xml
patches/PWeb2.2.5_P2/install/pm/pas/jboss-4.0.5.GA
patches/PWeb2.2.5_P2/install/pm/pas/jboss-4.0.5.GA/client
patches/PWeb2.2.5_P2/install/pm/pas/jboss-4.0.5.GA/client/S07-
prospect-rpcontroller.dev-ejb-client.jar
patches/PWeb2.2.5_P2/install/pm/pas/jboss-4.0.5.GA/client/S26-
jam-prospect-enterprise.dev-ejb-client.jar
patches/PWeb2.2.5_P2/install/pm/pas/jboss-4.0.5.GA/client/wm-jam-
common.jar
patches/PWeb2.2.5_P2/install/pm/pas/jboss-4.0.5.GA/client/wm-jam-
prospect-common.jar
patches/PWeb2.2.5_P2/install/pm/pas/jboss-4.0.5.GA/client/wm-
prospect-jddsqlserver.jar
patches/PWeb2.2.5_P2/install/pm/pas/jboss-4.0.5.GA/server
```

patches/PWeb2.2.5_P2/install/pm/pas/jboss-4.0.5.GA/server/default
patches/PWeb2.2.5_P2/install/pm/pas/jboss-
4.0.5.GA/server/default/conf
patches/PWeb2.2.5_P2/install/pm/pas/jboss-
4.0.5.GA/server/default/conf/deployment.properties
patches/PWeb2.2.5_P2/install/pm/pas/jboss-
4.0.5.GA/server/default/deploy
patches/PWeb2.2.5_P2/install/pm/pas/jboss-
4.0.5.GA/server/default/deploy/pweb.war
patches/PWeb2.2.5_P2/install/pm/pas/jboss-
4.0.5.GA/server/default/deploy/S07-prospect-rpcontroller.dev.ear
patches/PWeb2.2.5_P2/install/pm/pas/jboss-
4.0.5.GA/server/default/deploy/S26-jam-prospect-
enterprise.dev.ear
patches/PWeb2.2.5_P2/install/pm/pas/jboss-
4.0.5.GA/server/default/deploy/S36-ent-prospect-
enterprise.dev.ear
patches/PWeb2.2.5_P2/install/pm/pas/jboss-
4.0.5.GA/server/default/deploy/U02-prospect-enterpriseRP.dev.ear
patches/PWeb2.2.5_P2/install/pm/pas/jboss-
4.0.5.GA/server/default/lib
patches/PWeb2.2.5_P2/install/pm/pas/jboss-
4.0.5.GA/server/default/lib/wm-agent-service.jar
patches/PWeb2.2.5_P2/install/pm/pas/jboss-
4.0.5.GA/server/default/lib/wm-jam-common.jar
patches/PWeb2.2.5_P2/install/pm/pas/jboss-
4.0.5.GA/server/default/lib/wm-jam-prospect-common.jar
patches/PWeb2.2.5_P2/install/pm/pas/jboss-
4.0.5.GA/server/default/lib/wm-prospect-jddsqlserver.jar
patches/PWeb2.2.5_P2/install/pm/run
patches/PWeb2.2.5_P2/install/pm/run/bhd.sh
patches/PWeb2.2.5_P2/install/pm/run/bhrgp.sh

```
patches/PWeb2.2.5_P2/install/pm/run/download
patches/PWeb2.2.5_P2/install/pm/run/ps-mgr
patches/PWeb2.2.5_P2/install/pm/run/rgp.sh
patches/PWeb2.2.5_P2/install/pm/run/udr.sh
patches/PWeb2.2.5_P2/install/PWeb2.2.5_P2.build
patches/PWeb2.2.5_P2/install/revert_perf_schema.sql
patches/PWeb2.2.5_P2/install/upgrade_perf_schema.sql
patches/PWeb2.2.5_P2/install/vendor
patches/PWeb2.2.5_P2/install/vendor/EnterpriseTrafficCache
patches/PWeb2.2.5_P2/install/vendor/EnterpriseTrafficCache/agentS
chemaViews.sql
patches/PWeb2.2.5_P2/install/vendor/EnterpriseTrafficCache/part_m
aint
patches/PWeb2.2.5_P2/install/vendor/EnterpriseTrafficCache/part_m
aint/init_partitioned_tables.sql
patches/PWeb2.2.5_P2/install/vendor/EnterpriseTrafficCache/perfor
manceMonitorSchema.sql
patches/PWeb2.2.5_P2/install/vendor/EnterpriseTrafficCache/perfor
manceMonitorSchemaViews.sql
patches/PWeb2.2.5_P2/install/vendor/EnterpriseTrafficCache/pe_per
formance_monitor.sql
patches/PWeb2.2.5_P2/install/vendor/EnterpriseTrafficCache/pe_per
formance_monitorPack.sql
patches/PWeb2.2.5_P2/install/vendor/EnterpriseTrafficCache/pe_res
ult_manager.sql
patches/PWeb2.2.5_P2/install/vendor/EnterpriseTrafficCache/pe_udc
.sql
patches/PWeb2.2.5_P2/install/vendor/EnterpriseTrafficCache/pe_udc
Pack.sql
patches/PWeb2.2.5_P2/install.sh
```