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# Highlights in release 10.0

This is the new release of OPRS. You will find that a lot of new functions have been added. This document covers the most important changes made in this release.

You may also read about the highlights in this release on the following web address:

<http://www.caraldata.no>

The web site contains links to examples and more information and might therefore be easier to read.

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## **General**

Support for an extended screen, i.e. 27x132, has been added to several displays. This gives you more information on each screen.

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## **OPRS web version**

Use the OPRS web version to display OPRS information using a web browser.

The following functions has been added or improved in this release:

- Display audit journal entries
- Working with job groups
- Message monitor
- More functions for Job Scheduler

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## **System monitor**

Some of the system monitor functions have been improved.

More monitoring functions have been added, and it is our intention to keep rolling out new ones.

The following monitoring functions are new or improved in this release:

- The Check Job Queue Entries (PCHKJOBQ) has a new option \*QUETIME. Use this option to check if jobs have been waiting in queue for a long time, e.g. more than 5 minutes.
- Use the Check License Keys (PCHKLICKEY) command to see if there are any licensed programs about to expire.
- Use the Check disabled network users (PCHKNETUSR) command to see if there any disabled network users on system. You may specify the name of a condition to be set. You may specify a list of users to be selected as well as a list of users to be ignored. Use the OPTION keyword to enable user profiles.

The “Work with” function now supports special values &SYSTEM and &COND in the CL command. These values will be replaced with the actual system and condition name.

The system monitor status may be also by displayed as an HTML document or by using the graphical version of OPRS.

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## ***Display audit journal entries***

Use this new function to makes is easy to display information from the operating systems Audit journal (QAUDJRN).

It will automatically retrieve a summary of journal entries throughout the day. This makes is easy to see if certain incidents happens, e.g. changing system values or deleting objects.

A number of specially designed programs may be used to display detailed entries, e.g. display a list of all deleted objects for a certain time interval. This applies to both IFS entries and /QSYS.LIB objects.

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## ***Generate RPG programs for database files***

You may appreciate this function if you are making your own RPG programs.

This function may be used to generate RPG programs to display or process database records. The following default programs are included:

- Display records from a database file (subfile program)
- Process records from a database file (typical batch program)

The subfile program has powerful subset functions and allows you to selection quick filters. It is also easy to add different sort sequences.

See the documentation for BUFFD command for more information.

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## ***Job scheduling***

Some of the programs now support 27x132 screens. This gives you more information on each screen. Also it is easier to search for jobs.

Use the new PSEARCH command to search for a certain text string in some of the most important OPRS files, i.e. Job Scheduler, Menus and File Jobs. This is almost like to be able to "google" OPRS...

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## ***File jobs***

Some of the screens used to edit a file job have been improved.

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## ***Job history***

A new function has been added to display the following job history summaries:

- Total number of jobs per day
- Total number of jobs per day and:
  - Subsystem
  - User
  - Completion code (i.e. if jobs ended normally or not)

You may drill down to see details for each job.

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## ***Message monitoring***

Some minor bugs have been fixed.

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## ***Other functions***

The Retrieve Output Queue (PRTVOUTQ) command now supports for more than 100.000 spooled files which was the limit in the previous version.

There is a new and improved version of the Display Program References (PDSPPGMREF) command.

Use the new PCRTJOBLOG command to force a job log to be created for jobs with status "Joblog pending".

There is a new and improved version of the Work with active jobs (PWRKACTJOB) command. It is now easy to search for jobs, users, subsystems and/or job status (e.g. MSGW).

A new command allows you to work with active batch jobs. It is easy to see how long each job has been running as well as if any job waited in job queue before coming active.

The Compare Library (PCMPLIB) function is now easier you use.