

BENTON Update Information for:**UniVerse and UniData on Unix Platforms****CONTENTS**

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Information for all Platforms**Changes to Default Queues**

At version 3.5.0 and higher, a new installation of BENTON does not install three sample queues, SLOW, NORMAL and FAST. These queues were made part of a new BENTON installation to provide samples to new customers. We have found that overall they were not be utilized as examples and are unnecessary. Note this is an update to the BENTON User's Guide as well.

Disabling Startup Diagnostic Files

At version 3.3.16 and higher, the creation of startup diagnostic files can be disabled system wide or on a per job basis. Startup diagnostic files are Unix files that are created that capture a job's activity from initial activation through completion. They are accessed via the

BENTON job_id -LOOK STARTUP

command or can be read directly from the CRC file with a key of Djob_number. Some customers have requested the ability to disable these files because they can get quite large

in the case of jobs that output a lot of information -- and in worst case are in infinite loops.

To disable a startup file for an individual job, add the option via expert mode

`-DISABLE.STARTUP`

for example:

`BENTON MYJOB -WKALL 11 -DISABLE.STARTUP`

Note that a startup file will be created when the job starts, but it will only contain a header of approximately 10 lines of startup information.

To disable startup files for all jobs, create a record in the JCTRL file called

`DISABLE.STARTUP`

and put a 1 in field 1. The next jobs activated will create only a "header" of a startup file as described above. To override this configuration for individual jobs, use the parameter

`-ENABLE.STARTUP`

when scheduling the job. `-ENABLE.STARTUP` will cause a full startup file to be created for the job even if startup files are disabled.

A `-DISABLE.STARTUP` parameter can be cancelled via the expert mode change option.

`BENTON JOB_ID -CHANGE -DISABLE.STARTUP CANCEL`

Startup file disabling is not available through BENTON's screens.

Note in general it is advised to not disable startup files. These files are extremely important to diagnose problems in job activations.

Requiring administrators to provide valid queue names

At version 3.3.16 and higher, BENTON administrators can be made subject to the same restrictions as other users when entering queue names using expert mode scheduling. Normally any queue name can be entered by an administrator, whereas other users must enter queue names that are present in a queue list maintained via the BENTON.ADMIN program. At version 3.3.16 and higher you can place the same restriction on BENTON administrators. To activate the restriction, create a record in JCTRL called `ADMIN.QUEUE.VERIFY` and place a 1 in field 1.

Scheduling queues

If scheduling a queue to use a particular schedule, be sure to enable the queue to run on holidays. This is done via the `-HOLIDAY YES` expert mode parameter. Failing to do so

will cause jobs using that queue scheduled to run on a holiday to fail to activate. At version 3.3.6 and higher, automatically starting queues are set up to start correctly on BENTON holidays.

Updating DBMS versions

If you update your DBMS version, you may need to perform either or both of the following steps to ensure BENTON will run properly. First, be sure to update the BENTON working directory to your DBMS version along with your other DBMS accounts. Failure to do so could result in the BENTON manager or queue managers not starting correctly. Secondly, in the rare cases where your catalog space has been cleared during your rev. update, the BENTON catalog entries will be removed as well. To recatalog the BENTON routines, type

```
BENTON.CATALOG
```

at the DBMS command prompt in the BENTON working directory.

Disabling prompting

At version 3.3.1, BENTON includes a new feature to disable certain aspects of prompt management for those paragraphs, sentences, remotes or procs containing prompts. This enhancement is provided to answer customer requirements for those who have their own prompt handling routines.

The BENTON prompt management subsystem has four processes for prompt control: 1) detection of prompts in a job being scheduled, 2) resolution (answering) of those prompts, 3) validation of prompt answers prior to job activation, and 4) unification of the answers with the prompts when the job is activated. The new “disabling prompting” feature permits you to turn off default handling of resolution, validation and unification for either all jobs or specific jobs. The effect of doing this is that, although BENTON will detect prompts, you will not be asked for the prompt answers when scheduling the job in expert mode, and the job will be activated as if it did not contain prompts.

To disable prompting for all jobs, create a JCTRL record in the BENTON working directory called DISABLE.PROMPTS. Place a 1 in field 1. The presence of this record will immediately cause BENTON to disable prompt control for all jobs. If there is a job you wish to have prompts enabled for while prompting is disabled for all jobs, add the option

```
-ENABLE.PROMPTS
```

for example: BENTON MYJOB -TODAY -ENABLE.PROMPTS

The command

```
BENTON MYJOB -CHANGE -ENABLE.PROMPTS CANCEL
```

will remove the per-job prompting enabling and cause the job to obey the system default.

To disable prompting for only specific jobs, leaving prompt control enabled for all other jobs, add the expert mode option

`-DISABLE.PROMPTS`

for example: `BENTON MYJOB -TODAY -DISABLE.PROMPTS`

The command

`BENTON MYJOB -CHANGE -DISABLE.PROMPTS CANCEL`

will remove the per-job prompting disabling and cause the job to obey the system default.

Note that when scheduling a job using BENTON screens, you will continue to be queried if you wish to answer prompts even if prompting is disabled. Respond with N (no) in order to not be queried for answers.

The BENTON options `-RESOLVE.PROMPTS` and `-CHECK.PROMPTS` are not affected by disabling prompting. You may resolve or check prompts while prompting is disabled for a job in order to maintain valid prompt answers in the BENTON database even though the answers will not be used.

The `-IGNORE.PROMPTS` expert mode option also is unchanged. `-IGNORE.PROMPTS` is used if you wish BENTON to process the prompts normally, but do not wish to answer the prompts when the job is being scheduled.

To report the values of per-job prompting, the dictionary item in `BENTON.JOB.INFO` is `PROMPTING` and in the BENTON Call Interface it is `BCI$PROMPTING`. A value of D means prompting is specifically disabled for this job through the `-DISABLE.PROMPTS` option.

New User's Guide

At version 3.3.0, a new User's Guide has been produced for BENTON on Unix systems. Additional copies of the User's Guide can be obtained, please contact us for details.

Default job names

At version 3.3.0 and higher, when a multi-word command is scheduled as a BENTON job (for example: `BENTON SORT CUSTOMER SAMPLE 10 -TODAY`), the job name BENTON will assign to the job is

`COMMAND`

To assign a different job name, use the `-NAME` option. For example:

`BENTON SORT CUSTOMER SAMPLE 10 -TODAY -NAME MYJOB`

An alternative method to not have the job name `COMMAND` used is to store the command within a paragraph, sentence, remote or proc. When a paragraph, sentence, remote or proc are scheduled in BENTON, BENTON automatically makes the job name the same as the VOC item being scheduled.

Job types

At BENTON versions 3.3.0 and higher, BENTON assigns different job types than earlier releases. For jobs running within your DBMS environment, BENTON assigns the job type “DBMS”. For jobs running in the operating system environment, BENTON assigns the job type “OS”. Job types for queues and chains remain the same (QUEUE and CHAIN). When your BENTON release is upgraded to 3.3.0 or higher, your current job types are automatically converted to the new types.

UniData — Additional Information

Running UniData jobs as phantoms

At BENTON versions 3.5.0 and higher, most UniData jobs may be run as UniData phantom processes rather than terminal processes. Prior to version 3.5.0, all UniData jobs ran as UniData terminal processes.

To run UniData jobs as phantoms, a configuration item must be set in the JCTRL file on the bentonud directory. Create or edit the record with a key of UDTPHANTOM in the JCTRL file. Enter a 1 in field 1 and file the record. Note that new installations and upgrades to 3.5.0 or higher will automatically configure BENTON to run most UniData jobs as phantoms.

There are some specific restrictions to running UniData jobs as phantoms. BENTON queues continue to be run as UniData terminal processes. BENTON chains and jobs run from BENTON chains are also run as UniData terminal processes in all cases. In addition, job expansion is disabled for all jobs that run as UniData phantoms.

To run jobs in the former mode as UniData terminal processes, delete the UDTPHANTOM record or change field 1 to a value of zero.

With UniData jobs running as phantoms, the standard usertype routine can be used to detect BENTON jobs and adjust the processing that occurs for them in LOGIN VOC items,

Proc Processing

Pre-interpretation of proc prompts is now supported in UniData version 3 and higher.

Direct input to the secondary output buffer when the buffer pointer is not at position 1 is not supported on the UniData platform.

The command `BENTON -IS.BENTON.JOB PROC` is not available on the UniData platform.

Problems Fixed

Problems Fixed at 3.8.2

Correct problem with command line syntax analyzer
Fix issue with routine to determine full account path

Problems Fixed at 3.8.1

Fix initialization problem in file open module
Fix problem with check.prompts for jobs with alternate home accounts

Problems Fixed at 3.8.0

This version incorporates a new installation format and related updates

Problems Fixed at 3.7.6

If a job has a skip schedule, the BENTON schedule display may not display the job entry

Problems Fixed at 3.7.5

If the como storage file is a remote file, BENTON now can properly access a job's COMO files

Problems Fixed at 3.7.4

An inconsistency in the VOCABLRY file has been corrected.

Problems Fixed at 3.7.3

Several purge related issues have been fixed

Problems Fixed at 3.7.2

Improved support for Redhat Advanced Server

Job activation routine configuration problems have been fixed

The UniData installation script has been updated

Problems Fixed at 3.7.1

Improved job initialization diagnostics

Problems Fixed at 3.7.0

Improved support for a job default of -OS (operating system jobs)

If an operating system command expression included characters in its path that could be interpreted as metacharacters, the command was not processed correctly