

PBS Access Desktop 2018.3

# Release Notes



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# PBS Access Desktop Release Notes

These release notes describe the system requirements, new features, resolved and known issues of PBS Access Desktop 2018.3. Please see the following sections for more information:

- [About PBS Access Desktop](#)
- [System Requirements](#)
- [Supported Product Configurations](#)
- [New Features](#)
- [Resolved Issues](#)
- [Known Issues](#)

## About PBS Access Desktop

Altair's new PBS Access Desktop provides a simple, powerful, and consistent interface for submitting and monitoring jobs on remote clusters, clouds, or other resources. Engineers and researchers can now focus on core activities and spend less time learning how to run applications or moving data around. The PBS Access remote visualization and collaboration capabilities bring access to an expensive, highend 3D visualization datacenter hardware right to the user.

### Features

- Novice to Expert: simple and powerful
- Same UX: desktop and web
- Secure: protected access to HPC resources
- End-to-end: submit, monitor progress, steer, fix, and rerun jobs
- Save time: Simplify job submission and management thanks to a powerful GUI with smart, simplified interfaces
- Be more productive: Spend more time focused on work and not IT tasks - for example, monitor jobs graphically without having to download huge job files
- Increase ROI: Consolidate access to applications and optimize license availability
- Reduce errors and improve consistency: Embed your company's best-practice "know how" directly into Application Definitions used for job submission

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# System Requirements

## Supported Platform

PBS Access Desktop is supported on the following Windows-64 platforms:

- Windows 7
- Windows 10

## Hardware Requirements

PBS Access Desktop requires a minimum hardware configuration:

Table 1. Hardware requirements for PBS Access Desktop

Hardware	Minimum Requirement	Recommended
CPU	2 CPU cores with a minimum speed of 2.5 GHz	4 CPU cores with a minimum speed of 2.5 GHz
Memory (Physical)	2 GB	8 GB
Disk Space	2 GB	4 GB

## Supported Product Configurations

The currently supported PBS Access Desktop product configurations are:

Table 2. Supported Product Configuration for PBS Access Desktop

PBS Access Desktop	PBS Professional
2018.3	18.2.2 18.2.1 14.2.4 13.1.3

## New Features

This section provides information about the new features of PBS Access Desktop 2018.3:

- [Shared File System Support](#)
- [Wait Option in Command Line Job Submission](#)
- [Location of Application Directory](#)
- [Define Input File Types to be Displayed in File Picker](#)
- [Result File Download Pattern Parameter in Application Definition](#)

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### Shared File System Support

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PBS Access Desktop now allows you to submit jobs from your shared file system. By submitting a job from a shared file system, the process will be faster as the files are not getting uploaded or downloaded from your local host. The job output files will be written out to the shared file system.

To use the shared file system feature, you must map a network drive to the shared file system and configure it.

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### Wait Option in Command Line Job Submission

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Now, you can use a wait (`-w / -wait`) option in the `pas-submit` command in PBS Access Desktop. After the job is completed, the results will be downloaded before the next command is executed.

Refer to *PBS Access 2018.3 Command Line Interface Guide* for more information.

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### Location of Application Directory

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PBS Access Desktop provides an option to browse the application definition directory from the User Interface Settings.

Refer to *Location of Application Definitions* section in *PBS Access Desktop 2018.3 Administrator's Guide*.

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## **Define Input File Types to be Displayed in File Picker**

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In an application definition, you can map the file type extensions that should be displayed in the input file picker.

For example, the PBS Access Desktop user interface file picker will display only the .`fem` related files when you are trying to provide an input file for an Optistruct job.

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## **Result File Download Pattern Parameter in Application Definition**

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In an application definition you can now map the result file types that should be downloaded after a job is completed. This list is specified in the `RESULT_FILE_DOWNLOAD_PATTERN` parameter.

Refer to *Adding a File Downloading Parameter in Application Definition* section in *PBS Access Desktop 2018.3 Administrator's Guide*.



## Resolved Issues

These issues are resolved in PBS Access Desktop 2018.3:

- [PA-1419 Success and failure message were not displayed when a job was terminated](#)
- [PA-1450 Double clicking the desktop shortcut should open PBS Access Desktop](#)

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### **PA-1419 Success and failure message were not displayed when a job was terminated**

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**Summary:** When you terminated a job, the notification message was not displayed.

**Resolution:** Notification message is displayed when you terminate a job.

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### **PA-1450 Double clicking the desktop shortcut should open PBS Access Desktop**

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**Summary:** Double clicking the desktop short cut while it is already running, should open PBS Access Desktop in maximize mode.

**Resolution:** Double clicking the desktop short cut opens the application in maximized mode.

## Known Issues

This section provides information about known issues with PBS Access Desktop 2018.3:

- [PA-1380 Job submission error when PBS Professional is installed on Desktop](#)
- [PA-1461 Job submission occurs when the credentials for registered user are changed](#)
- [PA-1499 Message is not displayed during invalid character validation](#)
- [PA-1506 File download does not resume when the network connection is lost and reconnected](#)
- [PA-1542 Application screen gets trimmed](#)
- [PA-1543 PBS Access mounted drive is showing capacity of the local system](#)
- [PA-2024 No indication when the include files referenced from master file are not present](#)
- [PA-3841 PAD does not pick the default queue set at PBS Professional level](#)
- [PA-3842 PAD does not display running job folder or files for a cloud bursting scenario](#)
- [PA-3933 Application Definition rendering on UI fails when associated refresh.py is using utils](#)
- [PA-4402 Jobs are not listed in Summary page due to applied filter](#)
- [PA-4406 PBS Access Desktop application UI becomes blank](#)
- [PA-4409 Job submission fails when network gets disconnected](#)

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### **PA-1380 Job submission error when PBS Professional is installed on Desktop**

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**Summary:** On Windows, an error is encountered while submitting a job when PBS Access Desktop is installed on the same machine as PBS Professional. Error is:

```
com.altair.cm.filemgmt.core.exceptions.OperationFailedException:
```

```
com.altair.gw.aif.exceptions.OperationFailedException: current working directory can not be null
```

**Work Around:** No workaround for this issue.

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### **PA-1461 Job submission occurs when the credentials for registered user are changed**

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**Summary:** If the user credentials are changed in PBS Professional, job submission from PBS Access Desktop works with the older credentials till PBS Access Desktop is restarted.

**Work Around:** No workaround for this issue

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### **PA-1499 Message is not displayed during invalid character validation**

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**Summary:** When invalid characters are entered in the stage or save profile text box, the box is highlighted with a red border, but no error message is displayed.

**Work Around:** No workaround for this issue.

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### **PA-1506 File download does not resume when the network connection is lost and reconnected**

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**Summary:** File download does not complete when there is an interruption in network connectivity.

**Work Around:** No workaround for this issue.

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### **PA-1542 Application screen gets trimmed**

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**Summary:** Application screen is getting trimmed off due to different screen resolutions on Windows desktop.

**Work Around:** No workaround for this issue.

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### **PA-1543 PBS Access mounted drive is showing capacity of the local system**

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**Summary:** This is due to a Microsoft limitation. Please refer to the knowledge base article:

<https://support.microsoft.com/en-us/help/2386902/webdav-mapped-drive-reports-incorrect-drive-capacity>

**Work Around:** No workaround for this issue.

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### **PA-2024 No indication when the include files referenced from master file are not present**

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**Summary:** Job is submitted without the include files that are referenced in the master files.

**Work Around:** No workaround for this issue.

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**PA-3841 PAD does not pick the default queue set at PBS Professional level**

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**Summary:** When we change the default queue at PBS Professional level, PAD does not pick this change to reflect in the corresponding Application Definition.

**Work Around:** No workaround for this issue.

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**PA-3842 PAD does not display running job folder or files for a cloud bursting scenario**

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**Summary:** Folders and files for a job running on a cloud bursted node are not accessible via PBS Access Desktop.

**Work Around:** No workaround for this issue.

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**PA-3933 Application Definition rendering on UI fails when associated refresh.py is using utils**

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**Summary:** When a refresh.py is using utils for processing and if this utils is not found in PBS Access Desktop then the application definition rendering fails on the UI.

Using utils package in refresh.py, one can communicate with PBS to get details like queues, binary paths etc., and to do this there will be directly reading /etc/pbs.conf or qstat etc,. In PBS Access Dekstop, there is no local PBS running and these commands are not available, so execution of the command will fail and logs into pas-server.log.

**Work Around:** No workaround for this issue.

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**PA-4402 Jobs are not listed in Summary page due to applied filter**

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**Summary:** If the applied filter is removed using the backspace, then the jobs submitted from PBS Access Desktop application are not listed in Summary page.

**Work Around:** No workaround for this issue.

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### **PA-4406 PBS Access Desktop application UI becomes blank**

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**Summary:** While working on PBS Access Desktop application, the UI becomes blank.

**Work Around:** No workaround for this issue.

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### **PA-4409 Job submission fails when network gets disconnected**

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**Summary:** If the network connection is lost while a job is being submitted, on reconnection the job submission does not resume.

**Work Around:** No workaround for this issue.

