

Altair Access Desktop 2018.4

Release Notes



 Altair | PBS Works™

PBS Works is a brand of  Altair

Intellectual Property Rights Notice: Copyrights, Trademarks, Trade Secrets, Patents and Third Party Software Licenses

Updated: December 18, 2018.

Altair® PBS Works® v.2018.4

Accelerating Innovation in the Cloud™

Copyright© 1994-2018 Altair Engineering Inc. All Rights Reserved.

Special Notice: Pre-release versions of Altair software are provided 'as is', without warranty of any kind. Usage of pre-release versions is strictly limited to non-production purposes.

PBS Works - Accelerating Innovation in the Cloud™

Altair PBS Professional® ©1994-2018
Altair Control © 2008-2018; (formerly PBS Control)
Altair Access © 2008- 2018; (formerly PBS Access)
Altair Accelerator © 1995- 2018; (formerly NetworkComputer)
Altair Accelerator plus © 1995- 2018; (formerly WorkloadXelerator)
Altair FlowTracer © 1995- 2018; (formerly FlowTracer)
Altair Allocator © 1995- 2018; (formerly LicenseAllocator)
Altair Monitor © 1995- 2018; (formerly LicenseMonitor)
Altair Hero © 1995- 2018; (formerly HERO)

Note:

Compute Manager™ ©2012-2017 is now part of Altair Access
Display Manager™ ©2013-2017 is now part of Altair Access
PBS Application Services ©2008-2017 is now part of Altair Access
PBS Analytics ©2008-2017 is now part of Altair Control
PBS Desktop ©2008-2012 is now part of Altair Access, specifically Altair Access desktop, which also has Altair Access web and Altair Access mobile
e-Compute™ ©2000-2010 was replaced by “Compute Manager” which is now Altair Access

Altair HyperWorks - A Platform for Innovation®

Altair AcuConsole ©2006-2018
Altair AcuSolve ©1997-2018
Altair ElectroFlo ©1992-2018
Altair ESAComp ©1992-2018
Altair Feko ©1999-2014 Altair Development S.A. (Pty) Ltd.; ©2014-2018 Altair Engineering Inc.
Altair Flux ©1983-2018
Altair FluxMotor ©2017-2018
Altair HyperCrash ©2001-2018
Altair HyperGraph ©1995-2018

Altair HyperMesh ©1990-2018
Altair HyperStudy ©1999-2018
Altair HyperView ©1999-2018
Altair Virtual Wind Tunnel ©2012-2018
Altair HyperXtrude ©1999-2018
Altair MotionSolve ©2002-2018
Altair MotionView ©1993-2018
Altair Multiscale Designer ©2011-2018
Altair OptiStruct ©1996-2018
Altair Radioss ©1986-2018
Altair SimLab ©2004-2018
Altair nanoFluidX © 2013-2018 Fluidyna GmbH, © 2018 Altair Engineering Inc.
Altair ultraFluidX © 2010-2018 Fluidyna GmbH, © 2018 Altair Engineering Inc.
Altair WinProp ©2000-2018
Altair ConnectMe ©2014-2018
Various other products including Altair solidThinking Platform software products.

Altair Packaged Solution Offerings (PSOs)

Altair Automated Reporting Director ©2008-2018
Altair GeoMechanics Director ©2011-2018
Altair Impact Simulation Director ©2010-2018
Altair Model Mesher Director ©2010-2018
Altair NVH Director ©2010-2017
Altair Squeak and Rattle Director ©2012-2018
Altair Virtual Gauge Director ©2012-2018
Altair Weight Analytics ©2013-2017
Altair Weld Certification Director ©2014-2018
Altair Multi-Disciplinary Optimization Director ©2012-2018

solidThinking - Where Innovation Begins™

Altair Inspire™ 2019 ©2009-2018 including Altair Inspire Motion and Altair Inspire Structures
Altair Inspire Extrude-Metal 2019 ©1996-2018 (formerly Click2Extrude®-Metal)
Altair Inspire Extrude-Polymer 2019 ©1996-2018 (formerly Click2Extrude®-Polymer)
Altair Inspire Cast 2019 ©2011-2018 (formerly Click2Cast®)
Altair Inspire Form 2019 ©1998-2018 (formerly Click2Form®)
Altair Inspire Mold 2019 ©2009-2018
Altair Compose™ 2019 ©2007-2018 (formerly solidThinking Compose®)
Altair Activate™ 2019 ©1989-2018 (formerly solidThinking Activate®)
Altair Embed™ 2019 ©1989-2018 (formerly solidThinking Embed®)

- Altair Embed SE 2019 ©1989-2018 (formerly solidThinking Embed® SE)
- Altair Embed/Digital Power Designer 2019 ©2012-2018

Altair SimLab™ 2019 ©2004-2018

Altair Evolve™ 2017.3 ©1993-2018

Altair 365™ ©1994-2018

Altair intellectual property rights are protected under U.S. and international laws and treaties. Additionally, Altair software is protected under patent #6,859,792 and other patents pending. All other marks are the property of their respective owners.

ALTAIR ENGINEERING INC. Proprietary and Confidential. Contains Trade Secret Information.

Not for use or disclosure outside of Altair and its licensed clients. Information contained in Altair software shall not be decompiled, disassembled, “unlocked”, reverse translated, reverse engineered, or publicly displayed or publicly performed in any manner. Usage of the software is only as explicitly permitted in the end user software license agreement. Copyright notice does not imply publication.

Third party software licenses

AcuConsole contains material licensed from Intelligent Light (www.ilight.com) and used by permission.

Software Security Measures:

Altair Engineering Inc. and its subsidiaries and affiliates reserve the right to embed software security mechanisms in the Software for the purpose of detecting the installation and/or use of illegal copies of the Software. The Software may collect and transmit non-proprietary data about those illegal copies. Data collected will not include any customer data created by or used in connection with the Software and will not be provided to any third party, except as may be required by law or legal process or to enforce our rights with respect to the use of any illegal copies of the Software. By using the Software, each user consents to such detection and collection of data, as well as its transmission and use if an illegal copy of the Software is detected. No steps may be taken to avoid or detect the purpose of any such security mechanisms.

Technical Support

Location	Telephone	e-mail
Australia	+1 800 174 396	anz-pbssupport@india.altair.com
China	+86 21 6117 1666	es@altair.com.cn
France	+33 (0)1 4133 0992	pbssupport@europe.altair.com
Germany	+49 (0)7031 6208 22	pbssupport@europe.altair.com
India	+91 80 66 29 4500 +1 800 425 0234 (Toll Free)	pbs-support@india.altair.com
Italy	+39 800 905595	pbssupport@europe.altair.com
Japan	+81 3 6225 5821	pbs@altairjp.co.jp
Korea	+82 70 4050 9200	support@altair.co.kr
Malaysia	+91 80 66 29 4500 +1 800 425 0234 (Toll Free)	pbs-support@india.altair.com
North America	+1 248 614 2425	pbssupport@altair.com
Russia	+49 7031 6208 22	pbssupport@europe.altair.com
Scandinavia	+46 (0) 46 460 2828	pbssupport@europe.altair.com
Singapore	+91 80 66 29 4500 +1 800 425 0234 (Toll Free)	pbs-support@india.altair.com
South Africa	+27 21 831 1500	pbssupport@europe.altair.com
South America	+55 11 3884 0414	br_support@altair.com
United Kingdom	+44 (0)1926 468 600	pbssupport@europe.altair.com

This document is proprietary information of Altair Engineering, Inc.

Altair Access Desktop Release Notes

These release notes describe the system requirements, new features, resolved and known issues of Altair Access™ Desktop 2018.4. Please see the following sections for more information:

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

About Access Desktop

Altair's new 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 Access Desktop remote visualization and collaboration capabilities bring access to an expensive, highend 3D visualization datacenter hardware right to the user. Access Desktop provides an ability to visualize the results by extracting plot and animation data. You can view plots for running jobs as well as for jobs which have been successfully completed. You can download and analyze animations using the Altair HyperView Player.

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

To obtain the latest release package, contact your Altair sales representative by writing to sales@altair.com or support@altair.com. For more information, visit us at www.pbsworks.com.

System Requirements

Supported Platform

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

- Windows 7
- Windows 10

Hardware Requirements

Access Desktop requires a minimum hardware configuration:

Table 1. Hardware requirements for 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 Access Desktop product configurations are:

Table 2. Supported Product Configuration for Access Desktop

Access Desktop	PBS Professional
2018.4	18.2.3 18.2.2 18.2.1 18.1.3 (OSS) 14.2.4 14.1.0 (OSS)

New Features

This section provides information about the new features of Access Desktop 2018.4:

- [Cluster Information after Registration](#)
- [Cancel Input File Upload](#)
- [Tab Button Support](#)

Cluster Information after Registration

Access Desktop now displays the registered cluster information when a cluster is selected.

Cancel Input File Upload

When submitting a job with a large job input file, the upload of the file can be canceled, thereby canceling the job.

Tab Button Support

Navigation through the user interface using the keyboard Tab button is now supported.

Resolved Issues

These issues are resolved in Access Desktop 2018.4:

- [PA-3841 Access Desktop was not picking the default queue set at PBS Professional level](#)
- [PA-4402 Jobs were not listed in Summary page due to applied filter](#)
- [PA-4409 Job submission fails when network gets disconnected](#)

PA-3841 Access Desktop was not picking the default queue set at PBS Professional level

Summary: When we change the default queue at PBS Professional level, Access Desktop was not picking this change to reflect in the corresponding Application Definition.

Resolution: Application Definition picks up the default queue set at PBS Professional.

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

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

Resolution: The job submitted from Access Desktop application are listed in Summary page.

PA-4409 Job submission fails when network gets disconnected

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

Resolution: The job submission resumes after network is reconnected.

Known Issues

This section provides information about known issues with Access Desktop 2018.4:

- [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-3842 Access Desktop 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-4406 Access Desktop application UI becomes blank](#)
- [PA-4604 The job gets stuck at uploading state if the file name contains % character](#)

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

Summary: On Windows, an error is encountered while submitting a job when 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.

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

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

Work Around: No workaround for this issue

PA-1499 Message is not displayed during invalid character validation

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.

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

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

Work Around: No workaround for this issue.

PA-1542 Application screen gets trimmed

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

Work Around: No workaround for this issue.

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

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.

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

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

Work Around: No workaround for this issue.

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

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

Work Around: No workaround for this issue.

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

Summary: When a refresh.py is using utils for processing and if this utils is not found in 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 PAccess Desktop, 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.

PA-4406 Access Desktop application UI becomes blank

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

Work Around: No workaround for this issue.

PA-4604 The job gets stuck at uploading state if the file name contains % character

Summary: If the input file contains % character, then the job does not get submitted and it stops at uploading state.

Work Around: No workaround for this issue.