



JobQueue 2020.01.h2

Release Notes

1. OVERVIEW

As a web-based simulation job management platform, JobQueue mainly consists of “Web UI”, “User Manager”, “Job Manager” and “Process Manager”. Web UI is the user interface to access this system. User Manager helps you manage login accounts, including add and delete the account, set up a password and define priority. Job Manager submits simulation jobs to a queue, manage job priority, monitor job status and so on. Process Manager is an independent service process, which is always running to detect and manage simulation jobs.

The Release Notes cover the following releases:

JobQueue 2020.01.h2

Release Date: December 29, 2020

The Release Notes present the latest information about JobQueue Version 2020.01.h2 in the following sections:

- [Supported Operating Systems](#)
- [New Features and Enhancements in JobQueue 2020.01](#)
- [New Features and Enhancements in JobQueue 2020.01.h1](#)
- [New Features and Enhancements in JobQueue 2020.01.h2](#)

2. SUPPORTED OPERATING SYSTEMS

JobQueue 2020.01.h2 is available on both Windows and Linux. Obtain the appropriate binary executable files for your operating system. The supported platforms for this release include:

- Windows XP or above
- Linux

3. New Features and Enhancements in JOBQUEUE 2020.01

JobQueue 2020.01 provides new features and enhancements as described in the following sections.

3.1 Usability Improvements

- Supported queue using computer resource on AWS cloud, and supported dynamically starting computer node
- Optimized security of system login, password encryption supported
- Optimized HFSS separated submission flow, show status information if error occurred
- Optimized startup flow of management node
- Optimized processing of job queue, improved efficiency and stability

4. New Features and Enhancements in JOBQUEUE 2020.01.h1

JobQueue 2020.01.h1 provides new features and enhancements as described in the following sections.

4.1 Usability Improvements

- Supported statistic job information of grouped users
- Supported batch update application server of computer node
- Optimized communication of nodes, added communication channel
- Supported switch communication channel online
- Added job count in "job on node"
- Fixed some known issues
- A few other optimizations

5. New Features and Enhancements in JOBQUEUE 2020.01.h2

JobQueue 2020.01.h2 provides new features and enhancements as described in the following sections.

5.1 Usability Improvements

- Added user job statistic
- Optimized communication service channel
- Optimized stdout and stderr analyzation, and supported customized charset
- Optimized task process searching
- Supported copy-and-run task mode
- Supported basic abaqus simulation flow
- Supported basic comsol simulation flow
- Fixed some known issues
- A few other optimizations

6. Legal Notice

The source code used in JobQueue comprises of both Open Source and proprietary software components.

The Open Source components used in JobQueue are:

- Apache tomcat 7.0.62

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- Mysql 5.6.20

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- **Inno Setup 6.0.4**

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