



Blackboard

## Blackboard Learn 9.1 Q2 2017

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**Product:** Blackboard Learn

**Release Date:** Apr 12,2017

**Upgrade Paths:**

### Upgrade Paths for Clients Already on Blackboard Learn, 9.1

Existing Blackboard Learn, Release 9.1 clients can upgrade from the following versions to 9.1 Q2 2017 (Build:3200.0.0)

- Blackboard Learn, 9.1 Q4 2016 (Build: 3100.0)
- Blackboard Learn, 9.1 Q2 2016 (Build: 3000.1)

If you are a self-hosted client on a Blackboard Learn 9.1 release prior to 9.1 Q2 2016 you will need to upgrade to 9.1 Q2 2016 before you can upgrade to Learn 9.1 Q2 2017.

### Upgrade Paths for Clients New to Blackboard Learn, Release 9.1

If you are upgrading from one of the releases listed below, please refer to [Install or Upgrade Learn](#) for information to help you plan for this move. There are planning, training, and communication materials available to make this upgrade as smooth as possible. Please reference next steps based on your current release. For those migrating from Blackboard Learn, Release 9.0 or Blackboard Academic Suite, Release 8.0, please ensure you include migrating to a 64-bit environment in your upgrade plans.

- **Blackboard Learn, Release 9.0:** The following paths are supported when upgrading from Blackboard Learn, Release 9.0, Service Pack 7 (Build: 9.0.692.0)
  - Release 9.1, Service Pack 9 (Build: 9.1.90132.0) > Service Pack 12 (Build: 9.1.120113.0) > April 2014 (9.1.201404.160205) > Q4 2015 (Build:9.1.201510) > Q2 2016 (Build:3000.1) or Q4 2016 (Build:3100.0) > Q2 2017 (Build:3200.0)
- **Blackboard Academic Suite, Release 8.0 or lower:**The following paths are supported when upgrading from Release 8.0, Service Pack 7 Hotfix 2 (Build: 8.0.494.35) without needing to upgrade to Release 9.0 first.
  - Blackboard Learn, Release 9.1, Service Pack 9 (Build: 9.1.90132.0) > Service Pack 12 (Build: 9.1.120113.0) > April 2014 (9.1.201404.160205) > Q4 2015 (Build:9.1.201510) > Q2 2016 (Build:3000.1) or Q4 2016 (Build:3100.0) > Q2 2017 (Build:3200.0)
- **Blackboard Learning System CE 8.0 and Vista 8.0 Licenses:** You must be on Service Pack 6 (Build: 18.0.6.116) to effectively use course conversion capabilities.
- **Blackboard Learn, ANGEL Edition:** You must be on any ANGEL 8.0 or ANGEL 7.4 release to effectively use course conversion capabilities.

If you are a self-hosted client on a release that is earlier than Blackboard Learn 9.1 Service Pack 6, and you also use Oracle, there is a pre-upgrade utility that will minimize your downtime during this upgrade. Please consult the 9.1 Service Pack 6 Release Notes and the [Readme for the Pre-Upgrade Utility for Oracle](#) for more information on this utility.

### **Announcing:**

Blackboard is pleased to announce the General Availability of Blackboard Learn™, Release 9.1 Q2 2017 (Build:3200.0.0-rel.52+647f084). This notification contains important details of this release, so please review the entire message.

### **Release Highlights:**

#### **Quality Improvements**

There are over 250 client-reported issues fixed in the release. The top 50 resolved issues list is available for review in Learn 9.1 Q2 2017 Release - Top 50 Bugs Fixed , Article #[43680](#) To see the complete list on Behind the Blackboard, go to Self Service > Known Issues and then under Planned First Fix search by Learn 9.1 Q2 2017 Release. The list can be printed or exported to PDF or Excel.

### **Important Notes**

#### **Blackboard Ally**

Ally, an optional licensed service for improving content accessibility, can now be integrated into Learn and improves accessibility in the following ways:

- Instructors can view an accessibility score and learn ways to improve the accessibility of materials.
- Students can download automatically-generated alternative versions of uploaded files, such as accessible HTML, digital braille, and audio format files.
- Administrators can view accessibility scores of materials across courses and track changes over time to plan, measure, and improve accessibility.

### **Highlights of New Features and Enhancements**

#### **Smaller, Faster Installer**

This update removes redundant libraries and procedures to reduce installer size and improve speed. Installation times will vary by environment dependent upon size and hardware.

#### **Faster Startup**

The startup sequence and restart times of application subsystems have been improved.

#### **Submission Receipts**

Students can receive a notification email for each assignment attempt with information about the submission including attached files. Students can also access receipts at any time on the My Grades page in the submissions filter area. Administrators can optionally disable the email notifications.

### **Learn 2016 Theme Improvements and Mobile Optimization**

- The discussion board is responsive for mobile devices if the post contents are responsive. Discussion participants can read, respond, and use other discussion features such as post rating.
- Pages with tables, course menu, and My Blackboard pages are better optimized for mobile devices. Contextual menus can be accessed on both tablet and mobile devices.

### **Additional Drag-and-Drop Locations**

The drag-and-drop feature has been added to the Content Collection, Content Editor, Blank Page, Blogs, Journals, and Portfolios. If the browser allows, users can drag a folder of files and the files will upload individually.

### **Outcomes Assessment: Evidence Sampling by demographic**

Assessment managers can sample student assignments by demographic information in the education level field or in institution roles. Sampling by institution roles allows Boolean AND/OR selection for enhanced search.

### **LTI Improvements**

LTI course links created by partners' and institutionally-created solutions through Building Block APIs can now leverage LTI Outcomes 1.0 for grade/score return.

### **Content Collection Improvements**

The Content Collection has been improved to remove spam vulnerabilities and enhance search indexing performance. These improvements were also included in prior-version maintenance releases.

### **SIS Integration Changes**

New REST web services have been added to retrieve job status and record processing errors. Administrators can implement real-time monitoring and issue resolution processes. Command-line snapshot tools have been removed. Flat, snapshot-formatted files can still be processed through the SIS Integration Framework.

### **Password Change Improvement**

Changing passwords now requires users to enter their current password as well as enter their new password for greater security. Administrators can update the label "Current Password" in Admin Panel > Customize User Information.

### **Blackboard Predict Support**

Support for the additional, optional Blackboard Predict solution is included in this release. Predict uses longitudinal analysis of Learn and Student Information System data with predictive analytic algorithms to help educators, advisors, coaches and tutors to identify students at risk and intervene. If licensed and configured, Blackboard Learn administrators can enable the tools in the admin panel tools management area; the options will appear in all environments.

### **Email Settings**

Starting in the Blackboard Learn 9.1 Q2 2017 release, administrators edit email configuration settings in the user interface, rather than editing the settings in the bb-config.properties file. This method also allows you to edit email configuration settings without having to restart your Blackboard Learn environment. The configuration

settings are now located under System Configuration > Email Configuration. The Local Support Contact, which was previously under System Admin > Help, is now located under Email Configuration as well. For additional details on the settings, please see [Email](#).

Clients who have control over their user's email addresses and not susceptible to DMARC-based rejections now have the option to turn off DMARC handling through System Configuration instead of the bb-config.properties file.

## Deprecated Items

### Red Hat Linux 5

Red Hat Linux 5 is no longer supported. Affected Linux environments should upgrade to Red Hat Linux 6 when adopting this release.

### Command-Line Snapshot Tools

Blackboard announced in April 2016 the end of support and the removal of the Snapshot Tools, Article - #[42089](#). In the 9.1 Q2 2017 release, the command-line Snapshot tools have been removed. Flat, snapshot-formatted files can still be processed through the [SIS Integration Framework](#).

If you need assistance with adopting the SIS Integration Framework, Blackboard offers mentoring services that can help you plan, scale, and upgrade your integrations. Contact your Blackboard Sales Representative to schedule a time to discuss your recommended options and next steps.

### Bookstore Building Block

The Blackboard Store Building Block has been removed from this release.

#### Accessing the Build:

### Change Management Resources

Self-hosted clients may download the latest build on the [Download Files](#) page. Managed Hosting clients may submit a case on Behind the Blackboard to schedule implementation of this release.

For a more detailed explanation of the changes and new features of this release, please reference the [Release Notes](#) and the [Download Files](#) page.

[Download Files](#)

[Release Notes](#)

[Supported Technologies](#)

[Browser Support](#)

Recent Issues

Article Number	Component	Service Pack(s)	Issue Description	Target Fix Release	Patch Available
<a href="#">000033907</a>	Course Tools, Extensions	Learn 9.1 Q2 2017 (3200.0.0), Learn 9.1 Q4 2017 (3300.0.0), Learn 9.1 Q2 2018 (3400.0.0), Learn 9.1 Q4 2018 (3500.0.0), Learn 9.1 Q2 2019 (3700.0.0), Learn 9.1 Q4 2016 (3100.0.0-rel.107+401e, 9.1 SP14 (9.1.140152.0), Learn April 2014 (9.1.201404.160205), Learn October 2014 (9.1.201410.160373), SaaS, Learn 9.1 Q4 2015	The Students are not in the Course, but appear in the Group Assignments.	Learn 9.1 Q4 2019 Release <p>SaaS - Fixed (v3700.5.0)	No

		(9.1.201510.1171621), Learn 9.1 Q2 2016 (3000.1.0-rel.52+991d)			
<a href="#">000050595</a>	Reporting, Content Management	Learn 9.1 Q2 2017 (3200.0.0), Learn 9.1 Q4 2017 (3300.0.0), Learn 9.1 Q2 2018 (3400.0.0), Learn 9.1 Q4 2018 (3500.0.0), Learn 9.1 Q2 2019 (3700.0.0), SaaS	The Administrator Search function to locate Orphaned Content sometimes includes results which are not actually Orphaned.	Learn 9.1 Q4 2019 Release <p>SaaS - Fixed (v3700.10.0)	Yes
<a href="#">000050302</a>	Course Tools, Notifications	Learn 9.1 Q4 2019, Learn 9.1 Q2 2017 (3200.0.0), Learn 9.1 Q4 2017 (3300.0.0), Learn 9.1 Q2 2018 (3400.0.0), Learn 9.1 Q4 2018 (3500.0.0), Learn 9.1 Q2 2019 (3700.0.0), SaaS	Administrators will get Daily Digest emails for Courses if they leave a Preview Student in the Course.	Will Not Fix	No
<a href="#">000048131</a>	Course Tools	Learn 9.1 Q4 2019, Learn 9.1 Q2 2017 (3200.0.0), Learn 9.1 Q4 2017 (3300.0.0), Learn 9.1 Q2 2018 (3400.0.0), Learn 9.1 Q4 2018 (3500.0.0), Learn 9.1 Q2 2019 (3700.0.0), SaaS	Assignments submitted by Students are not being rendered in the New Box View. Messages being displayed are "This file is being converted. The estimated wait time is 6039 seconds." The issue is occurring also in older Assessments.	Future Reference	No
<a href="#">000042174</a>	Course Tools	Learn 9.1 Q2 2017 (3200.0.0), Learn 9.1 Q4 2017 (3300.0.0), Learn 9.1 Q2 2018 (3400.0.0), Learn 9.1 Q4 2018 (3500.0.0), Learn 9.1 Q2 2019 (3700.0.0), Learn 9.1 Q4 2016 (3100.0.0-rel.107+401e, Learn October 2014 (9.1.201410.160373), SaaS, Learn 9.1 Q4 2015 (9.1.201510.1171621), Learn 9.1 Q2 2016 (3000.1.0-rel.52+991d)	When an Instructor attempts to edit a Calculated Formula question, the VTBE does not display the formula and the answer box is blank.	Learn 9.1 Q4 2019 Release <p>SaaS - Fixed (v3700.10.0)	No
<a href="#">000050364</a>	Grade Center	Learn 9.1 Q2 2017 (3200.0.0), Learn 9.1 Q4 2017 (3300.0.0), Learn 9.1 Q2 2018 (3400.0.0), Learn 9.1 Q4 2018 (3500.0.0), Learn 9.1 Q2 2019 (3700.0.0), SaaS	Users are unable to delete a zero Grade if the Grade Center Primary Display is Complete/Incomplete. The pop up error that normally occurs also does not display.	Learn 9.1 Q4 2019 Release <p>SaaS - Fixed (v3700.10.0)	No
<a href="#">000034377</a>	Data Management & Integrations	Learn 9.1 Q2 2017 (3200.0.0), Learn 9.1 Q4 2017 (3300.0.0), Learn 9.1 Q2 2018 (3400.0.0), Learn 9.1 Q4 2018 (3500.0.0), Learn 9.1 Q2 2019 (3700.0.0), Learn 9.1 Q4 2016 (3100.0.0-rel.107+401e, 9.1 SP14 (9.1.140152.0), Learn April 2014 (9.1.201404.160205), Learn October 2014 (9.1.201410.160373), SaaS, Learn 9.1 Q4 2015 (9.1.201510.1171621), Learn 9.1 Q2 2016 (3000.1.0-rel.52+991d)	Import a package from an 9.1 SP8 environment into an 9.1 SP12 test environment. Upon import, observe errors in the bb-services-log (not the detailed import log) related to the import. The errors (displayed below) appear to be related to the registration/unregistration of CMS_RESOURCE_LINK records, which link a file in the content system to a Course and content item for purposes of link tracking and granting Student access to the file.	Learn 9.1 Q4 2019 Release <p>SaaS - Fixed (v3700.10.0)	No
<a href="#">000035540</a>	Course Tools	Learn 9.1 Q2 2017 (3200.0.0), Learn 9.1 Q4 2017 (3300.0.0), Learn 9.1 Q2 2018 (3400.0.0), Learn 9.1 Q4 2018 (3500.0.0), Learn 9.1 Q2 2019 (3700.0.0), Learn 9.1 Q4 2016 (3100.0.0-rel.107+401e, 9.1 SP14 (9.1.140152.0), Learn April 2014 (9.1.201404.160205),	The right side navigation tools for the date selection calendar are not positioned correctly.	Learn 9.1 Q4 2019 Release <p>SaaS -	No

		Learn October 2014 (9.1.201410.160373), SaaS, Learn 9.1 Q4 2015 (9.1.201510.1171621), Learn 9.1 Q2 2016 (3000.1.0-rel.52+991d)		Fixed (v3700.9.0)	
<a href="#">000050935</a>	Users & Role Management, Data Management & Integrations, My Blackboard	Learn 9.1 Q4 2019, Learn 9.1 Q2 2017 (3200.0.0), Learn 9.1 Q4 2017 (3300.0.0), Learn 9.1 Q2 2018 (3400.0.0), Learn 9.1 Q4 2018 (3500.0.0), Learn 9.1 Q2 2019 (3700.0.0), SaaS	If a Student (who's enrolled Courses are disabled) accesses the Last Graded area of My Grades, a error suggesting a System Role issue is incorrectly displayed.	Future Reference	No
<a href="#">000047540</a>	Grade Center, Extensions	Learn 9.1 Q2 2017 (3200.0.0), Learn 9.1 Q4 2017 (3300.0.0), Learn 9.1 Q2 2018 (3400.0.0), Learn 9.1 Q4 2018 (3500.0.0), Learn 9.1 Q2 2019 (3700.0.0), Learn 9.1 Q4 2016 (3100.0.0-rel.107+401e, SaaS, Learn 9.1 Q2 2016 (3000.1.0-rel.52+991d)	Selecting Reconcile Marks for a delegated grading assignment in Grade Centre generates the message "Failed to Load Reconciled Marks".	Learn 9.1 Q4 2019 Release - SaaS - Fixed (v3700.9.0)	No

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