# Blackboard

**Cumulative Update 5 for Blackboard Learn, 9.1 Q4 2019**

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**Product:** Blackboard Learn

**Information:**
**Blackboard is pleased to announce the availability of Cumulative Update 5 for the Blackboard Learn 9.1, Q4 2019 Release (Build: 3800.0.5-rel.26+874a2ce ).**

## Resolved Issues:

Cumulative Update 5 for Blackboard Learn 9.1, Q4 2019 includes resolution to the following issues:

- SoapUI Web Services is Failing when Transferring Course Grades to PeopleSoft - Article #51820
- Editing a Deep Link in an Original Course that was Created through LTI 1.3 Managed Placement Removes Custom Parameters Set by the Deep Link Response - Article #51749
- Outcomes Goals and Assessments Missing Data in Report - Article #52470
- Outcomes Goals and Assessments Missing Data and Evaluation Percentage Shows as Incomplete - Article #51997
- SIS Integration Stops Processing Feed Files - Article #52441
- SIS Stopped Running After Upgrade - Article #52535
- Assessment Images and Other Attached Files Cannot be Viewed While Inside a Test After Display Until Time - Article #41338
- Assignment Download Functionality can Cause Quick and Unexpected Disk Usage on App Servers - Article #51495
- Under LDAP Advanced Settings, a configurable Read Timeout setting has been added.  The timeout limit will terminate requests that take too long getting a response from the LDAP server.

## Change Management Resources:

- **Self-hosted clients** may download the latest build on the Download Files page.

**Before applying the Cumulative Update, please take a system backup and make sure you have a backup plan in place. The installer is run at the command line, using Gradle, Maven, and an installer properties file. This also requires your system to be down for the upgrade/install. Further installation instructions can be found here.**

- **Managed Hosting clients** may submit a case on Behind the Blackboard to schedule implementation of this release.

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

Existing Blackboard Learn, Release 9.1 clients can upgrade from the following versions to 9.1 Q4 2019 CU5 (Build: 3800.0.5-rel.26+874a2ce )

- Blackboard Learn 9.1 Q4 2019
    - 9.1 Q4 2019 Cumulative Update 4 (Build: 3800.0.4-rel.9+8bf5305)
    - 9.1 Q4 2019 Cumulative Update 3 (Build: 3800.0.3-rel.12+b4d1082)
    - 9.1 Q4 2019 Cumulative Update 2 (Build: 3800.0.2-rel.6+f954336)
    - 9.1 Q4 2019 Cumulative Update 1 (Build: 3800.0.1-rel.42+75c791f)
- Blackboard Learn 9.1 Q2 2019
    - 9.1 Q2 2019 Cumulative Update 10 (Build: 3700.0.10-rel.12+2ad3637)
    - 9.1 Q2 2019 Cumulative Update 9 (Build: 3700.0.9-rel.14+4205da6)
    - 9.1 Q2 2019 Cumulative Update 8 (Build: 3700.0.8-rel.4+76636a5)
    - 9.1 Q2 2019 Cumulative Update 7 (Build: 3700.0.7-rel.21+54e64bd)
    - 9.1 Q2 2019 Cumulative Update 6 (Build: 3700.0.6-rel.16+b131895)
    - 9.1 Q2 2019 Cumulative Update 5 (Build: 3700.0.5-rel.21+dfdd268)
    - 9.1 Q2 2019 Cumulative Update 4 (Build: 3700.0.4-rel.20+ded7cc5)
    - 9.1 Q2 2019 Cumulative Update 3 (Build: 3700.0.3-rel.35+ec64a31)
    - 9.1 Q2 2019 Cumulative Update 2 (Build: 3700.0.2-rel.36+fbf2221)
    - 9.1 Q2 2019 Cumulative Update 1 (Build:3700.0.1-rel.29+a963bd8)
- Blackboard Learn 9.1 Q4 2018
    - 9.1 Q4 2018 Cumulative Update 12 (Build: 3500.0.12-rel.2+9ac85d6)
    - 9.1 Q4 2018 Cumulative Update 11 (Build: 3500.0.11-rel.12+e662b2)
    - 9.1 Q4 2018 Cumulative Update 10 (Build: 3500.0.10-rel.27+b7718ce)
    - 9.1 Q4 2018 Cumulative Update 9 (Build:3500.0.9-rel.12+78adef1)
    - 9.1 Q4 2018 Cumulative Update 8 (Build: 3500.0.8-rel.13+ba67594)
    - 9.1 Q4 2018 Cumulative Update 7 (Build: 3500.0.7-rel.34+6f3e777)
    - 9.1 Q4 2018 Cumulative Update 6 (Build: 3500.0.6-rel.16+7744aa6)
    - 9.1 Q4 2018 Cumulative Update 5 (Build: 3500.0.5-rel.48+1fc210f)
    - 9.1 Q4 2108 Cumulative Update 4 (Build:3500.0.4-rel.19+9180e36)
    - 9.1 Q4 2018 Cumulative Update 3 (Build:3500.0.3-rel.26+06aa766)
    - 9.1 Q4 2018 Cumulative Update 2 (Build:3500.0.2-rel.32+19c67cc)
    - 9.1 Q4 2018 Cumulative Update 1 (Build:3500.0.1-rel.59+219b76)

If you are a self-hosted client on a Blackboard Learn 9.1 release prior to 9.1 Q4 2018, you will need to upgrade to at least 9.1 Q4 2018 before you can upgrade to Learn 9.1 Q4 2019 CU5.

Note that for 9.1 installers, the build number 3600.0 was skipped--Q4 2018 was 3500.0 and Q2 2019 was 3700.0. 3600.0 was shipped for SaaS, but skipped for 9.1 installers due to changes in included features for the release.

## 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) > Q4 2016 (Build:3100.0) > Q4 2017 (Build:3300.0) > Q4 2018 (Build: 3500.0) > Q4 2019 CU5
- **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) > Q4 2016 (Build:3100.0) > Q4 2017 (3300.0) > Q4 2018 (Build: 3500.0) > Q4 2019 CU5
- **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.

For a more detailed explanation of the all the changes and new features included with this release, please reference the 9.1 Q4 2019 GA Release Notes and related documentation.