Overview
The objective of the Authentication Framework Technical Knowledge Transfer (TKT) service is to assist the Client in configuring the Blackboard Learn™ software to integrate with their current LDAP, CAS, or Shibboleth Identity Provider infrastructure such as Active Directory Federated Services (ADFS), etc. by providing a remote mentored engagement to meet the following outcomes:

- Provide Knowledge Transfer so that the Administrators understand the functionality and capabilities of the Blackboard Learn™ Authentication Framework.
- Working configurations of the desired LDAP, Shibboleth (AFDS), or CAS Authentication in the Customer’s test and (optionally) production Blackboard Learn systems.

Workshop Topics:

**Week 1**

- Setup, Engagement Preparation, Review of SOW/scope, pre-service questionnaire to client at start of engagement)
- Internal Scope & Coordination Call, pre-service questionnaire review
- Requirements and Design
  - Work with the client to determine business requirements and fill out worksheet
  - Provide Authentication Overview to client
- Implementation
  - Configure and document Blackboard’s authentication module for authentication via CAS, Shibboleth, or LDAP – address fallback
  - Help install any necessary plugins (i.e., Shibboleth plugin for Apache / IIS)
  - Help configure authentication provider in Bb
  - Work with customer to configure key configuration files against their environment (i.e., shibboleth2.xml, attribute-map.xml, attribute-policy.xml, etc.)

**Week 2**

- Continued Implementation
  - Customize login page per requirements for displaying CAS URL, redirecting to the CAS login page, etc.
    - Note: Assumes minimal changes to the login page. Examples might include adding functionality to auto-redirect to Shibboleth unless an override parameter is passed or changes to CAS or Shibboleth on the page.
  - End to end testing of authentication Identity Provider such as ADFS or LDAP and troubleshoot (includes testing WebDAV, Mobile, etc.)
  - Configure fallback methods as needed.
- Production Deployment
  - Perform configuration on production system during a scheduled outage
- Engagement Close-Out
Who Should Participate
Novice or Intermediate Blackboard Administrators using Blackboard Learn™ who meet the following requirements:

- Basic level or above understanding of Blackboard Learn functionality

Duration and Costs

- 2 Weeks Duration (Remote)
- $16,000 USD

Location

- Remote Knowledge Transfer and Mentored Configuration

Pre-Requisites

- Client has Administrator level access to a Blackboard Learn™ environment, both at the application and database levels.
- Client either currently using CAS or Shibboleth or with the intent to implement a CAS or Shibboleth infrastructure prior to this engagement.
- Client must have a functioning CAS or Shibboleth Identity Provider environment such as ADFS and can make this system network accessible to each Blackboard system.
- Client environment is not federated and the only attribute released to CAS or Shibboleth module is the username (i.e. updates of other user attributes such as first name, last name, email, etc. will not be performed by the custom authentication module).
- The Client will configure the CAS or Shibboleth/AFDS infrastructure. Blackboard will assist in providing guidance in the configuration required.

For any questions, please email training@blackboard.com or contact your Blackboard Account Executive.