



ASSESSMENT EVALUATION AND STANDARDIZATION (AES)

Defend Cyber Moodle Learning Management System Quick Start Guide

CISA Vulnerability Management (VM) Branch

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U.S. Department of Homeland Security Cybersecurity and Infrastructure Security Agency

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1 Introduction

This guide provides step-by-step instructions for registering for and administering your Moodle account, as well as working in Moodle to complete Assessment Evaluation and Standardization (AES) prerequisites and courses in the Defend Cyber Moodle Learning Management System (LMS).

Note: This guide refers to two systems:

- Defend Cyber Moodle, also referred to as "Moodle," the AES Training Program LMS; and
- Identity, the authentication management service required to access Moodle.

2 Registering for a New Moodle Account

Follow the instructions below to register for a new Defend Cyber Moodle account. If you have an account from your application to a previous AES training course, do not create another account. Instead, Follow the instructions in <u>Chapter 4</u> to log in to your existing account. Email <u>AEStraining@hq.dhs.gov</u> if you have questions about your account.

Note: You must have access to email to create a Moodle account.

1. Go to the Defend Cyber Moodle Learning Management System website, <u>https://moodle.defendcyber.us</u>, then click the **Identity** button. The Identity authentication management service opens. This service enables you to access Moodle.



2. In the Identity **Defend ID** window that opens, click **Register for an account** on the bottom right.

Defend ID	
Serving OpenId Connect Identity	
	Login
2	Credentials
	Email
	Password
	C Remember My Login
	Continue
	Reset my password Register for an account

3. In the **Email** field in the **Register** window, enter your email address, then click the **Send Verification Code** button.

Defend ID		
Serving OpenId Connect Identity		
		Register
	Email	
		.com .gov .mil .org .edu Send Verification Code
		I have a code

It may take up to 10 minutes for you to receive an email from DefendCyberSupport with the verification code. If you do not receive an email, check your junk or spam folder. If you click **Send Verification Code** a second time, use the new code you receive. The previous code is no longer valid.

 5	ୀ ପ	∳ =	Verifi	ication Code - Message (Plain Text)	
File	Message	Help	Acrobat	${igodoldsymbol Q}$ Tell me what you want to do	
DS To	Tue 4/20/2 DefendC Verificatio	021 1:32 PM Jyber Sup n Code	ı port <cyb< td=""><th>perforce-support@sei.cmu.edu></th><td>^</td></cyb<>	perforce-support@sei.cmu.edu>	^
Verificat	ion Code: :	163000			

4. In the **Code** field in the **Register** window, enter the six-digit number you received, then click the **Confirm** button.

- 5. In the **Password** field, enter the password you want to use to log in to the Moodle learning management system, then enter it a second time in the **Confirm Password** field and click the **Register** button. Your password must contain:
 - at least eight characters
 - at least one uppercase letter
 - at least one lowercase letter
 - at least one number
 - at least one symbol

Password	ł
Confirm	Password
At least	3 characters containing uppercase and lowercase letters, numbers, and symbols
	Decistor

Note: If the message **Account already exists** appears, the email address you provided is already registered. To log in, use the email address and follow the steps in <u>Chapter 4</u>. If you forgot your password, click **Reset my password** then follow the instructions to reset your password.

Register
Account already exists
Send Verification Code
I have a code

6. In the **Consent moodle** window, click the **Continue** button. The Moodle learning management system opens. In the Moodle **Edit Profile** page, complete the fields, then click the **Update Profile** button.

E CYBERSECURITY & INFRASTRUCTURE SECURITY AGENCY	
(?) Dashboard	
	© Message
🖽 Calendar	
Sertificates	Dashboard Preferences User account Edit profile
D Private files	
	ν <u>τ</u> .
	• General
	First name ①
	Last name
	Email address

These eight fields are required:

- In the General section
- First name
- Last name
- Email address

General		
First name	0	
Last name	Ū	
Email address	0	

In the Other fields section

- Agency/Organization
- Sub-agency/Sub-organization
- Are you an associated/affiliated HACS vendor?
- Critical Infrastructure Sector
- Point of Contact (email address only)

 Other fields 	
Agency/Organization	0
Sub-agency/Sub-organization	0
Are you an associated/affiliated HACS vendor?	① Choose ◆
Critical Infrastructure Sector	① None +
Point of Contact (email address only)	0

For example, if you are an employee of the National Oceanic and Atmospheric Administration (NOAA), the **Other fields** section may look like this:

 Other fields 		
Agency/Organization	0	Department of Commerce
Sub-agency/Sub-organization	0	NOAA
Are you an associated/affiliated HACS vendor?	0	No 🗢
Critical Infrastructure Sector	0	Energy +
Point of Contact (email address only)	0	mysupervisorsemail@noaa.gov

For a description of critical infrastructure sectors, visit the CISA website.

7. In the Preferences window, click an item to set your preferences.

relefences	
User account	
Edit profile	
Preferred language	
Forum preferences	
Editor preferences	
Course preferences	
Calendar preferences	
Message preferences	
Notification preferences	
Linked logins	

3 Navigating in the Moodle Learning Management System

You can use the following menu commands to navigate in the Moodle site from any Moodle window:

• In the left vertical menu, click the three horizontal lines in the top left to collapse and expand the menu.



• In the left vertical menu, click the icons to navigate to the corresponding pages:



- Dashboard: navigate to the CISA AES Program Dashboard.
- Site Home: navigate to the list of CISA AES Program courses.
- Calendar: manage to your personal calendar.
- **Certificates**: view your list of CISA AES Program certificates.
- Private files: manage your CISA AES Program files.

• In the top-right of any page in Moodle, click the down arrowhead, then click the page you want:



- Dashboard: navigate to the CISA AES Program Dashboard.
- **Profile**: navigate to your profile page.
- Grades: view your course grades.
- **Messages**: read your Moodle system messages.
- Preferences: navigate to the CISA AES Program Preferences your CISA AES Program files.
- Log out: log out of the Moodle learning management system.

4 Logging In and Out of Moodle

After you complete the registration steps in <u>Chapter 2</u> and have your new Moodle account or, if you have an existing Moodle account, follow the instructions below to log in and log out.

Log In to Moodle:

Go to the Defend Cyber Moodle learning management system website, , click the **Identity** button, then click the **Continue** button.



Log Out of Moodle:

In any Moodle window, click the down arrow in the top-right dropdown menu, then click Log out.

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ম			
0	Dashl	board	
ይ	Profile		
	Grades		
9	> Messages		
ß	Preferences		
Ģ	Log o	ut	

5 Enrolling in AES Prerequisites

All applicants must complete and pass the AES Candidate Evaluation (CE) Prerequisite before they can enroll in a course. All AES RVA applicants must first complete and pass the AES Operator Skills Test (OST) Prerequisite, then complete and pass the AES CE Prerequisite before they can enroll in an AES RVA course.

Log in to the Moodle learning management system, then follow the instructions below to enroll in an AES Prerequisite.

1. In the AES Dashboard window, click Site Home in the left menu.



2. Click the course name; alternatively, click the ACCESS button below the course name.

Note: To hide or view the name of a prerequisite course, click the down arrow Collapse all or Expand All on the right.



3. In the Enrollment Options window, click Enroll Me.



4. Read and review the information and documents on the AES prerequisite course page to prepare for the CE or OST.

FY24 Candidate Eval	luation Prereq 💩 -
Dashboard My courses FY24 CE Pren	eq
Introduction	Your progress③
Thanks for your interest in becc Moodle Learning Management required for the prerequisite an questions or experience issues, AESTraining@hq.dhs.gov.	oming an AES assessor. The System hosts all materials Id course. If you have email
The AES Training Process consis you must pass before having a Candidate Evaluation Prerequis	sts of 7 steps, each of which iccess to the next. The AES site is step 3 in the process.
AES Training Process	
	Course
Prerequisites	4 Instruction and Exercises
1 Orientation	5 Capstone Exam
Q v v S Candidate Evaluation	6 Course Completion
Ja ^{3a} RVA Operator Role Only – Operator Skills Test	7 Certificate of Qualification
Background M	aterials
This section contains background materials o	about the AES Training Program.
Background Materials	\sim

- 5. When you are ready to take the CE or OST, do the following:
- To take the CE exam, click the name or the red AES Candidate Evaluation (CE) Exam button.



• To take the OST exam, click the name or the red AES Operator Skills Test (OST) button.



6 Enrolling in an AES Course

After you complete and pass the AES Candidate Evaluation (CE) Prerequisite and the AES Operator Skills Test (OST) Prerequisite (AES RVA applicants only), follow the instructions below to enroll in an AES training course.

1. In the AES Dashboard window, click Site Home in the left menu.

E CYBERSECURITY & INFRASTRUCTURE SECURITY AGENCY	
Dashboard A site home Calendar	Cybersecurity & Infrastructure Security Agency (CISA) AES Program Moodle
Sertificates Drivate files	Courses

- 2. Click a course name, then select an available course date.
 - **Note:** To hide or view the name of a prerequisite course, click the down arrow **Collapse all** or **Expand All** on the right.

Cyberse Security Moodle	ecurity & Infrastructure Agency (CISA) AES Pro	gram
	Courses	▼ Collapse all
- AES FY24		
Prerequisi	ite Courses	
▷ CRR EDM		
► HVA		
▷ IMR		
▶ Operator		

3. Click the course name or the Access button to enroll in a course. The Moodle course page opens.



Note: Some course materials on the course page are unavailable until the course start date or later.

4. Click Enroll me,

A message appears on the screen, confirming your enrollment. Moodle sends you an enrollment confirmation email.

7 Launching an AES Course

To launch an AES course after your enrollment, log in to the Moodle learning management system, then do one of the following:

• In the AES Dashboard window, click **Site Home** in the left menu. Click a course name, then select the course you enrolled in.



• Alternatively, in the AES Dashboard window, click **My Courses** in the left menu, then select the course you enrolled in.



8 Updating Your Identity Profile

Follow the instructions below to update your profile in Moodle.

Change Your Moodle Credentials

- 1. Go to the Defend Cyber Moodle Learning Management System website, , click the button **Identity**, then do the following in the Defend ID Consent window:
- 2. Click Profile.



3. In the Profile window, click Credentials.

Profile	
No comment.	
Edit	
Credentials Configure 2FA	

- 4. In the Profile Credentials window, enter the appropriate information:
 - To change your Moodle email address, enter the new email address, click **Send Verification Code**, enter the numbers you receive in a verification code email in the **Code** field, then click **Submit**.
 - To change your Moodle password, type your current password in the **Current** field, type your new password in the **New Password** field, type your new password again in the **Again** field, then click **Submit**.

Change Your Moodle Login Name, Status, Organization, Unit, Logos, and Avatar

- 1. Go to the Defend Cyber Moodle Learning Management System website, , click the **Identity** button, then click **Continue**.
- 2. In the **Updating Your Profile** section in the **CISA AES Program: Dashboard** window, click the Defend Cyber link, .
- 3. Click Profile.



4. Click Edit.



5. In the **Edit-Profile** window, enter the text you want to change, or click **Change** to update a service logo, avatar, or unit logo. Follow the prompts to save your updates.

F	Profile	
/ / Edit-Profile		
1		
Bio/Status		
Organization		
Unit		
Org		Unit
Service Logo	Avatar	Unit Logo
Change	Change	Change

6. To return to the Moodle learning management system, click Home in the top left, then click **moodle** in the bottom right.

9 Configuring Two-Factor Authentication (2FA) With Your Moodle Account

Follow the instructions below to configure two-factor authentication (2FA) in Moodle. Two-factor authentication is useful when you want to log in to your Moodle account from a remote location.

- Go to the Defend Cyber Moodle Learning Management System website, <u>https://moodle.defendcyber.us</u>, click the button Identity, then do the following in the Defend ID Consent window:
- 2. Click Profile.



3. In the Profile window, click Configure 2FA.



4. The **2FA Profile** window displays instructions for using a Time-based One Time Password (TOTP).



5. Click Generate, then enter the appropriate information:



10 Getting Support

For assistance with Defend Cyber Moodle LMS, to report a problem, or to provide feedback, contact us by email at <u>AESTraining@hq.dhs.gov</u>. Include as much detail as possible, including the specific lesson in the course, system element(s) involved, and error messages that appeared.