Something you know
+
Something you have

Open Forum
March 20, 2018
ENTER USERNAME & PASSWORD AS USUAL

USE YOUR DEVICE TO VERIFY YOUR INFORMATION

SECURELY LOGGED IN
Surviving the Aftershocks of a Cyberattack: Coordination, Communication, and Where to Get Help

Everyone is at risk of a cyberattack. Events such as the breach of sensitive information, denial-of-service attacks, and ransomware make front-page news, disrupt services, steal time from overworked staffers, and damage reputations. From widespread "spray and pray" exploit techniques to targeted attacks, many IT leaders say it's no longer "if a cyberattack happens but "when." Protection and planning are the keys to prevention.

“After Duo was added, no more accounts were compromised.”

— Don Winsor, DCO Coordinator & Adjunct Professor, University of Michigan

Michigan State University Hacked, Student Data Stolen

Academic Computing and Network Services
Duo Rollout Trend
Emory University (typ.)
You’re Doing it Now

• Bank ATM’s: Have=Card + Know=PIN
• Mobile Phone with passcode, fingerprint, or facial recognition: Have=Phone + Biometric
• Amazon: Know=Login + Have=cell or email
• Financial Institutions: Know=Login + Have=Cell or email
Universities using Duo

• Already in use at many universities. CSU is one of the last R1’s to adopt.
<table>
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</table>

RUCC Survey (Aug. 2016)
Research University CIO Conclave
Duo Current Mandatory Use

Academic Computing and Network Services
Scope

Phase I - By April 25:
Anyone connecting remotely through secure.colostate.edu or using the Pulse Secure Client will be required to authenticate with duo.

Later (unplanned at this time):
DUO will be enabled on other campus applications like Kuali Finance, HR, Aries/Banner (AriesWeb, RamWeb...), eID, Office365, etc.
Timeline

• Last 2 years: In use in ACNS and for eID Admins.
• Feb 1-9: Pilot with IS
• Feb 22-28: Pilot with the Library and a few others
• March 19: Open for campus device registrations and testing: No production logins will be challenged
• April 25: Required for Remote Access
Agenda for Today

- What do you need to do
- Where can you go to learn how
- Walk through the process
- Where can you get help
- Demo
What You Need to Do/Know

• Decide what your second factor will be:
  – Smartphone
  – Landline
  – Hardware Token

• Download the DUO Mobile App (Smartphone only)

• Register your device(s)
Duo: Two Factor Authentication

Something you know + Something you have

Duo Two-Factor Authentication is coming to CSU beginning April 25, 2016.

How Do I Sign Up?

You can start registering your second-factor device(s) beginning Monday, March 19, 2018. At this time, you can register the following devices:

- Your Smartphone (Recommended): You will need to download the Duo Mobile App from your phone’s store, and we recommend that you do this before registering your phone. This method will allow Duo to push a message to your phone where you can verify your identity by pressing on the green checkmark presented. You can also generate a six-digit code using the Duo App that can be entered as a validation of your identity.

- Any Phone Number: You can register your cell phone, desk phone, home phone, etc. and the system will call you to validate your identity.

- A hardware token: These can be purchased from RamTech for $23.75 and will generate a six-digit code that you can use.

Sign-up/Modify Devices
Register Your Device

- Smartphone – Add and Connect DUO App from your phone. Use Push, Call or a Code
- Hardware Token – Purchase for $23.75 at RamTech and they will register it for you.
- Landline/Phone Call – Can be cell phone, home phone, desk phone.
  - Use this as a last resort as there is a 0.1¢/call charge
Hardware Tokens
Register Your Device: From Your Computer

Two-Factor Device Activation

<table>
<thead>
<tr>
<th>Device Name</th>
<th>Number</th>
<th>Platform</th>
</tr>
</thead>
<tbody>
<tr>
<td>Dave's iPhone</td>
<td>+19702272379</td>
<td>Apple iOS</td>
</tr>
</tbody>
</table>

Once created, devices need to be linked to your account. Launch the Duo Mobile App on your device, click the "+" icon at the top right, then scan the image below.

![QR Code](image.png)

Windows Phone 7
unknown
Register Your Device: FromYourPhone

DUO New Device Alert

csueid@colostate.edu <csueid@colostate.edu>
Hoffman, Dave
Monday, March 19, 2018 at 8:28 AM
Show Details

A new device has been registered to your DUO two-factor-authentication. If you did not register a new device, please contact the helpdesk at 491-7276
Register a backup device!

- In case you lose or forget your primary device, it’s good to have a backup device registered.
  - Desk Phone
  - Home Phone
  - Hardware Token
  - Another Cell phone
  -
# Two-Factor Authentication

Two-factor authentication makes your account more secure by requiring an additional piece of information beyond your username and password. When you log in to Colorado State University using [https://www.secure.colostate.edu](https://www.secure.colostate.edu) or using the Pulse Secure desktop or mobile client, you will be required to validate your login credentials using a device you are in possession of. This is done by using the Duo Mobile app on your smartphone, receiving a phone call, or generating a six-digit key from a hardware token.

## View Help Document

### Opt In

- Enable Two-Factor Authentication

<table>
<thead>
<tr>
<th>Device Name</th>
<th>Number</th>
<th>Extension</th>
<th>Platform</th>
<th>Activated</th>
<th>Action</th>
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<td>Dave’s iPhone</td>
<td>19702272379</td>
<td></td>
<td>Apple iOS</td>
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<td>reactivate</td>
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</table>
Login to secure.colostate.edu
Login: From you phone
Login with Pulse Secure Desktop Client
Will it Work Overseas?

Yes, If:

• You have an international data plan on your smart phone
• You have a Foreign Phone number which can be registered by entering + and the country code in the Duo Self-Service screen
• You have a hardware token
• You generate several one-time codes from the helpdesk
Will it work if I don’t have WIFI or Cell Service?

Yes!

Generating a code does not require WIFI or Cell Service
Help!

• Central IT Technical Support Helpdesk:
  – 491-7276
  – Help@colostate.edu

• Open Forums: Library Event Hall
  – Tuesday, March 20.  1:00 pm
    • Drop-In Help right afterward in Room 173
  – Friday, April 13.  9:00 am
  – Drop-In Help the week of April 23-27
Can I Start Using Now?

• From your web browser
  – Use secure.colostate.edu/duo

• Create a new Connection in Pulse Secure:
  – Add secure.colostate.edu/2fa as the server

Otherwise you won’t be asked for your second factor until April 25th.
Demo

• Add a Device
  – Smartphone
  – Landline
• Login using DUO