BCNET Shared IT Services for Higher Education & Research

Conference 2018

Planning a campus-wide deployment of multi-factor authentication

Sean Feil University of Calgary

Live Demo





Sean Feil

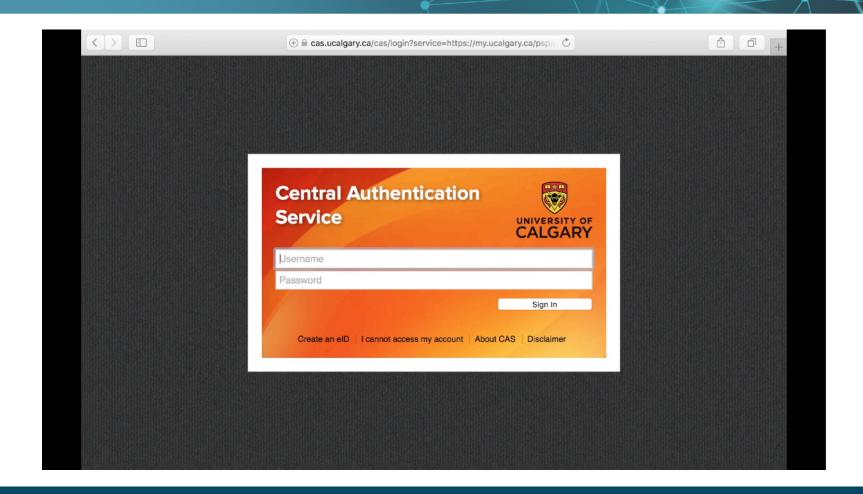
Identity, Messaging, and Middleware

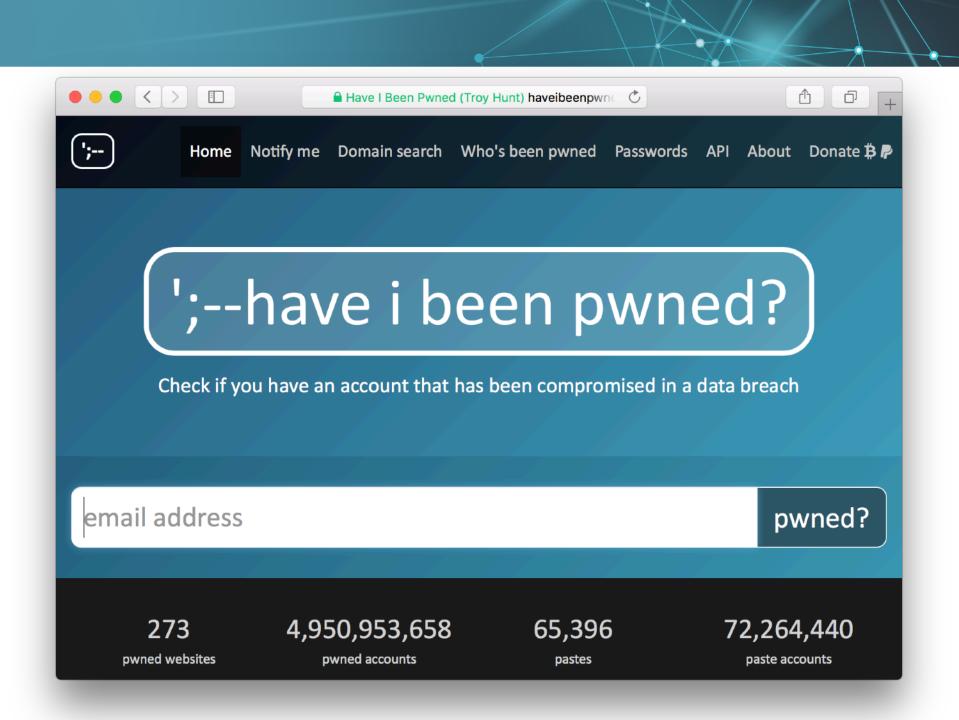


UNIVERSITY OF CALGARY Information Technologies

⊕	algary.ca/psp/ Č	6.0	
Central Authentication Service			
Service	CALGARY		
Username			
Peseword	din te		
	Sign In		
Create an eID I cannot access my account About	CAS Disclaimer		





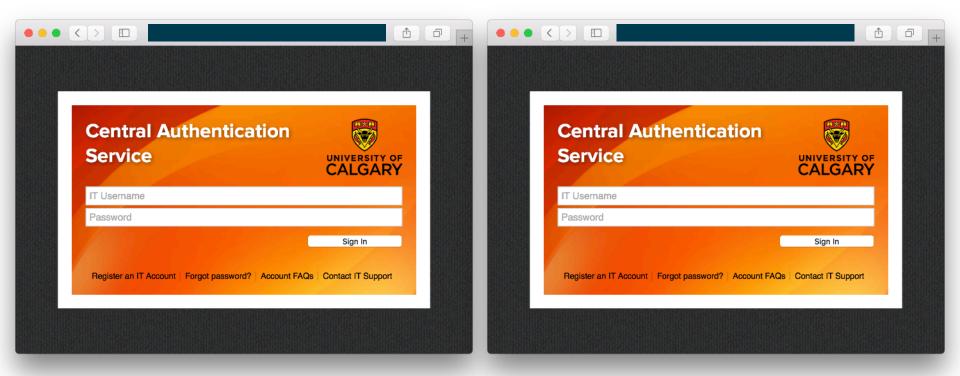


Hello Sean, Welcome to myUofC

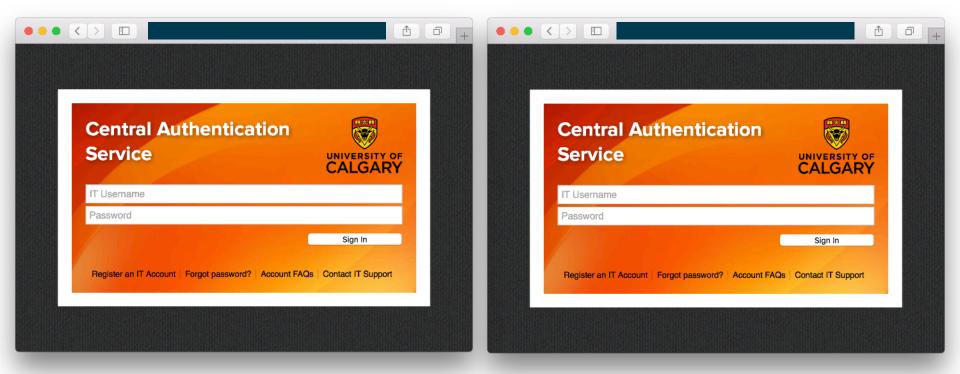


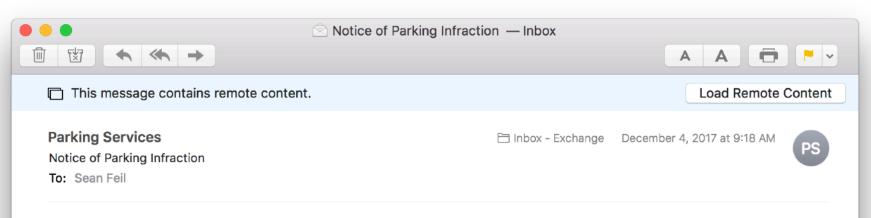
		Das
Direct Deposit		
Change Direct Depos	sit	
Sean Feil		
Your Bank Information		
	Review Sample Cheque BEFORE entering Banking Information	
Bank ID	001	
Branch ID	00123	
Distribution Instructions		
0.		
	Edit Account Number	
Account Number	XXX1234	
Retype Account Number		
*Account Type	Checking \$	
*Deposit Type	Balance of Net Pay	
*Deposit Order	1 (Example: 1 = First Account Processed)	

To: president@	ucalgary.ca ~				
Cc:					
Bcc:					
Subject:					! \$
			Signature:	None	\$
Dear Dr. Cannon Let me tell you					
 Sean Feil IMM - Identity, Inforr	nation Technologies, Ur	niversity of Cal	gary		



https://feducalgary.wix.com





Hello,

Our annual year-end review of tickets issued, indicates that you currently have an outstanding parking fine.

Ticket: #0034296527 Infraction: 15.5 – PARKING INCORRECTLY IN A LOT

As such, we require you to pay the existing balance listed below before December 6, 2017. Please note if the ticket remains unpaid then the right to park on campus is suspended and the vehicle is subject to towing and impoundment. To pay the ticket please follow the instructions below:

Amount Owed	\$60.00
Amount Recieved	\$0.00
Ticket Amount	\$60.00

Click here to proceed to payment.

If you believe this ticket issued to you was unjustified or in error, please click here for the appeal's link that gives you information on the Grounds for Appeal and the process.

Note: The discount of \$10.00 for payment within 24 hours of notice is st

Parking and Transportation Services

University of Calgary

1833 Crowchild Trail NW, Calgary, AB, T2M 4S7

http:// www.calgaryparking.com.onmlcrosoft.com/? rid=Qr1cmrx

Parking Options for Staff Relocating to SMART — Inbox			
		A A 🖻 🏲 -	
UofC Parking Parking Options for Staff Relocating to SMART To: UofC Parking	🗎 Inbox - Exchange	March 15, 2017 at 1:40 PM	

Good afternoon,

You have been identified as a staff member that is being relocated to the SMART building and you currently have a parking permit through the University.

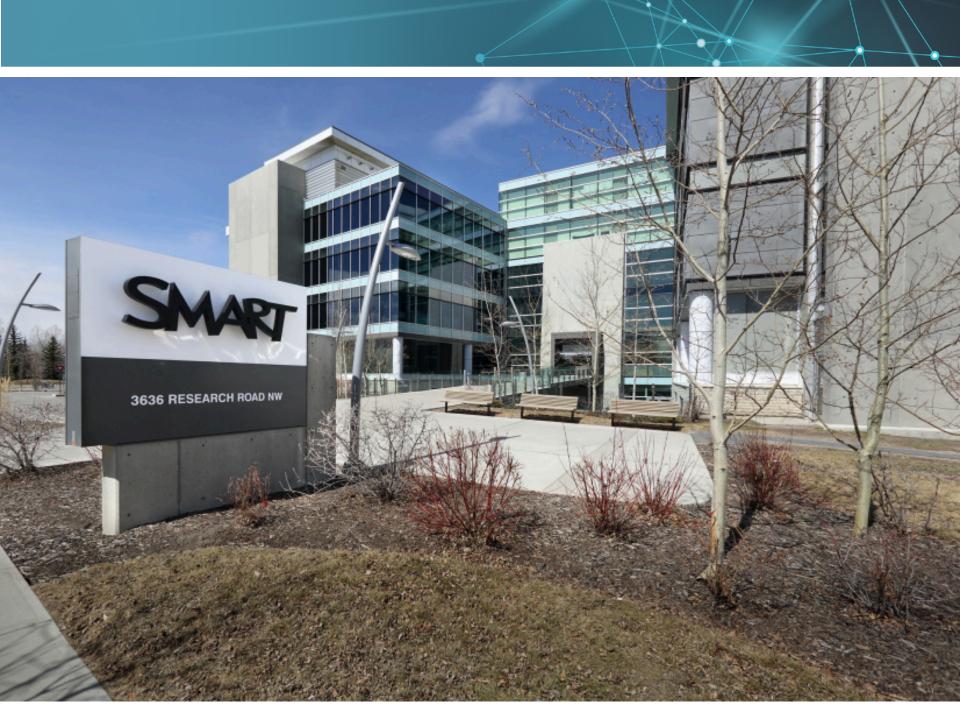
Please find attached the SMART Parking Request form. Complete the form and return to <u>parking@ucalgary.ca</u> by **Friday, March 24, 2017**.

Thank you, Parking and Transportation Services

parking@ucalgary.ca

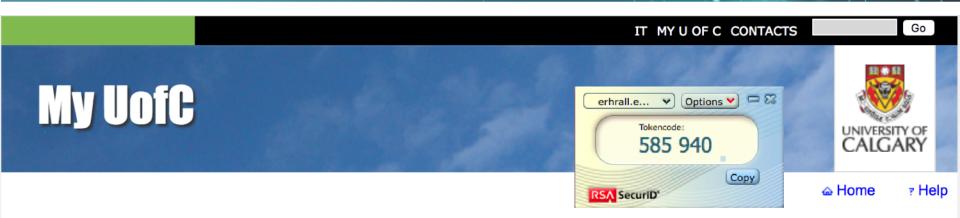
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SMART parking requests.docx









Register for an eID to access MyUofC

Learn how myUofC can improve your experience at the University of Calgary



Click here >

Forgot your password or eID?

Forgot your password? No problem. Just fill out our easy form and we will get you going again ASAP



Click here >

Security & Privacy Information | MyUofC Help

Sign On

WARNING: Protect your confidential information!

I agree to SIGN OFF* when I am finished my Web Applications and Portal sessions:

1. **Sign off*** all Web Applications (such as PeopleSoft, Blackboard, Webmail).

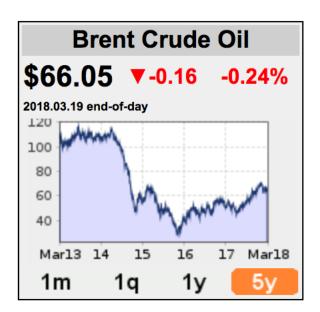
- 2. Sign off* from my Portal (My UofC) session.
- 3. Close all active browser windows before leaving my computer.
- * Sign off does **not** mean just closing the open window -- **I must click on the Sign Off link**.

eID:	Sign Or
Password:	



200 users

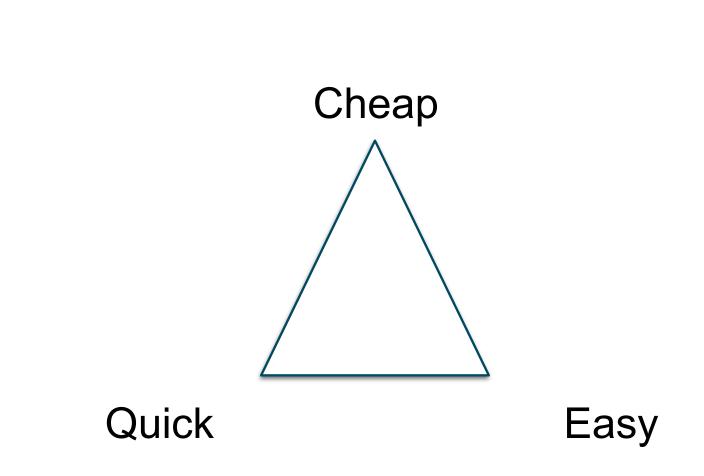




200 users







The user experience



Central Authentication Service	UNIVERSITY OF CALGARY
sfeil	
•••••	
	Sign In
Register an IT Account Forgot password? Account FAQ	s Contact IT Support



Approve sign in i

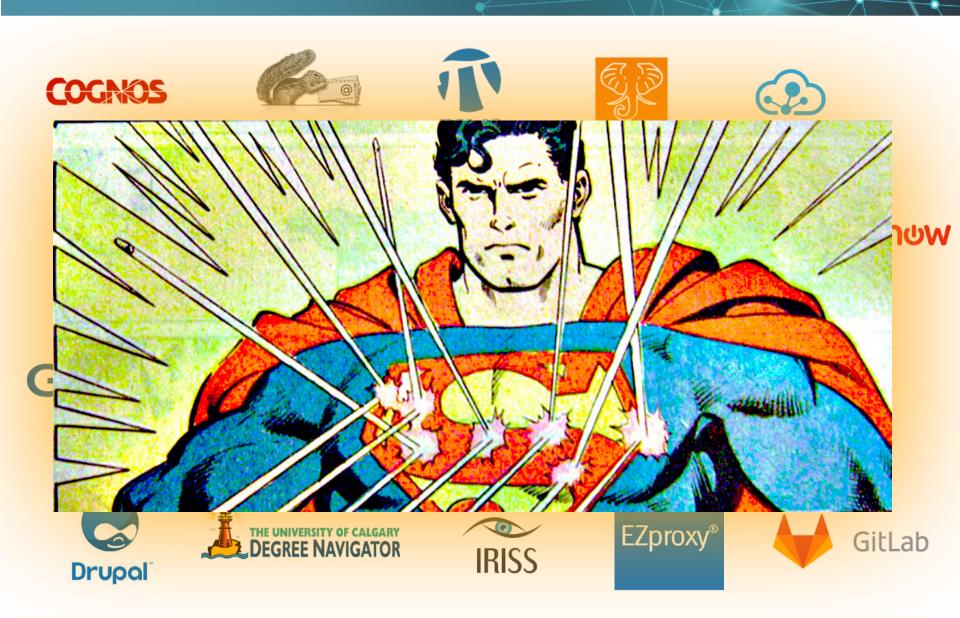
- We've sent a notific Ô device. Please resp
- Don't ask again for \$ Having trouble? Sign in anot
- More information

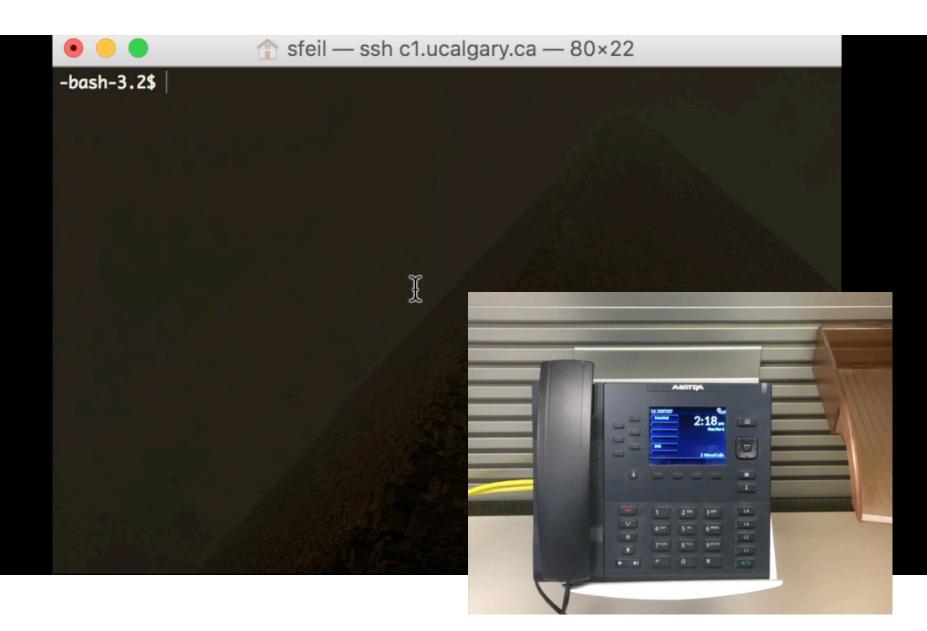
UNIVERSITY OF

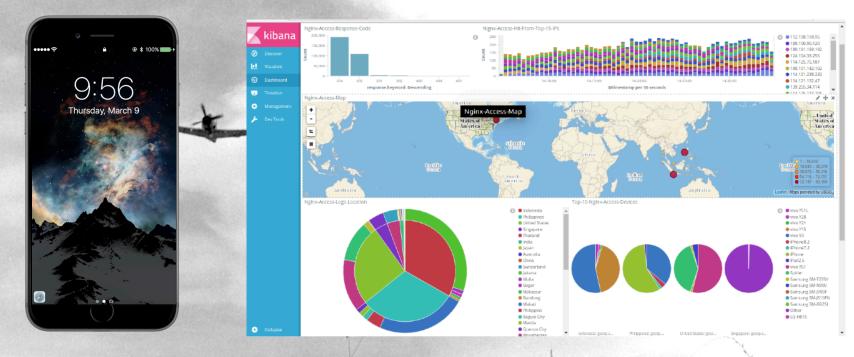
9:56 Thursday, March 9

••••• ?

 \bigcirc



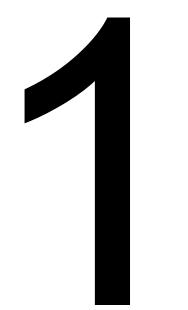


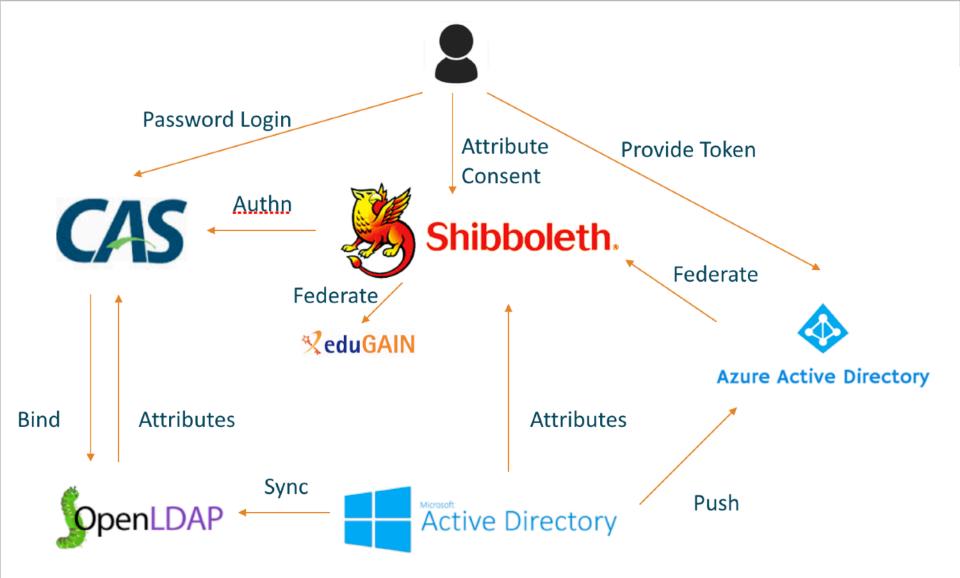






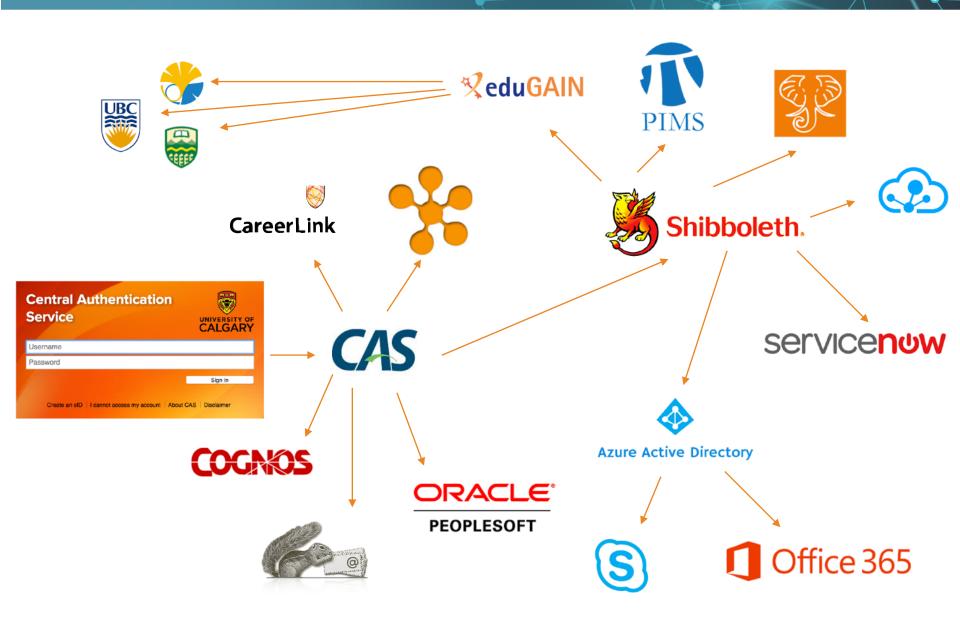
How we got tokens to the masses

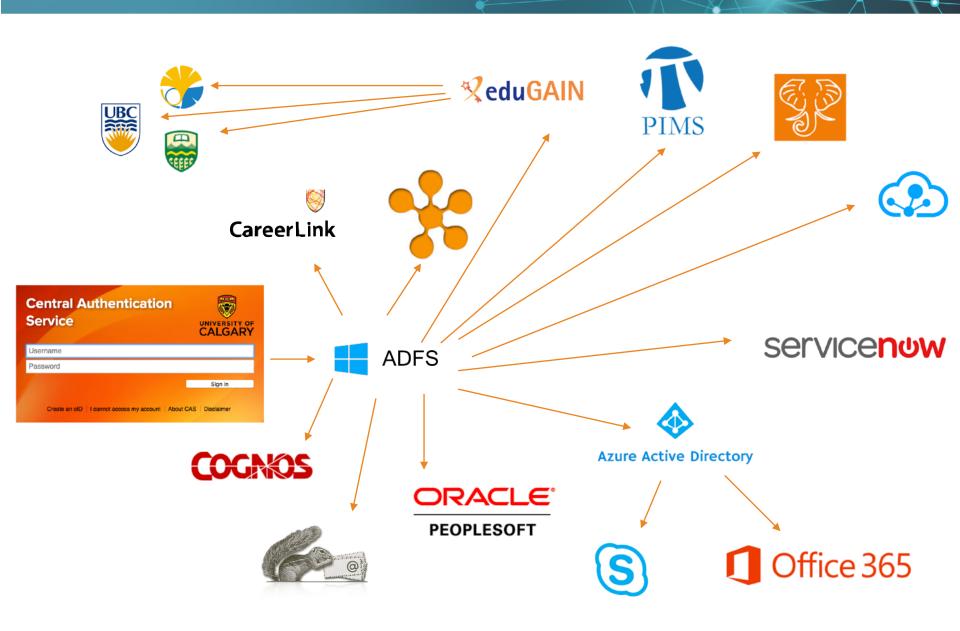






Keeping the "single" in single sign-on















For added security, we need to further verify your account



Your admin has required that you set up this account for additional security verification.

Set it up now

Sign out and sign in with a different account More information

©2018 Microsoft Terms of use Privacy & cookies

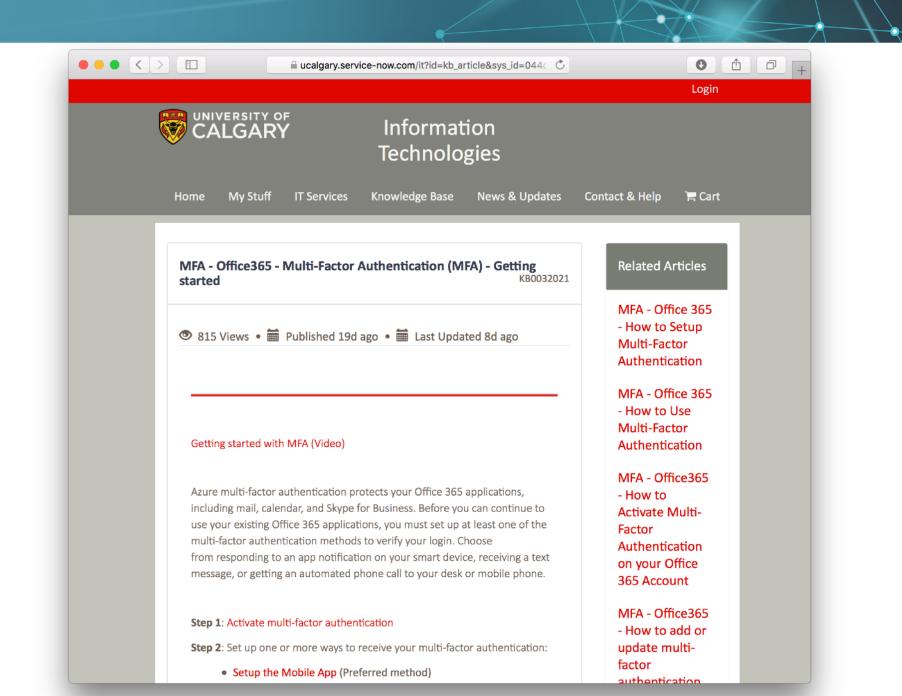






	Sample TEST STUDENTD	sample.teststudentd@ucalgary.ca	Disabled	S Selected
	Sample TEST STUDENTC	sample.teststudentc@ucalgary.ca	Disabled	quick steps
 Image: A start of the start of	erfunddo ertest01	erfunddo.ertest01@ucalgary.ca	Disabled	Enable
<	erawdept ertest03	erawdept.ertest03@ucalgary.ca	Disabled	Manage user settings
	erawfac ertest02	erawfac.ertest02@ucalgary.ca	Disabled	













Multi-Factor Authentication



í	A	S	
	MFA Stats	15-Mar	
	Total Activated by date	36	
	Enforced (at end of day)	32	
	Activated, but not enforced (EOD)	4	
	% complete (EOD)	89%	
	# tickets each day	27	$\overline{}$
	<pre>#tickets / % of activated users (percentage)</pre>	75%	
	# of those that were calls (no incident created)	4	. /
	# of tickets for people activated today		
)			
	TOTAL ACTIVATED OVERALL	688	
2	TOTAL enabled overall (EOD)	16	
3	% Enforced overall (EOD)	98%	-
Ļ	Total # tickets overall	211	
5	% ticket / total activated	31%	





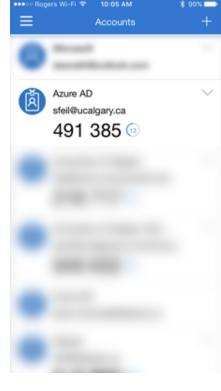


Strategies

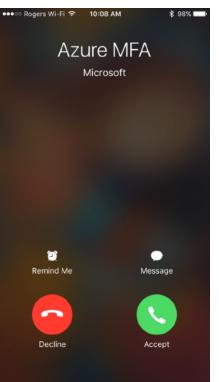






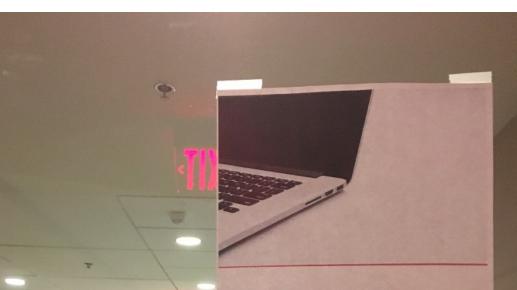














Multifactor Authentication (MFA) will be added to your Office 365 account this week

Need help?

- Review the information on the handout at your desk.
- Visit the IT website at ucalgary.ca/it and search "MFA" under the Knowledge Base tab to find the setup guide.
- Click on Something is broken on the IT website homepage to log a ticket to get assistance.
- Call the IT Support Centre at 403.220.5626, or talk to them online through chat.
- Take your laptop and cell phone to room 1E-055 (the II' Training Lab) between 8:30 and 11:30 a.m. to get face-to-face assistance.

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ucalgary.ca/IT





Usability Testing

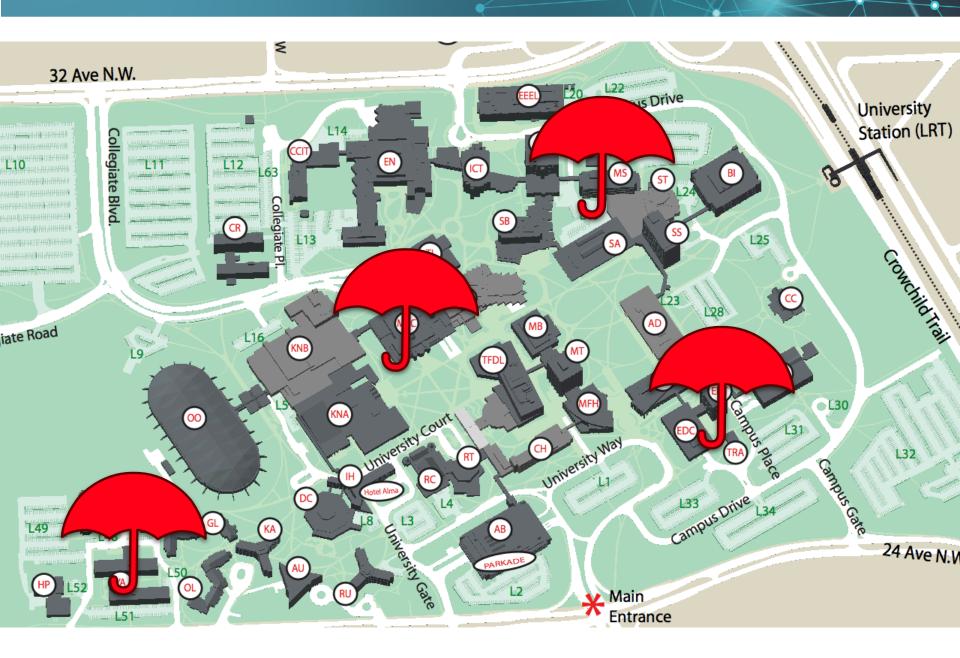
Pain Points

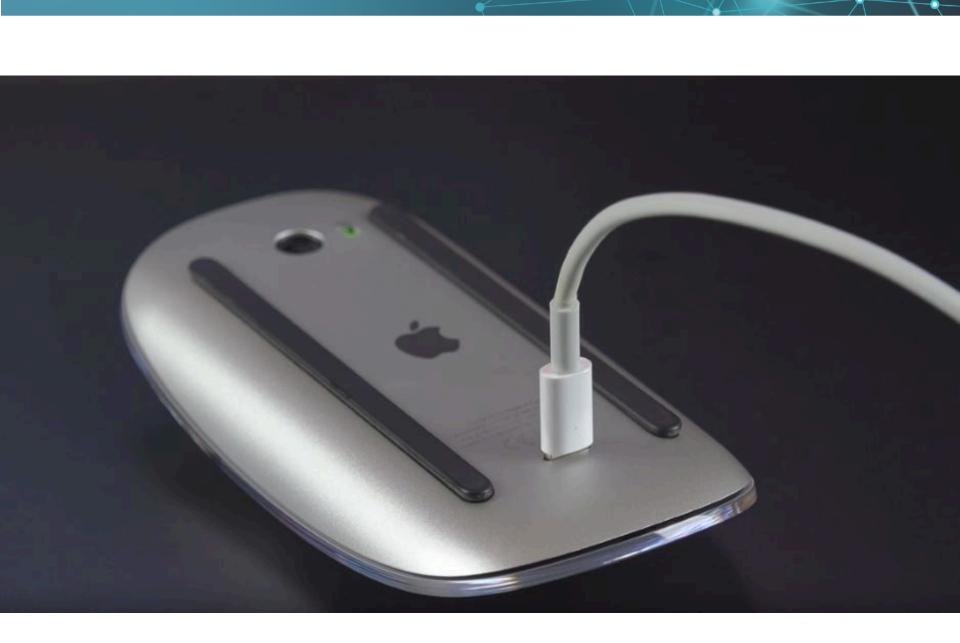
Enroll desk phone

- Set up Microsoft Authenticator
- Setting up Outlook
- **Using App Passwords**
- 😣 30 day re-authentication



PINE 4.05	MAIN MENU		Folder: INBOX 5 Messages				
2	HELP	-	Get help using Pine				
с	COMPOSE MESSAGE	-	Compose and send/post a message				
I	MESSAGE INDEX	_	View messages in current folder				
L	FOLDER LIST	—	Select a folder OR news group to view				
A	ADDRESS BOOK	-	Update address book				
ន	SETUP	_	Configure Pine Options				
Q	QUIT	-	Leave the Pine program				
Copyright 1989-1998. PINE is a trademark of the University of Washington.							
2 Help 0 OTHER C	[<u>Sorti</u> P MDS > [ListFldrs] N	Pr	"INBOX" 100%] evCmd R RelNotes xtCmd K KBLock				

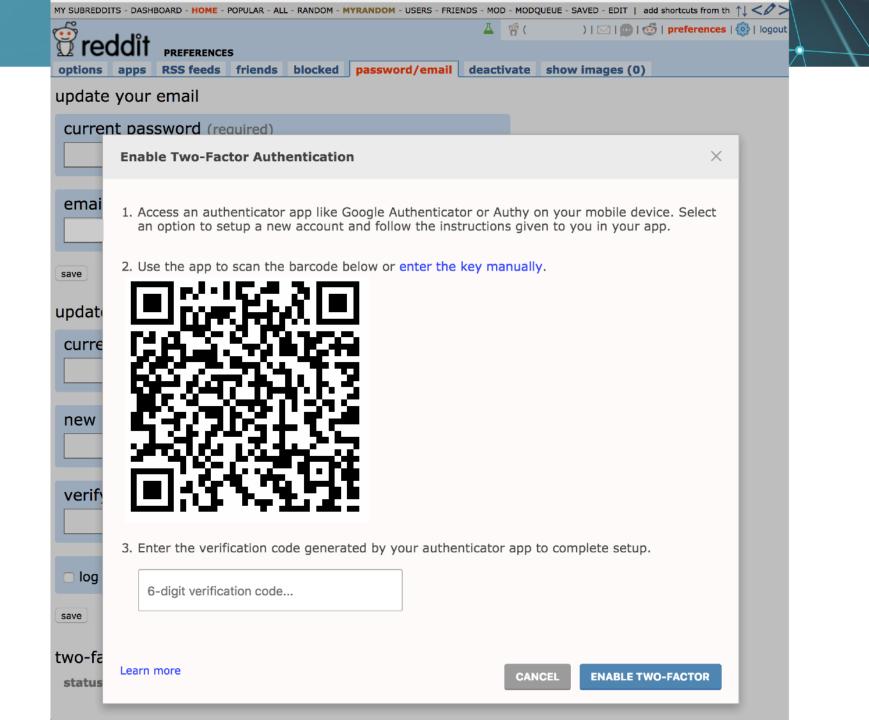


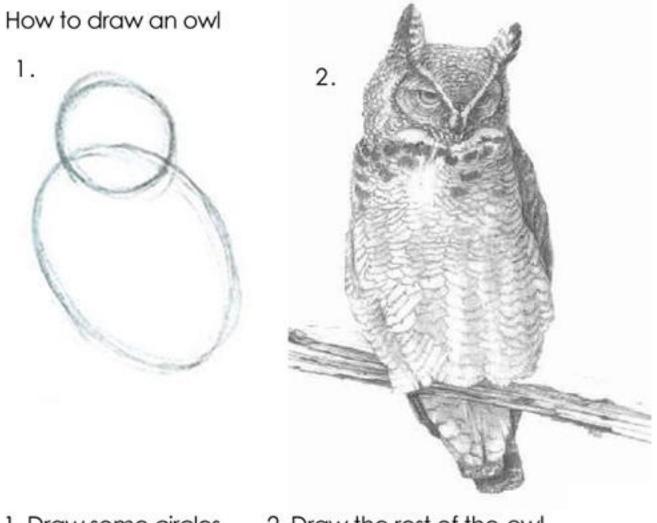


Findings



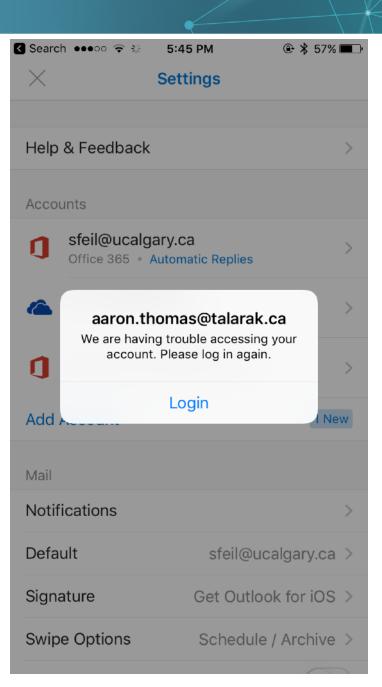






1. Draw some circles 2. Draw the rest of the owl

		en me what you					
	×	ve to: ? n Email	⊂ To Manager ✓ Done	÷	📑 🎵		
Central Authentication		v & Delete	🧚 Create New		e Rules OneNo		/ Catego
Service			Skype	for Business		×	Tags
	CALGA C		uthenticat	tion	R		ill2.mic
Aaron.Thomas@talarak.ca	S	ervice			UNIVERS	Y ITY OF	
	1				CALG	ARY	Outlook
		🕫 Login to Mi	crosoft Teams		_	· 🗆	×
Sign In							
			Microsoft				
This is the Talarak ADFS QA Environment. This is not product	ion.	C :					
	1	Sig	n in				
Register an IT Account		sor	neone@example	e.com			
Forgot password?							
Account FAQs				Next			
Contact IT Support							
		Can't	access your accou	nt?			
and the second							
Office 365 Mess Weekly digest: Office							
▲ Last Month							
Office 365 Mess Weekly digest: Offic							
Office 365 Mess Message Center Ma		©2018 Microso	ft Terms of use	Privacy & coo	kies		



(i)

Your app password

Name: Laptop Password: SSkSdpwnfsxzhvnd

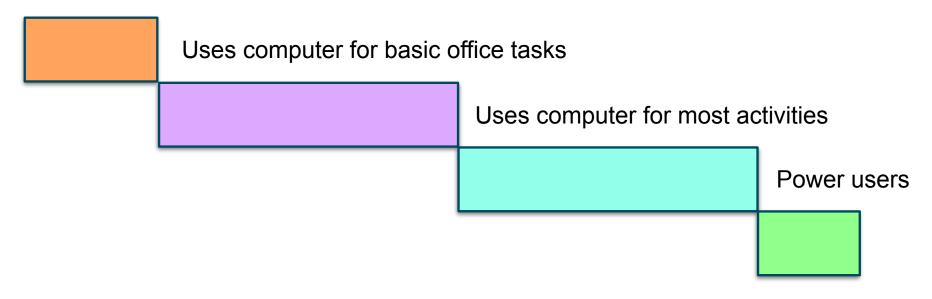
Note: This password will not be displayed again.

copy password to clipboard

close

Your name:	Sean Feil	Your name, as shown to others				
Email address:	sfeil@ucalgary.ca					
Password:	•••••	1 Username or password invalid				
	Remember password					
▲ Configuration	n could not be verified	d — is the username or password wrong?				
-						
• IMAP (remote folders) • POP3 (keep mail on your computer)						
	Incoming: IMAP, imap-mail.outlook.com, SSL					
Outgoing: SMTP, smtp-mail.outlook.com, STARTTLS						
Username: sfe	eil@ucalgary.ca					
Get a new accou	unt Manual config	g Cancel Done				

Rarely used computer



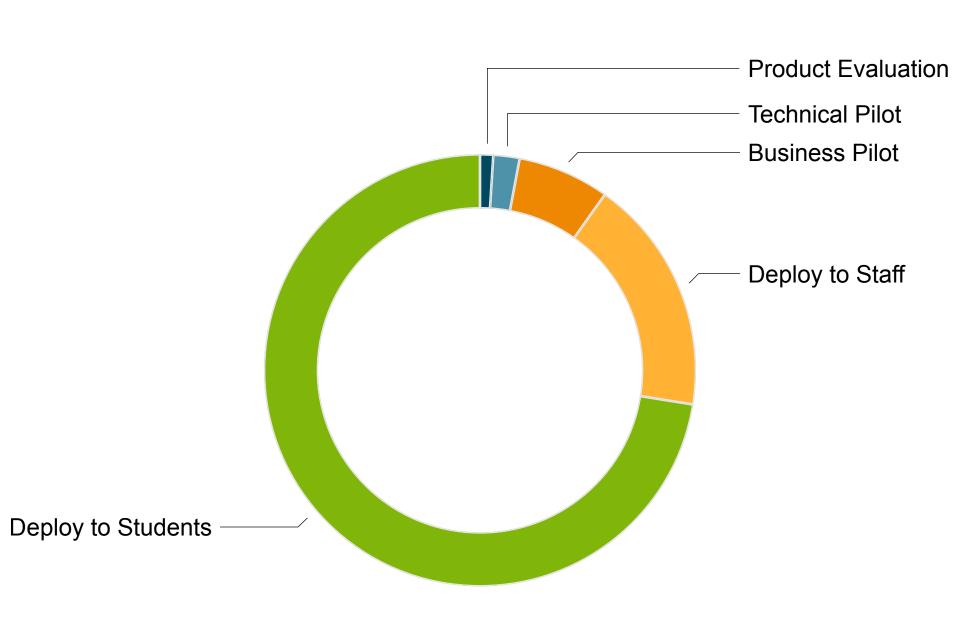


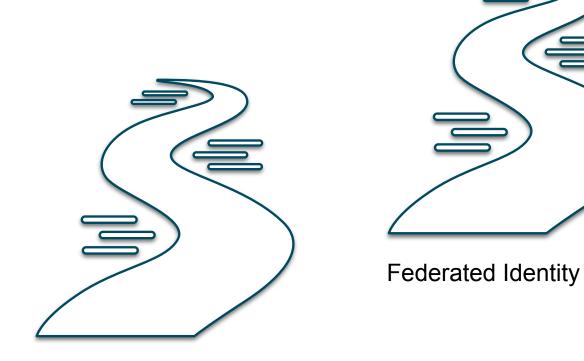




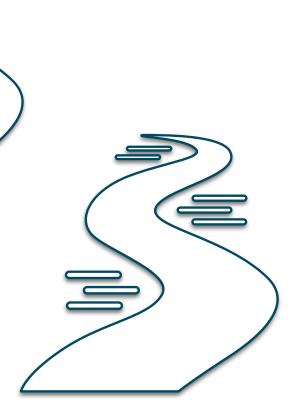
The Future







Hardware Tokens



IDAM Cleanup

Your turn

