

Two Factor Authentication- VPN

Signing into Any Connect VPN using Two-Factor

Once you enroll in two factor authentication (twofactor.fiu.edu/enroll), whenever you access the AnyConnect VPN client it will prompt you to enter three pieces of information, your **username, password and a second password** while authenticating.

In order to instruct the AnyConnect client which two-factor authentication method you would like to use, enter one of the three key words in the “second password” field.

- Key Words:
 - PUSH
 - SMS
 - PHONE

KEYWORD	METHOD	ACTION
PUSH	DUO Application on smartphone	User will need to accept/decline a notification that is sent to users' cell phone
SMS	TEXT MESSAGE Mobile/Smart Phone	Sends 10 unique passcodes via text message to a mobile or smartphone – user will input one code into second password field. Codes are meant to be used 10 different times. They are to be used in order.
PHONE	PHONE CALL Land Line/Mobile Phone	Calls the number chosen and user hits any key on the dial pad

OTP	DUO APP	Generate a one time passcode with the DUO App by selecting the key icon. Enter that one time passcode in the second password field.
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Authentication Methods

<u>PROS</u>	<u>CONS</u>
<p><u>PUSH</u></p> <ul style="list-style-type: none"> • DUO App – fastest and quickest activation method • Only need internet (WiFi) and/or data connection 	<p><u>SMS-</u></p> <ul style="list-style-type: none"> • The first time when using SMS with the VPN, your connection will fail. • Once you receive the text message with the codes you can proceed to authenticate again. • Enter the first* code into the second password field.
<p><u>OTP</u></p> <ul style="list-style-type: none"> • Uses the DUO app to generate a one time passcode. • No Internet connection is required. • 	<p><i>*order in which the codes are presented to the user is very important. Must input starting with 1st code. The other codes can be used at a later date, in the order received/used, if needed without having to gather a new set of codes again. If a new set of codes is given, the old ones will be overridden and no longer work.</i></p>
<p><u>PHONE</u></p> <ul style="list-style-type: none"> • <i>User receives a call and presses any key</i> • <i>Can be used on Landline and Smart/Mobile Phone</i> 	<ul style="list-style-type: none"> • Cellular coverage required. May not receive text message with codes if reception is poor <p><u>PHONE</u></p> <p><i>Must have cellular coverage if choosing Smart/Mobile phone call option</i></p>

Note:

Phones being used for two-factor authentication must be enrolled prior to trying to connect to the VPN. To enroll visit <https://twofactor.fiu.edu/enroll>

Codes only last 60 seconds from moment of arrival

DUO App requires a passcode on the phone.

Users should white-list the first 6 numbers from the phone number which sends codes for DUO

Phone number – 386-267-XXXX (Last four numbers may change and come in differently, but you will always receive a set of codes from a phone number beginning with numbers (386) 267)