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SecureCanes Information

What is SecureCanes?
SecureCanes is a wireless network that provides encryption for your wireless communications from your device to the wireless access point. UM faculty and staff must use their valid CaneID and password to access the SecureCanes network.

Why?
SecureCanes uses an IEEE industry standard 802.1X which provides enhanced security to wireless networks. The 802.1X standard offers an effective framework for authenticating and controlling user traffic to a protected network.

SecureCanes vs CaneNet_Wireless vs CanesGuest
SecureCanes is an encrypted Wi-Fi network that allows UM faculty and staff to access the internet in a secure manner.

CaneNet_Wireless is an encrypted Wi-Fi network that allows UM students to access the internet in a secure manner.

CanesGuest is an open, unsecure network that offers no encryption to the wireless network. It provides guests of the University with limited Wi-Fi access.

How?
This documentation serves as a how-to SecureCanes connection guide.

The examples in this guide include walk-throughs for the following operating systems:
- Windows 10
- Mac OSX Sierra (10.12) or higher
- Apple iOS
- Android
- Chrome OS

Requirements
UM faculty and staff can connect to SecureCanes using a wireless-capable device, such as a laptop, tablet, or smartphone.

Support
For additional assistance and support, please contact the UMIT Service Desk at: (305) 284-6565 or help@miami.edu.
Windows 10

Section 1.1 Windows 10

1) Click on the wireless signal icon or network globe on the bottom right of your screen.

2) Select SecureCanes from the list of wireless network connections.
Section 1.1 Windows 10 cont’d

3) Click on Connect for SecureCanes and check mark *Connect automatically*.

4) You may be prompted to verify that you expect to find SecureCanes in this location. Click Connect. You will then be prompted to input your CaneID username and password. Then click OK.
Section 1.1 Windows 10 cont’d

5) You will be prompted to “Continue connecting?” Click Connect.

6) You will then be connected to the SecureCanes network.
Mac OS X

Section 2.1 Mac OS X

1) Click on the wireless signal icon on the top right of your screen.

2) Select SecureCanes from the list of wireless networks.

3) You will be prompted to input your CaneID username and password. Check mark Remember this network and then click OK.
Section 2.1 Mac OS X cont’d

4) Click on Continue to accept the 802.1x certificate.

5) If your Mac prompts you for a fingerprint, use your fingerprint to “Use Password...” to type in your local user password and then click OK.

6) You will then be connected to the SecureCanes network.
Apple iOS Mobile Devices

Section 3.1 Apple iOS Mobile Devices

1) Tap on the Settings icon on your home screen.

2) On the Settings screen, tap on Wi-Fi.

3) Tap on SecureCanes from the list of Wi-Fi networks.
Section 3.1 Apple IOS Mobile Devices cont’d

4) You will be prompted to input your CaneID username and password. Then tap Join.

5) Tap on Accept to accept the 802.1x certificate.

6) You will then be connected to the SecureCanes network.
Android 8.0 and Select Versions of Android 9.0

Section 4.1 Android 8.0 and Select Versions of Android 9.0

1) Tap on the Settings icon in your Apps.

2) Under Wireless and Networks, tap on Wi-Fi.

3) Tap on SecureCanes in Wi-Fi.
Section 4.1 Android 8.0 and Select Versions of Android 9.0 cont’d

4) From the Connect menu, select “PEAP” as the EAP method and “MSCHAPV2” as the Phase 2 authentication. Select the CA certificate as “Use system certificates.”

5) Enter “miami.edu” as the Domain, and input your CaneID username and password as your Identity and Password. Then tap Connect.

6) You will then be connected to the SecureCanes network.
Android 9.1 Mobile Devices

Section 5.1 Android 9.1 Mobile Devices

1) Tap on the Settings icon in your Apps.

2) Tap on Connections and then tap on Wi-Fi.

3) Tap on SecureCanes.
**Section 5.1 Android 9.1 Mobile Devices cont’d**

4) From the Connect menu, select “PEAP” as the EAP method.

5) Input your CaneID username and password as your Identity and Password. Then tap Connect.

6) You will then be connected to the SecureCanes network.
Android 10.0 Mobile Devices

Section 6.1 Android 10.0 Mobile Devices

1) Tap on the Settings icon located in your Apps.

2) Tap on Network and Internet, and then tap on Wi-Fi.

3) Tap on SecureCanes in Wi-Fi.
Section 6.1 Android 10.0 Mobile Devices cont’d

4) From the Connect menu, select “PEAP” as the EAP method and “MSCHAPV2” as the Phase 2 authentication. Select CA certificate as “Use system certificates.”

5) Enter “miami.edu” as the Domain, and input your CaneID username and password as your Identity and Password. Then tap Connect.

6) You will then be connected to the SecureCanes network.
SecureCanes Documentation

Chrome OS

Section 7.1 Chrome OS

1) Select the wireless and clock icon at the bottom right corner of the screen.

2) Select the *Wireless Network* option to see the list of available networks.

3) Select the *SecureCanes* network.
Section 7.1 Chrome OS cont’d

4) On the Join Wi-Fi network page, enter “EAP-TTLS” as the EAP method, and “MSCHAPV2” as the EAP Phase 2 authentication. Use “Default” for the Server CA certificate.

5) Input your CaneID username and password as the Identity and Password. Then select Connect.

6) You will then be connected to the SecureCanes network.