

Application Note

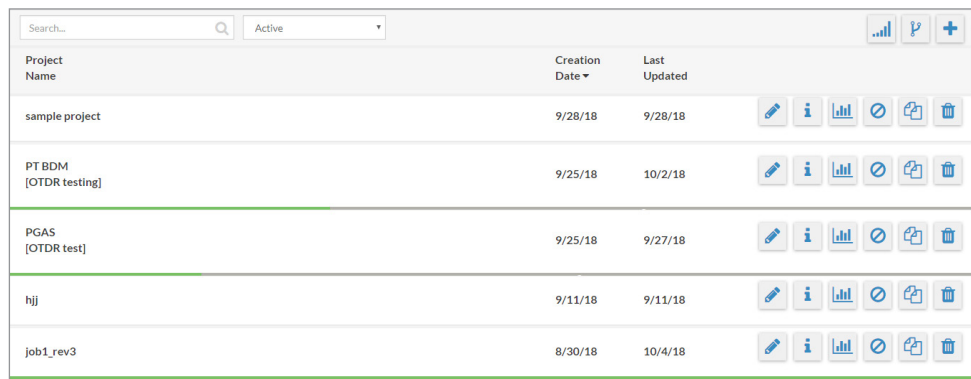
Best Practices of data security with Rogue® Turbo OLTS

Introduction

Data security is one of the most important aspects of the AFL aeRos® and Turbo OLTS test suite. The loss of test results and other related data often means the loss of revenue. AFL recently made improvements on the Rogue® Turbo app to help on this front. Continue reading this application note to understand the improvement and learn how to best protect the integrity of your test results.

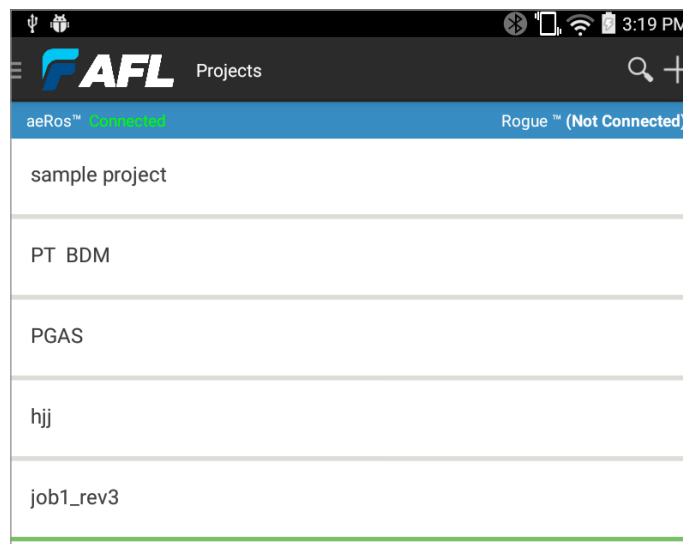
Where does the data live?

aeRos is an open, cloud-based, workflow management platform that allows users to easily and efficiently manage their test process from end to end. When each user (User A) is signed into aeRos, all data assigned to them is automatically synchronized in real-time to the Rogue Turbo app running on their Android device or the AFL iB1 base.



Project Name	Creation Date	Last Updated	
sample project	9/28/18	9/28/18	[Edit] [Info] [Chart] [Refresh] [Share] [Delete]
PT BDM [OTDR testing]	9/25/18	10/2/18	[Edit] [Info] [Chart] [Refresh] [Share] [Delete]
PGAS [OTDR test]	9/25/18	9/27/18	[Edit] [Info] [Chart] [Refresh] [Share] [Delete]
hjj	9/11/18	9/11/18	[Edit] [Info] [Chart] [Refresh] [Share] [Delete]
job1_rev3	8/30/18	10/4/18	[Edit] [Info] [Chart] [Refresh] [Share] [Delete]

Figure 1: aeRos Project screen



Project Name
sample project
PT BDM
PGAS
hjj
job1_rev3

Figure 2: Turbo app Project screen

User A will see all the projects, test setups, and test limits related to their work on the Turbo app. As long as User A is signed into aeRos®, even without WiFi connection, they will be continuously building in their own local User A database on the app. If the WiFi connection is good, the local User A database will be periodically synchronized to aeRos. Any newly acquired test data will be safely stored in both the local User A database and aeRos.

At the end of the working day when User A has completed their work, they should establish a WiFi connection with aeRos to make sure all local User A database data synchronized before sign out.

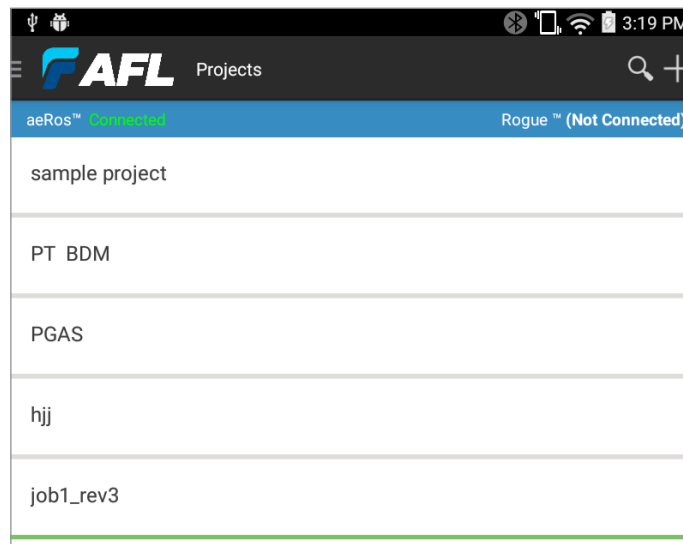


Figure 3: Turbo app Project screen with user signed in

Now if User A clicks on the "Project" icon on the Turbo App Home page, they will not see their projects because they signed out of aeRos. This way, no bystanders or other users will have the chance to accidentally modify User's A data. If User A wants to continue testing, they can simply sign back into aeRos again.

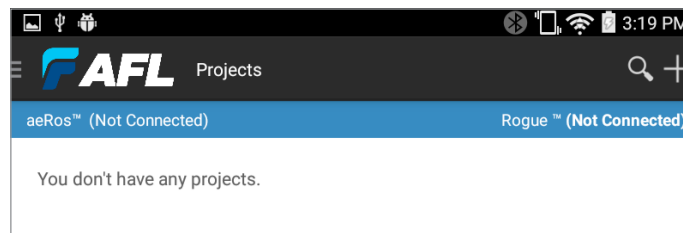


Figure 4: Turbo app Project screen with user signed out

How to share the Rogue® Turbo OLTS among multiple users?

Each Turbo user should have their own aeRos® account. When using Turbo, the best practice is to have each user sign into aeRos at the beginning of the work day, perform the tests, and confirm all data has synchronized before calling it a day. A user can remain signed in indefinitely and only needs to sign out when a different user is going to perform work.

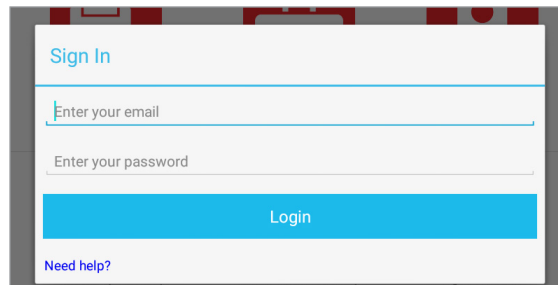


Figure 5: aeRos Sign In window

What is “Sync Pause” and why use it?

Turbo version 3.1.6 and higher added a new feature, Sync Pause. Sync Pause is best to use when WiFi connection is spotty or non-existent or if the user does not wish to use up their wireless data-plan. Sync Pause keeps the user signed into aeRos and their local User database. Sync Pause also prevents battery draining due to unsuccessful attempts of sync due to poor WiFi condition.

Sync Pause can be easily turned on by tapping “Connected” next to aeRos. During “Sync Pause”, user will not be able to sign out of aeRos.

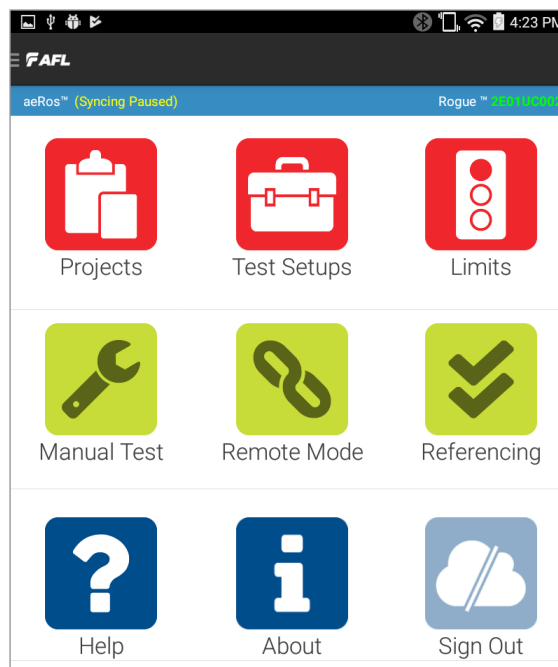


Figure 6: Turbo app Sync Pause screen

Check “Sync on Logout” ensures test data security

During sign out, a user will notice a pop up shown as below. “Sync on Logout” is a new feature, which is checked by default. To ensure test data security, it is recommended to keep this box checked. Signing out of aeRos® on the application without syncing newly acquired test data risks the loss of test data. Let’s not do that. Always make sure to synchronize your data to aeRos so it’s safe and available for review and reporting.

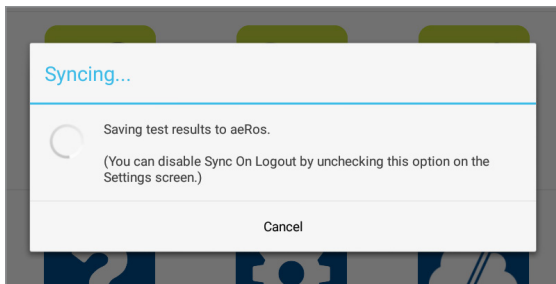


Figure 7: Saving test results to aeRos

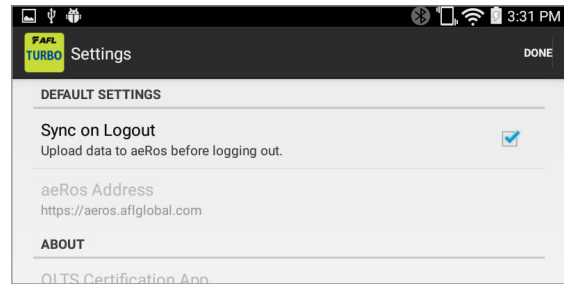


Figure 8: Make sure ‘Sync on Logout’ checked

Remember to copy offline data

If the user has any offline data, upon sign in to aeRos®, the app will have a pop up: “Would you like to copy data collected offline into your aeRos account?” It is highly recommend to tap “Yes” for data security.

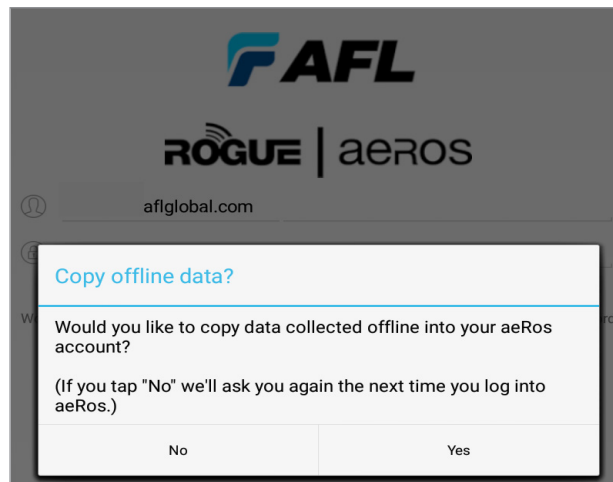


Figure 9: Copy offline data screen

Summary

In our continued effort to improve the user experience and performance of our products, AFL has extended the abilities of our Rogue® Turbo app to support multiple user accounts, pausing of real-time synchronization, and helping ensure data security on logout.

This application note is to help users understand those changes. Need further assistance?

Please call Tech Support at 1-800-321-5298 (option 3).