MSRS SUMA and Browserless Authentication Frequently Asked Questions

Below is a list of frequently asked questions related to the SUMA functionalities and Browserless Authentication in the MSRS tool. If you have a question that has not been covered below, please consult the MSRS Reports Documentation or contact the Market Settlements Support team at mss@pjm.com.

1) What is SUMA?
   a. Single User Multi-Account (SUMA) allows users with access to multiple company accounts to use the same user ID and password without having to log into different accounts separately. Users may create a new user account or convert an existing user account as their primary SUMA account for which all other company accounts and tool access can be linked to.

2) Are we required to use the MSRS SUMA functionality?
   a. SUMA functionality for MSRS is optional.

3) Can we still use filetransfer.jar to download reports?
   a. The filetransfer.jar will no longer be supported and should stop being used for MSRS downloads. We will be removing the folder containing those supporting documents from the MSRS web page in the near future.

4) How do we replace filetransfer.jar?
   a. If you're using filetransfer.jar as part of a shell script or .bat file, you might consider replacing with either **curl** or **wget**. Syntax is very similar and both are available on linux and Windows.
   For example, to replace using **curl**:

      1. Create a text file called **my-password-file** (can be named anything).
      This will store your account information so it does not appear on the command line.

      2. Put your login info in the file. Example:
      ```
      machine msrstrain.pjm.com login YOUR_LOGIN password YOUR_PASSWORD
      ```

      3. Run curl using these credentials. Example:
      ```
      curl --netrc-file my-password-file
      'https://msrstrain.pjm.com/msrs/browserless.do?report=TransmissionEnhance
      mentChargeSummary&version=L&format=C&start=08/01/2018&stop=08/25/2018'
      ```

      Alternatively, it could be run with user/pass on the command line.
      ```
      curl -u username:password
      'https://msrstrain.pjm.com/msrs/browserless.do?report=TransmissionEnhance
      mentChargeSummary&version=L&format=C&start=08/01/2018&stop=08/25/2018'
      ```

5) Can we use multiple SUMA accounts?
   a. Yes, you have the flexibility to setup more than 1 SUMA account. Your Customer Account Manager (CAM) can assist with account setup.

6) Are we required to combine the pdf invoices for the SUMA accounts or are we able to request one at a time?
    a. You have the ability to download one invoice per account or combine all SUMA account invoices into 1 PDF.

7) Which reports are compatible with SUMA?
    a. Members can consult the MSRS Report Dictionary to determine if a report is SUMA compatible.

8) Can the new SUMA functionality be used with System ID accounts?

    a. The new SUMA functionality is optional and can be utilized on the system id account if the user sets up their user account accordingly (has access to MSRS for multiple company accounts).

9) How do I get setup in the MSRS Training environment for testing?

    a. A user's Company Account Manager (CAM) can assist with setting up a SUMA user account in the Training environment. The training envrionment SUMA user ID and password can be used to download multiple MSRS reports for all company accounts that have authorized MSRS access.