Guide to Downloading SAM Extracts via Production Non-Sensitive SFTP Server – v1.0

August 15th, 2020
1 Using SAM SFTP and Downloading Extracts

This guide is intended for users who have already been approved for access to the extracts at SAM. Access to the SAM SFTP server is available with an SFTP client such as WinSCP.

As an alternative to downloading from the SFTP server, you may access the files from the SAM website.

1. To connect to the SAM production SFTP site please use the following parameters:

   SAM Production Non-Sensitive SFTP IP address: **34.238.105.216**
   Utilize Port **22** on the SFTP client.
   Enter your SAM username and password in the appropriate fields.

   Note: For additional security, we recommend that SFTP-enabled systems use public key authentication. Directions on how to create and exchange your system's public key can be provided by the Federal Service Desk at 866-606-8220.
2. Log into the SAM SFTP site.

![Authentication Banner - MySAMUser@34.238.105.216]

*GSA Authorized uses only. All activity may be monitored and reported.*

Note: If you do not reach the Authentication Banner then firewall configurations within your network are blocking your connection. If you are unable to connect, after seeing the Authentication Banner, please contact the Federal Service Desk at 866-606-8220.
3. Refer to the directory structure below to navigate to the Extract you need. For example, if you need the Entity Management FOUO V2 Extract, navigate to the /current/SAM/2_FOUO_V2 folder. You will only be able to access the contents of folders that your account has been given permission to view.

```
/current/SAM/
```

Note: In preparation for the transition from the DUNS number to the SAM-generated Unique Entity ID, new versions of the SAM Extracts are now available with the Unique Entity Identifier (UEI) fields added. Folders with the new versions of the SAM Extracts end with “V2”. For example, if you need the Entity Management Public Extract with UEI fields added, navigate to the /current/SAM/1_PUBLIC_V2 folder.

The SAM-generated Unique Entity Identifier standard was published in the Federal Register in July 2019. For additional information, you may want to view our EntityID Webinar which contains the history of this effort as well as questions and answers about the transition at EntityID. Users that have questions regarding the SAM-generated UEI or entity validation services specifically should reach out to entityvalidation@gsa.gov.
Table 1.1: Extract-to-SFTP Folder Mapping

<table>
<thead>
<tr>
<th>Extract</th>
<th>Folder Path</th>
</tr>
</thead>
<tbody>
<tr>
<td>SAM Entity Management Public</td>
<td>/current/SAM/1_PUBLIC</td>
</tr>
<tr>
<td>SAM Entity Management FOUO</td>
<td>/current/SAM/2_FOUO</td>
</tr>
<tr>
<td>SAM Exclusions Public</td>
<td>/current/SAM/ExclusionsPublicExtract</td>
</tr>
<tr>
<td></td>
<td>/current/SAM/Public</td>
</tr>
<tr>
<td>SAM Entity Management Public V2</td>
<td>/current/SAM/1_PUBLIC_V2</td>
</tr>
<tr>
<td>SAM Entity Management FOUO V2</td>
<td>/current/SAM/2_FOUO_V2</td>
</tr>
<tr>
<td>SAM Exclusions Public V2</td>
<td>/current/SAM/ExclusionsPublicExtract_V2</td>
</tr>
<tr>
<td></td>
<td>/current/SAM/Public_V2</td>
</tr>
</tbody>
</table>

4. Download the Extract. See below for file naming conventions.

/current/SAM/2_FOUO/UTF-8/

Name

- SAM_FOUO_UTF-8_DAILY_20200813.ZIP
- SAM_FOUO_UTF-8_DAILY_20200812.ZIP
- SAM_FOUO_UTF-8_DAILY_20200811.ZIP
- SAM_FOUO_UTF-8_DAILY_20200808.ZIP
- SAM_FOUO_UTF-8_DAILY_20200807.ZIP
- SAM_FOUO_UTF-8_DAILY_20200806.ZIP
- SAM_FOUO_UTF-8_DAILY_20200805.ZIP
- SAM_FOUO_UTF-8_DAILY_20200804.ZIP
- SAM_FOUO_UTF-8_MONTHLY_20200802.ZIP
- SAM_FOUO_UTF-8_DAILY_20200801.ZIP
- SAM_FOUO_UTF-8_DAILY_20200731.ZIP
- SAM_FOUO_UTF-8_DAILY_20200730.ZIP
- SAM_FOUO_UTF-8_DAILY_20200729.ZIP
- SAM_FOUO_UTF-8_DAILY_20200728.ZIP
- SAM_FOUO_UTF-8_DAILY_20200725.ZIP
- SAM_FOUO_UTF-8_DAILY_20200724.ZIP
- SAM_FOUO_UTF-8_DAILY_20200723.ZIP
1.1 SAM Extracts V1 File Naming Conventions

The naming conventions for the files are defined below. In this example, the file is named SAM_FOUO_UTF-8_DAILY_20200804.ZIP.

- “SAM” – This term stands for “System for Award Management” and serves to differentiate from the Legacy files.
- “FOUO” – This term defines the sensitivity level for the extract file. In this example “FOUO” stands for FOUO or “For Official Use Only. Other sensitivity levels include:
  - PUBLIC - Public
  - FOUO – For Official Use Only (FOUO)
- UTF-8 – This term indicates that the extract file is encoded in UTF-8. In the absence of this term, the file is encoded in ASCII.
- “DAILY” – This term identifies the type of extract file. The types of extract files are:
  - DAILY – Daily File. Posted Tuesday-Saturday each containing the changes/uploads that took place from the previous file.
  - MONTHLY – Monthly Refresh File. Complete dump of all active entities as well as the past 6 months’ worth of expired entities.
- 20200804 – This term is the calendar date for each file.
1.2 SAM Extracts V2 File Naming Conventions

The naming conventions for the SAM V2 files are defined below. In this example, the file is named SAM_FOUO_UTF-8_DAILY_V2_20200804.ZIP.

- “SAM” – This term stands for “System for Award Management” and serves to differentiate from the Legacy files.
- “FOUO” – This term defines the sensitivity level for the extract file. In this example “FOUO” stands for FOUO or “For Official Use Only. Other sensitivity levels include:
  - PUBLIC - Public
  - FOOU – For Official Use Only (FOUO)
- UTF-8 – This term indicates that the extract file is encoded in UTF-8. In the absence of this term, the file is encoded in ASCII.
- “DAILY” – This term identifies the type of extract file. The types of extract files are:
  - DAILY – Daily File. Posted Tuesday-Saturday each containing the changes/updates that took place from the previous file.
  - MONTHLY – Monthly Refresh File. Complete dump of all active entities as well as the past 6 months’ worth of expired entities.
- V2 – This term indicates that the file is a new version of the SAM extracts which has the Unique Entity Identifier (UEI) fields added.
- 20200804 – This term is the calendar date for each file.

For sample extract files and mapping conventions, please go to SAM.gov and refer to the DATA ACCESS section.

Refer all questions about Extracts and SFTP access to the Federal Service Desk at 866-606-8220.