



SAM.gov Entity Management API

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Example 1: Post April 3rd, 2022, I would like to obtain the registered entities that have undergone Address change and Name change resulting from EVS Monitoring.

Example 2: Post April 3rd, 2022, I would like to obtain the publicly available not registered/ID Assigned entities.

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Example 4: Get Entities with no Hierarchy, a small hierarchy, and a large Hierarchy.

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Additional Information

[Contact Us](#)

 Scrape Contract

Overview

The Entity Management API allows users to request Unclassified (“Public”), Controlled Unclassified Information (CUI) “For Official Use Only” (FOUO) or CUI “Sensitive” entity data, based on the sensitivity level of the user account and through several optional request parameters.

Public Data:

This constitutes publicly available entities and their unclassified data such as name, UEI, registration details, physical and mailing addresses, business types, PSC, NAICS and points of contact name and address.

FOUO (CUI) Data:

This constitutes both the publicly available entities and the entities that have opted out of public display with their CUI data such as hierarchy, company and employee security levels and points of contact email address, phone, and fax numbers.

Sensitive (CUI) Data:

This constitutes both the publicly available entities and the entities that have opted out of public display with their CUI data such as banking information and SSN/TIN/EIN.

Key Features of the Entity Management API:

- It offers several optional search parameters, filtering by sections, AND (&), OR (~), NOT (!) conditions and a free text search q to obtain the desired data.
- It returns synchronous responses.
- It returns ten records per page in the JSON format.
- It can return only the first 10,000 records.
- The following characters are not allowed to be sent in the parameter values with the API request: & | {} ^ \

Additional Features of the Entity Management API: It can serve as an Extract API with the addition of “format” parameter in the request.

Following are the key features of the Entity Management Extract API:

- It offers several optional search parameters, filtering by sections, AND, OR, NOT conditions and a free text search q to obtain the desired data.
- It returns asynchronous responses by sending file downloadable link.
- It returns data in the JSON or CSV format as selected by the user.
- It can return only the first 1,000,000 records.

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Getting Started

API endpoints

Production:

- https://api.sam.gov/entity-information/v1/entities?api_key=

- <https://api.sam.gov/entity-information/v1/entities?>
- https://api.sam.gov/entity-information/v2/entities?api_key=*****
- <https://api.sam.gov/entity-information/v2/entities?>
- https://api.sam.gov/entity-information/v3/entities?api_key=*****
- <https://api.sam.gov/entity-information/v3/entities?>
- https://api.sam.gov/entity-information/v4/entities?api_key=*****
- <https://api.sam.gov/entity-information/v4/entities?>

Alpha:

- https://api-alpha.sam.gov/entity-information/v1/entities?api_key=*****
- <https://api-alpha.sam.gov/entity-information/v1/entities?>
- https://api-alpha.sam.gov/entity-information/v2/entities?api_key=*****
- <https://api-alpha.sam.gov/entity-information/v2/entities?>
- https://api-alpha.sam.gov/entity-information/v3/entities?api_key=*****
- <https://api-alpha.sam.gov/entity-information/v3/entities?>
- https://api-alpha.sam.gov/entity-information/v4/entities?api_key=*****
- <https://api-alpha.sam.gov/entity-information/v4/entities?>

User Requirements

To access Public data:

- Users must have a non-Federal/Federal Individual (Personal) account and the respective API Key, a non-Federal/Federal System Account with the “Read Public” permission and the respective API Key in SAM.gov.
- Users can make GET calls using any Browser or a Restful API client such as Postman.

To access FOUO (CUI) data:

- Users must have a Federal System Account with the “Read FOUO” permission and the respective API Key in SAM.gov.
- Users can make GET calls using any Browser or a Restful API client such as Postman.

To access Sensitive (CUI) data:

- Users must have a Federal System Account with the “Read Sensitive” permission and the respective API Key in SAM.gov.
- Users must make POST calls using a Restful API client such as Postman.

Individual (Personal) Accounts

- The SAM.gov Federal or non-Federal registered users must obtain the API Key from the <https://sam.gov/profile/details> page using the field, “Public API Key”.



- Click on the “Eye” icon, enter the “Enter One-time Password” (this value will be sent to your email address that is associated with your registered account), hit “Submit”, for the API Key value to appear in the box.

System Accounts

- The SAM.gov non-Federal registered users must request for a System Account. If their registration and request criteria are satisfied, then they will be provided with the System Accounts” widget on their SAM.gov “Workspace” page.

- The SAM.gov Federal registered users must contact their CCB representatives for obtaining the “System Accounts” widget on their SAM.gov “Workspace” page.
- Users must create their System Account using the “System Accounts” widget and get it approved.
- Users must then set the password for the System Account.
- After the above step is successfully completed, users will see a new section for retrieving the API Key. Users must enter the password to retrieve this value.
- System Accounts must satisfy the following criteria to successfully utilize the Entity Management API:
 - System Information
Unique System ID: The System Account ID
 - Permissions
Entity Information: read public → Gives access to the Public data.
Entity Information: read public, read fous → Gives access to the Public and FOUO (CUI) data.
Entity Information: read public, read fous, read sensitive → Gives access to the Public, FOUO (CUI) and Sensitive (CUI) data.
 - Security Information
IP Address: List all the IP Addresses that the System invokes the API from.
 - Type of Connection: REST APIs
 - System Account Password
 - System Account API Key

API Key Rate Limits

Type of User Account	Type of API Key	Default API Daily Rate Limit
Non-federal user with no Role in SAM.gov	Personal API key	10 requests/day
Non-federal user with a Role in SAM.gov	Personal API key	1,000 requests/day
Federal User	Personal API key	1,000 requests/day
Non-federal System user	System account API key	1,000 requests/day
Federal System user	System account API key	10,000 requests/day

► Sensitive API Process:

Utilizing the API Extract

- To retrieve Entity data in the CSV format, “format=csv” must be provided in the request.
- To retrieve Entity data in the JSON format, “format=json” must be provided in the request.
- If the request is executed successfully, then a file downloadable URL with Token will be returned. This URL can also be obtained in emails by providing “emailld=Yes” in the request.
- In the file downloadable URL, the phrase REPLACE_WITH_API_KEY must be replaced with a valid API Key and sent as another request.
- If the file is ready for download, then the users can retrieve it. If the file is not ready for download, then the users will need to try again in some time.

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API Description

▼ Query String Parameters:

The Entity Management API offers several optional search parameters that can be provided independently or in combination with each other.

Parameter Name	Description	Applicable Versions
Sensitivity Level: Public , which constitutes publicly available entities and their unclassified data		
samRegistered	The API, by default, will return only the entities that are registered, if this search parameter is not sent in the request. However, users can still choose to send this search parameter as: samRegistered=Yes.	v2
	The API, by default, will return only the entities that are registered, if this search parameter is not sent in the request. However, users can choose to send this search parameter as: samRegistered=Yes – to receive entities that are registered. samRegistered=No – to receive entities that are not registered/ID Assigned.	v3 v4
samExtractCode --> registrationStatus	Allows 1 character code (A for Active or E for Expired). samExtractCode=A, registrationStatus=A NOTE: This parameter is being renamed. samExtractCode is in V1 and registrationStatus is starting V2.	v1 v2 v3 v4
ueiSAM	Unique Entity Identifier SAM Allows a single 12-character value or up to 100 values. Example: ueiSAM=RV56IG5JMG9 Applicable to the entities that are registered or not registered/ID Assigned.	v1 v2 v3 v4
entityEFTIndicator	Entity EFT Indicator. Example: entityEFTIndicator=0000 NOTE: This parameter must be used in conjunction with ueiSAM.	v1 v2 v3 v4
cageCode	Allows a single 5-character value or up to 100 values. Example: cageCode=00000 Applicable to the entities that are registered or not registered/ID Assigned.	v1 v2 v3 v4
dodaac	Allows 9 character value. Example: dodaac=DOD123456	v1 v2 v3 v4
legalBusinessName	Allows partial or complete value search. Example: legalBusinessName=ALLTEL Applicable to the entities that are registered or not registered/ID Assigned.	v1 v2 v3 v4
dbaName	Allows Partial or Complete value. Example: dbaName=ALLTEL	v1 v2

		v3 v4
debtSubjectToOffset	Allows Y, N, U or null. Example: debtSubjectToOffset=Y	v1 v2 v3 v4
exclusionStatusFlag	v1 or v2: Allows D or null. Examples: exclusionStatusFlag=D, exclusionStatusFlag="" v3: Allows Y or N Examples: exclusionStatusFlag=Y, exclusionStatusFlag=N	v1 v2 v3 v4
registrationDate	Allows a single Date or a Date range. Formats: MM/DD/YYYY or [MM/DD/YYYY,MM/DD/YYYY] Examples: registrationDate=01/01/2019, registrationDate=[01/01/2019,05/29/2019]	v1 v2 v3 v4
activationDate	Allows a single Date or a Date range. Formats: MM/DD/YYYY or [MM/DD/YYYY,MM/DD/YYYY] Examples: activationDate=01/01/2019, activationDate=[01/01/2019,05/29/2019]	v1 v2 v3 v4
updateDate	Allows a single Date or a Date range. Formats: MM/DD/YYYY or [MM/DD/YYYY,MM/DD/YYYY] Examples: updateDate=01/01/2019, updateDate=[01/01/2019,05/29/2019]	v1 v2 v3 v4
expirationDate --> registrationExpirationDate	Allows a single Date or a Date range. Formats: MM/DD/YYYY or [MM/DD/YYYY,MM/DD/YYYY] Examples: registrationExpirationDate=01/01/2019, registrationExpirationDate=[01/01/2019,05/29/2019] NOTE: This parameter is being renamed. expirationDate is in V1 and registrationExpirationDate is starting V2.	v1 v2 v3 v4
ueiCreationDate	Allows a single Date or a Date range. Formats: MM/DD/YYYY or [MM/DD/YYYY,MM/DD/YYYY] Examples: ueiCreationDate=01/01/2019, ueiCreationDate=[01/01/2019,05/29/2019] Applicable to the entities that are registered or not registered/ID Assigned.	v2 v3 v4
purposeOfRegistrationCode	Allows 2 character code. Example: purposeOfRegistrationCode=Z2	v1 v2 v3 v4
purposeOfRegistrationDesc	Allows a text. Example: purposeOfRegistrationDesc=All Awards	v1 v2 v3 v4
physicalAddressCity	Allows a text. Example: physicalAddressCity=Herndon Applicable to the entities that are registered or not registered/ID Assigned.	v1 v2 v3 v4

physicalAddressCongressionalDistrict	Allows a 2 digit code. Example: physicalAddressCongressionalDistrict=08 Applicable to SAM registrants.	v1 v2 v3 v4
physicalAddressCountryCode	Allows a 3-character code for entities that are registered. Allows both 3-character and 2-character codes for entities that are not registered/ID Assigned. Example: physicalAddressCountryCode=USA Applicable to the entities that are registered or not registered/ID Assigned.	v1 v2 v3 v4
physicalAddressProvinceOrStateCode	Allows a 2 character code. Example: physicalAddressProvinceOrStateCode=AR Applicable to the entities that are registered or not registered/ID Assigned.	v1 v2 v3 v4
physicalAddressZipPostalCode	SAM registrants: Allows a 5-digit code for US zip codes or any digit postal code for non-US postal codes, for entities that are registered. Allows either a 5 or a 9-digit code for US zip codes, or any digit postal code for non-US postal codes, for entities that are not registered/ID Assigned. Examples: physicalAddressZipPostalCode=02201, physicalAddressZipPostalCode=110054, physicalAddressZipPostalCode=21202-3117	v1 v2 v3 v4
entityStructureCode	Allows 2 character code or null. Example: entityStructureCode=2L	v1 v2 v3 v4
entityStructureDesc	Allows Description or null. Example: entityStructureDesc=Partnership or Limited Liability Partnership	v1 v2 v3 v4
organizationStructureCode	Allows 2 character code. Example: organizationStructureCode=MF	v1 v2 v3 v4
organizationStructureDesc	Allows 2 character code. Example: organizationStructureDesc=MANUFACTURER OF GOODS	v1 v2 v3 v4
businessTypeCode	Allows 2 character code. Example: businessTypeCode=OY	v1 v2 v3 v4
businessTypeDesc	Allows a text. Example: businessTypeDesc=Woman Owned Business	v1 v2 v3 v4

sbaBusinessTypeCode	Allows a two character code or null. Example: sbaBusinessTypeCode=12	v1 v2 v3 v4
sbaBusinessTypeDesc	Allows text. Example: sbaBusinessTypeDesc=Woman Owned Small Business	v1 v2 v3 v4
primaryNaics	Allows 6 digit NAICS, accepts multiple NAICS. Example: primaryNaics=513310	v1 v2 v3 v4
naicsCode	Allows 6 character code. Example: naicsCode=513310	v1 v2 v3 v4
naicsDesc	Allows a text. Example: naicsDesc=Furniture Stores	v1 v2 v3 v4
naicsLimitedSB	Allows a 6-digit NAICS Code, "" or !"" values. Example: naicsLimitedSB=513310	v1 v2 v3 v4
pscCode	Allows 4 character code. Example: pscCode=X1QA	v1 v2 v3 v4
pscDesc	Allows a text. Example: pscDesc=Screws	v1 v2 v3 v4
stateOfIncorporationCode	Allows 2 character code. Example: stateOfIncorporationCode=VA	v1 v2 v3 v4
stateOfIncorporationDesc	Allows a text. Example: stateOfIncorporationDesc=Virginia	v1 v2 v3 v4
countryOfIncorporationCode	Allows 3 character code. Example: countryOfIncorporationCode=USA	v1 v2 v3 v4

countryOfIncorporationDesc	Allows a text. Example: countryOfIncorporationDesc=UNITED STATES	v1 v2 v3 v4
servedDisasterStateCode	Allows 2 digit character code or "any". Example: servedDisasterStateCode=VA, servedDisasterStateCode=any	v1 v2 v3 v4
servedDisasterStateName	Allows Name or null. Example: servedDisasterStateName=Virginia	v1 v2 v3 v4
servedDisasterCountyCode	Allows 3 digit county code. Example: servedDisasterCountyCode=060	v1 v2 v3 v4
servedDisasterCountyName	Allows a text. Example: servedDisasterCountyName=FAIRFAX	v1 v2 v3 v4
servedDisasterMSA	Allows 4 digit MSA code. Example: servedDisasterMSA=1720	v1 v2 v3 v4
proceedingsData	When used in conjunction with includeSections=integrityInformation, allows users to obtain registered entities that have answered Proceedings data. This parameter accepts the only value of Yes which is not case sensitive. Examples: includeSections=integrityInformation&proceedingsData=Yes; includeSections=All,integrityInformation&proceedingsData=yes; includeSections=entityRegistration,coreData,integrityInformation, pointsOfContact&proceedingsData=YES	v3 v4
includeSections	Allows to filter data by sections. For registered entities: The applicable sections are entityRegistration, coreData, assertions, pointsOfContact, repsAndCerts, All and integrityInformation. <ul style="list-style-type: none">• The repsAndCerts section will be returned only if explicitly requested.• To request all the sections (entityRegistration, coreData, assertions, pointsOfContact and repsAndCerts), provide a value of 'All'.• The integrityInformation section is newly added specifically to the v3 API. It is not included in 'All', so it must be explicitly requested. Examples: includeSections=entityRegistration,coreData; includeSections=integrityInformation,All; includeSections=repsAndCerts.	v1 v2 v3 v4

	<p>For not registered/ID Assigned entities: The applicable sections are entityRegistration, coreData, All and integrityInformation.</p> <ul style="list-style-type: none"> • To request both the sections (entityRegistration and coreData), provide a value of 'All'. • The integrityInformation section is newly added specifically to the v3 API. It is not included in 'All', so it must be explicitly requested. <p>Examples: includeSections=entityRegistration,coreData; includeSections=integrityInformation,All</p>	
format	<p>Allows user to download data into the JSON and CSV asynchronous file formats. Example: format=csv Applicable to the entities that are registered or not registered/ID Assigned.</p>	v1 v2 v3 v4
emailld	<p>When used in conjunction with the format parameter, allows user to get JSON or CSV asynchronous file download links with tokens sent to the email address associated to the API key used in the request. Example: emailld=Yes&format=JSON Applicable to the entities that are registered or not registered/ID Assigned.</p>	v1 v2 v3 v4
Sensitivity Level: FOUO , which constitutes both the publicly available entities and the entities that have opted out of public display with their CUI data		
edi	<p>Allows text. Example: edi=YES/NO</p>	v1 v2 v3 v4
companySecurityLevelCode	<p>Allows 2 character code. Example: companySecurityLevelCode=92</p>	v1 v2 v3 v4
companySecurityLevelDesc	<p>Allows text. Example: companySecurityLevelDesc=Government Top Secret</p>	v1 v2 v3 v4
highestEmployeeSecurityLevelCode	<p>Allows 2 character code . Example: highestEmployeeSecurityLevelCode=90</p>	v1 v2 v3 v4
highestEmployeeSecurityLevelDesc	<p>Allows text. Example: highestEmployeeSecurityLevelDesc=Government Top Secret</p>	v1 v2 v3 v4
ultimateParentUEISAM	<p>Allows text. Example: ultimateParentUEISAM=RQ56IG5JM6G9</p>	v1 v2

		v3 v4
agencyBusinessPurposeCode	Allows text, Determines Agency Business Purpose Code. Example: agencyBusinessPurposeCode=1	v1 v2 v3 v4
agencyBusinessPurposeDesc	Allows text. Example: agencyBusinessPurposeDesc=Buyer and Seller	v1 v2 v3 v4
sensitivity	By default your API key determines the sensitivity level of the API response. If you would like to receive a response that is at a sensitivity level lower than your API key you can utilize this parameter. Example: sensitivity=public	v1 v2 v3 v4
Sensitivity Level: Sensitive , which constitutes both the publicly available entities and the entities that have opted out of public display with their CUI data		
routingNumber	Allows a text. Example: routingNumber=0123456	v1 v2 v3 v4
bankName	Allows a text. Example: bankName=TEST	v1 v2 v3 v4
accountNumber	Allows a text. Example: accountNumber=012323456	v1 v2 v3 v4
eftWaiverFlag	Allows a text. Example: eftWaiverFlag=Y	v1 v2 v3 v4
agencyLocationCode	Allows a text. Example: agencyLocationCode=1	v1 v2 v3 v4
disbursingOfficeSymbol	Allows a text. Example: disbursingOfficeSymbol=1093	v1 v2 v3 v4
taxpayerName	Allows a text. Example: taxpayerName=test	v1 v2 v3 v4

taxpayerIdentificationNumber	Allows a text. Example: taxpayerIdentificationNumber=01234	v1 v2 v3 v4
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▼ **Response Schema:**

The Entity Management API offers several response elements that are described in the following sections.

▼ **entityRegistration**

Field Name	Type	Description	Applicable Versions
Sensitivity Level: Public , which constitutes publicly available entities and their unclassified data			
samRegistered	string	Registered or not registered/ID Assigned entity.	v2 v3 v4
ueiSAM	string	Unique Entity Identifier SAM Applicable to the entities that are registered or not registered/ID Assigned.	v1 v2 v3 v4
entityEFTIndicator	string	Entity EFT Indicator	v1 v2 v3 v4
cageCode	string	CAGE Code Applicable to the entities that are registered or not registered/ID Assigned.	v1 v2 v3 v4
dodaac	string	DoDAAC	v1 v2 v3 v4
legalBusinessName	string	Legal Business Name Applicable to the entities that are registered or not registered/ID Assigned.	v1 v2 v3 v4
dbaName	string	Doing Business As Name	v1 v2 v3 v4
purposeOfRegistrationCode	string	Purpose of Registration Code	v1 v2 v3 v4
purposeOfRegistrationDesc	string	Purpose of Registration Description	v1 v2

				v3 v4
registrationStatus	string	The status of the entities that are registered or not registered/ID Assigned.	v1 v2 v3 v4	
evsSource	string	Source of the validated entities that are registered or not registered/ID Assigned.	v3 v4	
registrationDate	string	Registration Date	v1 v2 v3 v4	
lastUpdateDate	string	Last Update Date	v1 v2 v3 v4	
expirationDate -> registrationExpirationDate	string	Registration Expiration Date NOTE: This parameter is being renamed. expirationDate is in V1 and registrationExpirationDate is starting V2.	v1 v2 v3 v4	
activationDate	string	Active Date	v1 v2 v3 v4	
ueiStatus	string	Unique Entity Identifier Status Applicable to the entities that are registered or not registered/ID Assigned.	v2 v3 v4	
ueiExpirationDate	string	Unique Entity Identifier Expiration Date Applicable to the entities that are registered or not registered/ID Assigned.	v2 v3 v4	
ueiCreationDate	string	Unique Entity Identifier Creation Date Applicable to the entities that are registered or not registered/ID Assigned.	v2 v3 v4	
noPublicDisplayFlag --> publicDisplayFlag	string	Opted for Public Display or opted out of it. v1 or v2: Returns noPublicDisplayFlag. v3: Returns publicDisplayFlag. Applicable to the entities that are registered or not registered/ID Assigned. NOTE: A Fed System Account with the Non-SAM NPDY Role is required to access NPDY entities that are not registered/ID Assigned.	v1 v2 v3 v4	
exclusionStatusFlag	string	v1 or v2: Returns D (Debarred) or null. v3: Returns Y (Debarred) or N (not Debarred).	v1 v2 v3 v4	

		NOTE: Debarred entities will populate 'exclusionURL' with the endpoint to access the debarred record.	
exclusionURL	string	Returns the URL to access the Exclusion record with ueiSAM.	v1 v2 v3 v4
dnbOpenData	string	Dun & Bradstreet Open Data Applicable to the entities that are registered or not registered/ID Assigned.	v2 v3 v4

- ▶ **coreData**
- ▶ **integrityInformation**
- ▶ **assertions**
- ▶ **repsAndCerts**
- ▶ **pointsOfContact**

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OpenAPI Specification File

You can view the full details of this API in the OpenAPI Specification file available here: [Open API specification file for the Entity Management API](#)

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Additional Help References

Go to [SAM.gov Data Services](#) for Reps and Certs Mapping and Data Dictionary documents.

HTTP Response Codes

The API will return one of the following responses:

HTTP Response Code	Description
200	The API call is successful.
400	Application Level Error Messages: <ol style="list-style-type: none"> 1. Invalid "Date" format: v1 or v2: Date should be specified in the format: MM/dd/YYYY. v3: "message": "Dates must be specified in the MM/DD/YYYY format.", "detail": "Any Date parameter must be provided in the MM/DD/YYYY format." 2. Invalid Search Parameter: v1 or v2: "Invalid Input Parameters", "detail": "< user-provided invalid parameter >" v3: "message": "The search parameter, < user-provided invalid parameter > does not

- exist.", "detail":"Please refer to <https://open.gsa.gov/api/entity-api/> for a list of allowable search parameters."
3. If 'includeSections', 'emailId' or 'format' is sent in the "q" parameter:
v1 or v2: The parameters: 'includeSections', 'emailId' or 'format' are not permitted inside Query Param(q).
- If 'includeSections', 'emailId', 'format' or 'proceedingsData' is sent in the "q" parameter:
v3: "message":"The search parameters 'includeSections','emailId','format' and 'proceedingsData' are not permitted inside Query Param(q)", "detail":"Please provide these parameters separately".
4. More than 100 ueiSAM values are sent:
v1 or v2: A maximum of 100 ueiSAM is allowed.
v3: "message": "More than 100 UEI SAM are not allowed.", "detail": "Please limit the number of UEI SAM to 100."
5. More than 100 CAGE values are sent:
v1 or v2: A maximum of 100 CAGE Codes is allowed.
v3: "message": "More than 100 CAGE Codes are not allowed.", "detail": "Please limit the number of CAGE Codes to 100."
6. If "emailId" is sent on its own:
v1 or v2: The parameter emailId must be provided in conjunction with the parameter format.
v3: "message": "The search parameter 'emailId' must be provided in conjunction with the search parameter 'format'.", "detail": "Users can opt for receiving the requested JSON/CSV files in their emails."
7. If "entityEFTIndicator" is sent on its own:
v1 or v2: entityEFTIndicator filter must be provided in conjunction with ueiSAM filter.
v3: message": "The search parameter 'entityEFTIndicator' must be provided in conjunction with the search parameter 'ueiSAM'.", "detail": "The entityEFTIndicator parameter cannot be provided on its own."
8. File size exceeded for JSON or CSV exports:
v1 or v2: "Total Number of Records: < the total number > exceeded the maximum allowable limit: 1000000. Please provide a suitable search parameter to refine your search."
v3: "message": "Total Number of Records: < the total number > exceeded the maximum allowable limit: 1000000. Please provide a suitable search parameter to refine your search.", "detail": "Count Exceeded Error"
9. JSON or CSV file generation is in-progress:
v1 or v2: File Processing in Progress. Please check again later.
v3: "message": "The requested JSON or CSV file is not generated yet. Please try again later.", "details": "Larger files will take some time to process."
10. Using an expired Token for downloading JSON or CSV files:
v1 or v2: title": "Requested File is Expired and cannot be downloaded", "detail": "We are not able to process your request"
v3: "message": "The requested JSON or CSV file token is expired.", "detail": "Please verify the token number."
11. More than 10,000 records are requested via "page" and "size" parameters:
v1 or v2: "title": "Results Too Large", "detail": "The Page and Size search has exceeded

	<p>10,000 records (Page multiplied by Size). Please change the Page and Size accordingly."</p> <p>v3: "message": "Results Too Large","detail": "The Page and Size search has exceeded 10,000 records (Page multiplied by Size). Please change the Page and Size accordingly."</p> <p>12. More than 10 for "size" is requested:</p> <p>v1 or v2: "title": "size is < user requested size >","detail": "Size Cannot Exceed 10 Records"</p> <p>v3: "message": "size is < user requested size >","detail": "Size Cannot Exceed 10 Records"</p> <p>13. Missing "Basic Auth" under "Authorization" and missing System Account credentials:</p> <p>v1 or v2: No system account credentials are provided. Please provide credentials via basic authentication.</p> <p>14. Different IP Address than that mentioned in the System Account:</p> <p>v1 or v2: IP Addresses associated with this System Account are different from that sending the request. Please submit your requests from a valid system.</p> <p>15. API Key does not belong to the System Account:</p> <p>v1 or v2: System Account and API Key you have provided do not match. Please visit your System Account and obtain the API Key from there.</p> <p>16. System Account has a different value for "Type of Connection":</p> <p>v1 or v2: "title": "Connection type failure", "detail": "Insufficient privileges to perform the operation - System account must have Type of Connection as Restful",</p> <p>v3: "message": "Connection type failure", "detail": "Insufficient privileges to perform the operation - System account must have Type of Connection as Restful",</p> <p>17. If GET is used with System Accounts:</p> <p>v1 or v2: GET requests for Sensitive data are no longer supported. Please use POST requests to access the Sensitive Entity data.</p> <p>v3: "message": "Permission denied", "detail": "GET requests for Sensitive data are no longer supported. Please use POST requests to access the Sensitive Entity data.",</p> <p>18. Insufficient API Key privileges to download a JSON or CSV File:</p> <p>v1 or v2: The API Key is not authorized to access this < file type > Extract</p> <p>v3: The API Key is not authorized to access this < file type > Extract</p> <p>19. A non-existing Reps and Certs PDF file is requested:</p> <p>v1, v2, v3: The requested PDF File does not exist; the entity did not answer this type of Representations and Certifications data.</p> <p>20. If proceedingsData=Yes is sent on its own or in combination with includeSections=< a value other than integrityInformation >:</p> <p>v3: "message": "The search parameter 'proceedingsData' must be provided in conjunction with includeSections=integrityInformation."</p> <p>21. If proceedingsData=< a value other than Yes > is provided:</p> <p>v3: "message": "The search parameter 'proceedingsData' contains an invalid value - < user provided invalid value >."</p> <p>22. If proceedingsData parameter is sent in combination with samRegistered=No:</p> <p>v3: "message": "The search parameter 'proceedingsData' does not apply to unregistered (samRegistered=No) entities."</p>
401	<p>1. Missing "Basic Auth" under "Authorization" and missing System Account credentials:</p> <p>v3: "message": "The System Account Credentials are missing", "detail": "Please provide valid System Account User Name and Password."</p>

	<p>2. Providing "Basic Auth" under "Authorization", but missing or invalid System Account credentials: v1 or v2: Unauthorized v3: Unauthorized</p> <p>3. Different IP Address than that mentioned in the System Account: v3: "message": "Invalid IP Address", "detail": "The IP Addresses sending the API requests and the ones associated with the System Account must be the same.",</p> <p>4. API Key does not belong to the System Account: v3: "message": "System Account-API Key Mismatch", "detail": "The System Account and API Key you have provided do not match. Please refer to your System Account and obtain the API Key from there.",</p>
403 Forbidden	<p>1. Missing API Key: v1 or v2: No api_key was supplied in request body. Please submit with a valid API key. v3: No api_key was supplied in request body. Please submit with a valid API key.</p> <p>2. An invalid API Key: v1 or v2: An invalid API key was supplied. Please submit with a valid API key. v3: An invalid API key was supplied. Please submit with a valid API key.</p>
406	<p>1. Missing Accept Header: v1 or v2: "title": "Invalid Accept Header", "detail": "Request Header parameter needs to pass valid Accept value", v3: "message": "Missing or Invalid Request Header, Accept", "detail": "The allowable values are application/json, application/zip.",</p> <p>2. Invalid Accept Header: v1 or v2: "title": "Invalid Accept Header", "detail": "Could not find acceptable representation", v3: "title": "Invalid Accept Header", "detail": "Could not find acceptable representation",</p>
415 Unsupported Media Type	<p>Missing or Invalid Content-Type Header: v1 or v2: "title": "Invalid Content-Type Header", "detail": "Request Header parameter needs to pass valid Content-Type value", v3: "message": "Missing or Invalid Request Header, Content_Type", "detail": "The allowable value is application/json.",</p>
<p>NOTE: Error messages in v1 and v2 are returned in this fashion: httpStatus, title, detail, errorCode, source Error messages in v3 are returned in this fashion: Status, timestamp, message, detail, errorCode, transaction_id</p>	

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Examples

Example 1: Post April 3rd, 2022, I would like to obtain the registered entities that have undergone Address change and Name change resulting from EVS Monitoring.

- ▶ Request URL
- ▶ Response (JSON Output)

Example 2: Post April 3rd, 2022, I would like to obtain the publicly available not registered/ID Assigned entities.

- ▶ Request URL
- ▶ Response (JSON Output)

Example 3: Get the “entityRegistration” and “coreData” sections for all the “Joint Venture Women” or “Asian-Pacific” Entities that are registered for “All Awards” or “Federal Assistance Awards”.

- ▶ Request URL
- ▶ Response (JSON Output)

Example 4: Get Entities with no Hierarchy, a small hierarchy, and a large Hierarchy.

- ▶ Request URL
- ▶ Response (JSON Output)

Example 5: Get an Entity with no EVS Monitoring.

- ▶ Request URL
- ▶ Response (JSON Output)

Example 6: How do I obtain both the Public and NPDY registered “Responsibility & Integrity Record” data with my Public API Key?

- ▶ Request URL
- ▶ Response (JSON Output)

Example 7: How do I obtain both the Public and NPDY not registered/ID Assigned “Responsibility & Integrity Record” data with my Public API Key?

- ▶ Request URL
- ▶ Response (JSON Output)

Example 8: I have a Fed System Account and the Role required to access the not registered/ID Assigned entities. How can I obtain them?

- ▶ Request URL
- ▶ Response

Example 9: I would like to obtain an asynchronous CSV file of the Active registered entities.

- ▶ Request URL
- ▶ Response

Example 10: Get a JSON file of all the Entities using the POST request:

- ▶ Request URL
- ▶ Response

Additional Information

You can view the full details of the differences between the SAM legacy API and SAM.gov API available here: [Variance Document](#)

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Contact Us

- Reach out to the SAM.gov team at www.fsd.gov for inquiries and help desk support.
 - Before contacting the help desk, conduct your own initial troubleshooting
 - Conduct a recent review of the open.gsa.gov/api specifications
 - Confirm you are using an API tool, not a browser to send the request. (FOUO & Sensitive Calls)
 - Confirm you are using the username/password for the system account that created the API key in the authentication header. (Sensitive Calls)
 - Confirm you used POST and not GET for this request (Sensitive Calls)
 - Confirm that the API key is from a system account (FOUO & Sensitive Calls)
 - Confirm that the API key being used is still active

- Confirm that the system account you are using has “read fouo” or “read sensitive” permissions as applicable (FOUO & Sensitive Calls)
- **Confirm that the IP addresses registered with your system account are current**
- When submitting help desk tickets for API or system connection issues, provide the following:
 - The exact API requests that you were trying to send
 - The exact error messages that you were receiving
 - The exact dates and times when you received the errors
 - Screenshots (with the actual API request and the error) [Attach to the ticket]
 - The System Account ID/Name that was trying to make API calls
 - Screenshots of the parameters used for API call [Attach to the ticket]
 - Screenshots of the Headers used for the API call [Attach to the ticket]
- Users requesting access to the test site (alpha.sam.gov) should follow the below steps. These steps ONLY apply to alpha.sam.gov access requests.
 1. Navigate to www.fsd.gov
 2. Sign into the FSD platform using your FSD credentials
 3. Select “Create an Incident”
 4. Create an Incident
 - a. **System Name:** System for Award Management (SAM)
 - b. **Is this related to the American Rescue Plan Act?:** No
 - c. **Issue Type:** Other
 - d. **Business Type:** Other
 - e. **Subject (select 1):**
 - i. **Option A:** I need a role to test in alpha.sam.gov.
 - ii. **Option B:** System account approval in alpha.sam.gov
 - f. **Please describe the issue:** (Copy and paste the below information into the ticket, filling in your information within the brackets)
 - i. **Option A:** I have already navigated to alpha.sam.gov and created a user account, following the same steps for [creating an account](#) in sam.gov. I would like to conduct testing but do not have the necessary role(s) in alpha.sam.gov. The account that needs role assignment is associated with [EMAIL ADDRESS]. I request a [ROLE] role for the [DOMAIN] domain in alpha.sam.gov.
 - ii. **Option B:** I am creating/editing a system account and have submitted my account in alpha.sam.gov for approval. I would like to request alpha.sam.gov system account review and approval for [Name of the alpha.sam.gov system account].

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Change Log

Date	Version	Description
06/03/2019	v0.9	Base Version
07/03/2019	v1.0	<ul style="list-style-type: none"> * Alpha endpoint for the Sensitive version of the API has been added. * agencyBusinessPurposeCode, agencyBusinessPurposeDesc, bondingLevels, companySecurityLevelCode,

Date	Version	Description
		<p>companySecurityLevelDesc, highestEmployeeSecurityLevelCode, highestEmployeeSecurityLevelDesc were added to FOUO and Sensitive api's schema.</p> <ul style="list-style-type: none"> * New Filters agencyBusinessPurposeCode, companySecurityLevelCode and highestEmployeeSecurityLevelCode have been added for FOUO and Sensitive api's. * country and stateOrProvince were updated to countryCode and stateOrProvinceCode across all versions of api. * ediInformationFlag was added across all versions of api. * geographicalAreaServedmetropolitanStatisticalAreaCode, geographicalAreaServedmetropolitanStatisticalAreaName were added across all versions of api instead of geographicalAreaServedMSAName. * certificationEntryDate, certificationExitDate were added to SBA Business Types across all versions of api instead of expirationDate. * updateDate was added as a filter across all versions of api.
08/15/2019	v1.1	<ul style="list-style-type: none"> * Alpha endpoints for public and FOUO API were updated from version 0.9 to version 1.0. * Warning message added under Getting Started to inform users of API version changes. *Added Beta.SAM.Gov to the page title.
09/25/2019	v1.2	Beta endpoints for public and FOUO API were updated from version 0.9 to version 1.0.
11/25/2019	v1.3	<ul style="list-style-type: none"> * Added D&B Disclaimer in the Additional Information section. * Updated the specifications to include parameters and fields that will be included in v2 of the API.
12/20/2019	v1.4	<ul style="list-style-type: none"> * Removed Email, Fax, US phone number and non-us phone number from public poc sections for v2. * Added "COMING SOON" section for upcoming changes to Alpha and Beta endpoints to meet new API standards.
02/25/2020	v1.5	<ul style="list-style-type: none"> * Added Examples for v2 requests and responses. * Updated Alpha endpoint to meet new API standards.
02/28/2020	v1.6	<ul style="list-style-type: none"> * Updated Beta endpoint to meet new API standards. * Removed "COMING SOON" information in Getting Started section.
05/04/2020	v1.7	* Added V2 endpoint information.
06/10/2020	v1.8	* Added the endpoint, new process and an example for the Sensitive API .
08/17/2020	v1.9	<ul style="list-style-type: none"> * The "Sensitive API Process" subsection under the "Sensitive API Information" section has been updated with additional steps for sending Sensitive requests (sending "Accept" and "Content-Type" parameters). * The Sample Request Header screenshots under "Example 13" have been updated to reflect the new parameters as well. Two new codes (406, 415) have been added in the "HTTP Response Codes" section.

Date	Version	Description
10/15/2020	v2.0	<ul style="list-style-type: none"> * Updated the description for the correspondenceFlag field * Added the http response code description when providing the entityEFTIndicator parameter without providing the ueiDUNS or ueiSAM parameter. * Updated the description for the entityEFTIndicator parameter.
12/07/2020	v2.1	<ul style="list-style-type: none"> * Updated the Sensitive response documentation to include mpin. * Updated the Query String Parameters to include the sbaBusinessTypeCode, sbaBusinessTypeDesc, companySecurityLevelDesc, highestEmployeeSecurityLevelDesc, and agencyBusinessPurposeDesc. * Updated the definitions and examples in the Query String Parameters. * Updated emailId parameter description. * Updated sensitivity parameter description. * Corrected zip code related fields in V1 dnbMonitoring and samMonitoring sections.
01/22/2021	v2.2	<ul style="list-style-type: none"> * Added the highlighted changes message under the “Getting Started” section. * Updated the repsAndCerts schema for Public, FOUO, and Sensitive. * Added note to the noPublicDisplayFlag field in the response. * Added the Beta V2 endpoints.
02/05/2021	v2.3	<ul style="list-style-type: none"> * Added message to includeSections that user can provide “All”. * Added message about special characters that cannot be used in API request. * Updated the exclusionStatusFlag definition.
03/12/2021	v2.4	<ul style="list-style-type: none"> * Added Http Response for invalid IP address. * Added note to sensitivity parameter explaining use of POST call. * Added note under repsAndCerts section about use with format parameter. * Added NOTE under FOUO API Information Expected Results section and Sensitive API Information Sensitive API Process sections mentioning only system account keys can be used to access data. * Removed the message stating that this page is not FireFox compliant.
04/08/2021	v2.5	<ul style="list-style-type: none"> * Updated Contact Us information. * Updated pointsOfContact fields information for public api. * Updated Application Level Error Messages in HTTP Response Codes section.

Date	Version	Description
05/12/2021	v2.6	<ul style="list-style-type: none"> * Updated instances of beta.sam.gov to SAM.gov. * Removed non-relevant information for Beta api.
07/16/2021	v2.7	<ul style="list-style-type: none"> * Updated the instructions on sending “Basic Auth” under the “Authorization” header. * Added the Type of Connections and Rate Limits table. * Updated the Contact Us information. * Added example curl requests. * Updated the examples.
07/20/2021	v2.8	<ul style="list-style-type: none"> * Added v3 documentation. * Updated OpenAPI specification file. * Updated HTTP Response Codes. * Added v3 Examples.
09/21/2021	v2.9	<ul style="list-style-type: none"> * Added the “Additional Help References” section.
10/06/2021	v3.0	<ul style="list-style-type: none"> * Updated the “Contact Us” section.
10/21/2021	v3.1	<ul style="list-style-type: none"> * Updated Examples - Added Example 1 and Example 2 to indicate the post April 3rd, 2022 behavior. * Added error messages #23 and #24 to the 400 level http response codes. * Added the Version 3 endpoint. * Added notes in the Query String Parameters, Expected Result and HTTP Response Codes sections to highlight the until and after April 3rd, 2022 behavior.
02/01/2022	v3.2	<ul style="list-style-type: none"> * Update the OpenAPI Specification File to include the V3 endpoints. * Updated the OpenAPI Specification File to reflect the correct behavior for the V3 exclusionsStatusFlag parameter.
04/04/2022	v3.3	<ul style="list-style-type: none"> * Removed duns information from the documentation.
08/08/2022	v3.4	<ul style="list-style-type: none"> * Updated to clarify the use of Controlled Unclassified Information (CUI) data.
08/10/2022	v3.5	<ul style="list-style-type: none"> * Introduced a header to clearly distinguish the applicability of the section or sub-section to the registered entities and/or unregistered/ID Assigned entities. * Included the “Responsibility & Integrity Record” API changes in the “API Description” and “Examples” sections.
09/19/2022	v3.6	<ul style="list-style-type: none"> * Updated “Description” for includeSections in the “Query String Parameters” section. * Updated “entitySummary Sub Section” in the “Response Schema” section.

Date	Version	Description
		<ul style="list-style-type: none"> * Added “responsibilityInformationCount Sub Section” in the “Response Schema” section. * Updated the “Examples” section - modified Example 6, added Example 7 and revised numbering of other Examples accordingly.
10/19/2022	v3.7	<ul style="list-style-type: none"> * Added a new Public search parameter, “proceedingsData” in the “API Description” - “Query String Parameters” section. * Added new validation rules for “proceedingsData” in the “HTTP Response Codes” section. * Updated the yaml file to include proceedingsData as a search parameter.
10/25/2022	v3.8	<ul style="list-style-type: none"> * Updated the response schema for the API Description □ Response Schema □ integrityInformation □ proceedingsData Sub Section to show the newly added field, “proceedingsRecordCount”. * Updated Example 6 □ Response (JSON Output) to show the newly added field, “proceedingsRecordCount”. * Updated Reps and Certs help documentation.
11/25/2022	v3.9	<ul style="list-style-type: none"> * Updated SAM Functional Data Dictionary □ Removed DUNS/D&B References.
01/17/2023	v4.0	<ul style="list-style-type: none"> * Uploaded a revised Data Dictionary with data fields arranged in the Alphabetical order.
01/30/2023	v4.1	<ul style="list-style-type: none"> * Uploaded a revised Data Dictionary with data fields added for Proceedings and Responsibility/Qualification.
02/28/2023	v4.2	<ul style="list-style-type: none"> * Removed MPIN occurrences from the Data Dictionary and the “Overview” > “Sensitive (CUI) Data” section. * Indicated that MPIN has been deprecated in the “Response Schema” > “coreData” > “entityInformation Sub Section”.
06/27/2023	v4.3	<ul style="list-style-type: none"> * Uploaded a revised Data Dictionary with updated Socio Economic Self Selections.
08/22/2023	v4.4	<ul style="list-style-type: none"> * Uploaded a revised Data Dictionary with updated Business Types.
09/29/2023	v4.5	<ul style="list-style-type: none"> * Updated “Additional Help References” documentation to link to SAM.gov Data Services page.
12/06/2024	v4.6	<ul style="list-style-type: none"> * A new V4 Entity Management API has been created, enabling the response for the Exceeds Domestic Threshold field within the Reps and Certs section of the API response. As part of this change, below are the associated changes made to this OpenGSA page: * Added Entity Management V4 endpoint information to the Getting Started section. * Updated the API Description -> Query String Parameters and Response Schema sub-sections to reflect available parameters and response fields in V4. * Updated the OpenAPI Specification File to include the V4 endpoints.

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