



Sprocket Logic

API Version Log File Audit – User Guide

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Overview

The **API Version Log File Audit** application provides the ability to review your SOAP, REST, and BULK API Version usage via the event log files. Based on configuration violation conditions, the Audit generates a list of violations that need to be mitigated in your instance.

Examples/Use Cases

There are several ways to leverage the API Version Log File Audit application. Here are a number of examples:

Depreciation and Retirement Only Mode

Salesforce periodically depreciates and retirements old versions of the API. For example, Salesforce recently sent notifications on the eventual retirement of API Versions 7.0 through 30.0.

In Summer '21, the following API versions have been depreciated. They will be retired in Summer '22.

- SOAP: 7.0, 8.0, 9.0, 10.0, 11.0, 11.1, 12.0, 13.0, 14.0, 15.0, 16.0, 17.0, 18.0, 19.0, 20.0
- REST: v20.0
- Bulk: 16.0, 17.0, 18.0, 19.0, 20.0

In Summer '22, the following API version will be depreciated. They will be retired in Summer '23.

- SOAP: 21.0, 22.0, 23.0, 24.0, 25.0, 26.0, 27.0, 28.0, 29.0, 30.0
- REST: v21.0, v22.0, v23.0, v24.0, v25.0, v26.0, v27.0, v28.0, v29.0, v30.0
- Bulk: 21.0, 22.0, 23.0, 24.0, 25.0, 26.0, 27.0, 28.0, 29.0, 30.0

If only interest in evaluation API Version for depreciated and retiring API Versions:

- (1) Set up the CMDT to identify the violation versions (for example 7.0 – 20.0 and 21.0 – 30.0).
- (2) Set the CMDT to 30 days (The Event Log will hold a maximum of 30 days of data).
- (3) Run the Audit log and mitigate the results.
- (4) If integrations exist that have not run in the past 30 days or does not run at least once a month,
 - a. Update the CMDT to 1 day
 - b. Schedule the batch the run nightly



Recommended Mode

Salesforce general depreciates and retires functionality once it is significantly outdated. Simply maintaining API Versions ahead of these retirements means your implementation is running code that could be 5-10+ years old. In other words, your implementation is not benefiting from the continual improvements on the platform.

It is our belief that every instance should implement an API Version strategy. For example, an instance strategy could involve always staying within 5 versions of the current release. By doing so, your implementation is leveraging the latest and greatest performance and functionality improvements from Salesforce.

To leverage the API Version Log File Audit to assist in this API Version strategy:

- (1) Set up the CMDT to identify any immediate violation versions such as those scheduled for retirement (for example 7.0 – 20.0 and 21.0 – 30.0).
- (2) Set up the CMDT to identify API Versions not adhering to your API Version strategy (for example 31.0 – 48.0).
- (3) Set the CMDT for a retro audit by setting the days to 30 day (The Event Log will hold a maximum of 30 days of data).
- (4) Run the Audit log and mitigate the results.
- (5) Set the CMDT for ongoing analysis, such as 7 days.
- (6) Schedule the API Version Log File Audit to run weekly (reviewing the log files for the past 7 days)

API Version Log File Audit Installation

The API Version Log File Audit installation link will be provided to you by Sproket Logic. The link will kick off the same installation process that occurs when installing applications from the AppExchange.

During the installation process, leave all selected defaults and install for Administrators only.

API Version Log File Audit Configuration

Upon installation of the Email Scrubber application, some configuration options will be defaulted into the instance. Please review the defaults to insure they correspond with your requirements.

1. Review 'API Version Monitors' Custom Metadata Type
2. Review 'API Audit Email' Custom Metadata Type



'API Version Monitors' Custom Metadata Type

Upon installation of the API Version Log File Audit application, there will be a default configuration for the found in the Salesforce Setup menu under Custom Metadata Types. The purpose of this Custom Metadata Type (CMDT) is to set the API Version Violations versions and descriptions.

To view or modify the existing setup, follow the steps below:

- From the **Salesforce Classic User Interface**
 - a. In the top right-hand corner, click Setup
 - b. In the Quick Find/Search box in the left-hand navigation pane, type "Custom Metadata Types"
 - c. Click on **Custom Metadata Types** under the Build → Develop folder
- From the **Lightning User Interface**
 - a. Click the small Gear icon in the top right-hand corner and click Setup from the dropdown menu
 - b. From the Quick Find box in the left-hand navigation pane, type "Custom Metadata Types"
 - c. Click on **Custom Metadata Types** under the Custom Code folder
- Click **Manage Records** next to 'API Version Monitor'
- You will then be presented with the configuration options for the default setup

API Version Monitor (Managed)

 This API Version Monitor is managed, meaning that you may only edit certain attributes. [Display More Information](#)

API Version Monitor Detail		Edit	Clone
Label	Please Monitor	Protected Component	☐
API Version Monitor Name	PleaseMonitor	Namespace Prefix	APIVersionAudit
Minimum API Version	31		
Maximum API Version	47		
Warning Message	Versions 31+ are not currently slated for retirement. However, these are outdated version and could be limiting functionality and or performance.		
Created By	sean.felding, 12/29/2021, 10:22 AM		Last Modified By
	Edit		Clone

-
- **Label (MasterLabel)**
 - The name of the Label
 - **Developer Name (DeveloperName)**
 - This will default to the same value set in the 'Label' field
 - **Minimum API Version**
 - The lower bound of the API Versions being searched
 - **Maximum API Version**
 - The upper bound of the API Version being searched
 - **Warning Message**
 - The warning message to display in the audit email



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 - c. Click on **Custom Metadata Types** under the Custom Code folder
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- You will then be presented with the configuration options for the default setup

This API Audit Email is managed, meaning that you may only edit certain attributes. [Display More Information](#)

API Audit Email Detail

EditClone

Label	Default	Protected Component	
API Audit Email Name	Default	Namespace Prefix	API/VersionAudit
is Active	☒		
Send When Violations Found	☒		
Last X Days	30		

New Section

Email Distribution List

Email Subject

Your API Version Log File Audit

Email HTML

<body style="margin: 0; padding: 0;">
<table border="0" cellpadding="0" cellspacing="0" width="100%">
<tr>
<td align="center" cellpadding="0" cellspacing="0" width="640" style="border-collapse: collapse; border: 5px solid gray;">

<td>
<table align="center" border="0" cellpadding="0" cellspacing="0" width="640" style="border: "0">
<tr>
<td align="center" bgcolor="#243665" style="color:#8BD8BD;padding: 20px 0 20px 0;font-family: Helvetica; font-size: 35px;">
API Version Log File Audit
</td>
</tr>
<tr>
<td align="center" style="padding: 10px 10px 10px 10px;">
<table border="0" cellpadding="0" cellspacing="0" width="100%">
<tr>
<td align="center" style="color: #153643; font-family: Helvetica; font-size: 24px;">

<td align="center" style="padding: 0px 0px 0px 14px;">
Log file(s) contains total log entries! total log entries. Of those -totalFlagged have have been flagged for review-

-Use Workbench to review the file in more detail using /services/data/v52.0/objects/EventLogFile//logfile//LogFile.

</td>
</tr>
</table>
</td>
</tr>

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- **Developer Name (DeveloperName)**
 - This will default to the same value set in the 'Label' field
- **Is Active**
 - The Audit searches for the Active configuration
- **Send When Violations Found**
 - If set to true, the email is only sent when an API Version Violation is found. If set to false, the email is sent on every run
- **Last X Days**
 - Indicates the number of days back to search the Log Files.
- **Email Distribution**
 - Comma separated list of email recipients
- **Email Subject**
 - The subject of the email
- **Email HTML**
 - The HTML of the email message. NOTE: This can be modified, but
 - Take note of the variables as identified by !!var!!.
 - Do not disrupt any comments as these are required for a correct generation of the HTML

Leveraging API Version Log File Audit App

By default, the API Version Log File Audit application is designed to as a simple scheduled process that sends an email audit as a result. Simply configure the CMDTs and schedule the batch.

Schedule Apex

Schedule an Apex class that implements the 'Schedulable' interface to be automatically executed on a weekly or monthly interval.

Job Name:

Apex Class:

Schedule Apex Execution

Frequency: ☒ Weekly ☐ Monthly

Recurs every week on

- ☐ Sunday
- ☐ Monday
- ☒ Tuesday
- ☐ Wednesday
- ☐ Thursday
- ☐ Friday
- ☐ Saturday

Start:

End:

Preferred Start Time:

Exact start time will depend on job queue activity.



API Version Log File Audit Email

The API Version Log File Audit will generate an email, sent to the configured distribution list, with a result similar to the following.

API Version Log File Audit

Log [REDACTED] contains 1 total log entries. Of those, **1 have have been flagged for review.**

Use Workbench to review the file in more detail using
/services/data/v52.0/objects/EventLogFile/[REDACTED]/LogFile.

The Summary Data provides a snapshot of the log entries discovered.

API Version	Count	Unique Count	Minimum Version	Maximum Version	Message
21	1	1	21	30	API versions 21.0 through 30.0 will be retired and made unavailable during the Summer '23 release.

The Unique Records summary provides details on the unique Api Audit Version records flagged.

API Version	UserId	Family	Resource	ClientName
21	[REDACTED]	SOAP	query	DocuSign/Connect/

Event Log Utility © 2022
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