AUTOMATING FASCSA NOTIFICATIONS

General Services Administration | Federal Acquisition Service Office of Information Technology Category

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Keywords:

Cybersecurity supply chain risk management (C-SCRM), automation

Summary:

To reduce manual labor, human error, and response time to important information, Fernando worked with GSA ITC to create an automated email notification system. Using **Google Apps Script/JavaScript**, Fernando set up a script to check for FASCSA orders on a daily basis, sending out an email if it detects any new orders. This system will eliminate the task of regularly manually checking for new FASCSA orders for its 25+ users, reducing cognitive load and allowing for a quicker response time.

GSA ITC Showcase

Fernando Panepinto Hattori

Diverse Projects In Various Areas

- Performed light and full vendor risk assessments

- Simulated attacks in the cyber range

- Created an automated system to notify users of new FASCSA orders

- Developed searches to find refurbished phones on GSA Advantage

- Researched how IT product manufacturers maintain supply chain security

- Used ChatGPT to perform policy analysis on the NDAA

- Automated the creation of spend analysis slides through Google Sheets

What is the FASCSA?

Federal Acquisition Supply Chain Security Act (FASCSA)

- Aims to enhance federal supply chain security

- Establishes the Federal Acquisition Security Council

- Allows this council to issue "FASCSA orders" to exclude or remove covered sources or articles from the federal supply chain

- Federal agencies cannot procure a covered article, and must remove it from their systems if a removal order has been issued

- FASCSA orders can be found on sam.gov

ITC Must Comply with the FASCSA

- ITC contracts must comply with laws, regulations, and FAS C-SCRM policies

- A tabletop simulation revealed that there was no way to know if a new FASCSA order had been issued, outside of constant manual checks

- Automation would allow ITC to stay ahead of potential issues and reduce workload while still performing due diligence

- Eliminate time spent checking for new FASCSA orders when there are none

Viewing Orders is a Tedious Process

Click download, scroll through terms of use, and click agree.

Upload the CSV file to Google Drive to view the FASCSA orders.

01 —— 02 —— 03 —— 04

Access FASCSA orders page on sam.gov.

Download the CSV file on to your local machine.
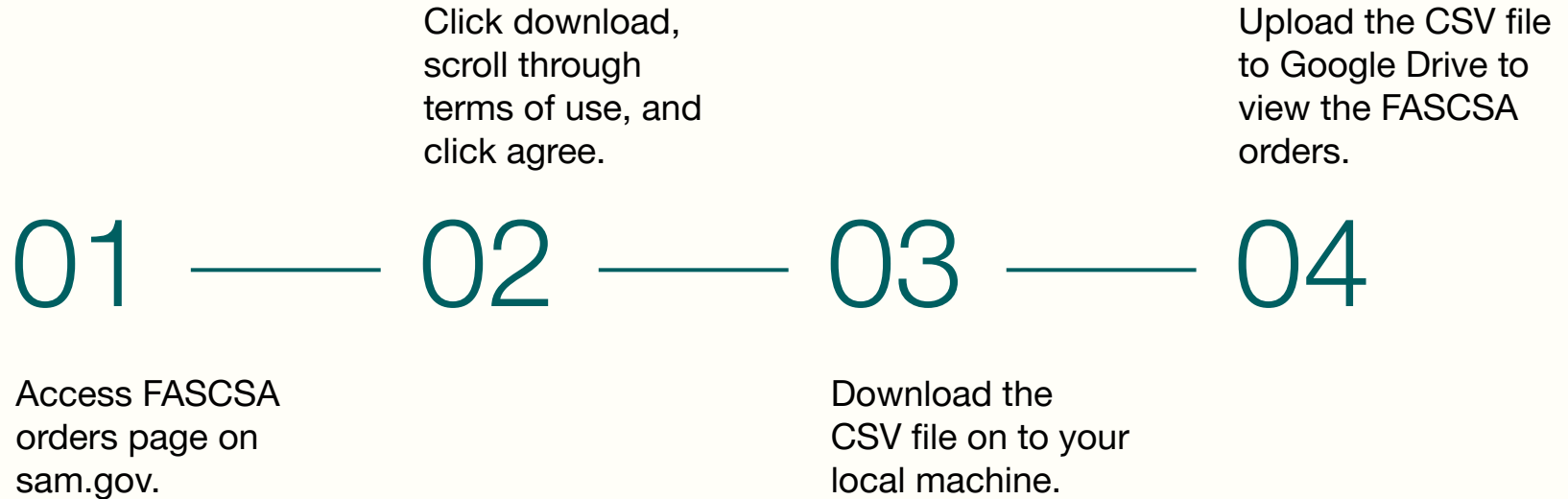
A Cluttered Downloads Folder

Name	Type	Size
☐		
FASCSAOrders24225	Microsoft Excel Com…	1 KB
FASCSAOrders24222	Microsoft Excel Com…	1 KB
FASCSAOrders24221	Microsoft Excel Com…	1 KB
FASCSAOrders24220	Microsoft Excel Com…	1 KB
FASCSAOrders24219	Microsoft Excel Com…	1 KB
FASCSAOrders24218	Microsoft Excel Com…	1 KB
FASCSAOrders24215	Microsoft Excel Com…	1 KB
FASCSAOrders24214	Microsoft Excel Com…	1 KB
FASCSAOrders24213	Microsoft Excel Com…	1 KB
FASCSAOrders24212	Microsoft Excel Com…	1 KB

…And a Cluttered Drive

📄	FASCSAOrders24225.csv	👤 me
📄	FASCSAOrders24222.csv	👤 me
📄	FASCSAOrders24221.csv	👤 me
📄	FASCSAOrders24220.csv	👤 me
📄	FASCSAOrders24219.csv	👤 me
📄	FASCSAOrders24218.csv	👤 me
📄	FASCSAOrders24215.csv	👤 me
📄	FASCSAOrders24214.csv	👤 me

Convenient Automated Notification System

- Uses sam.gov's API, to automatically check for changes daily

- Only sends out a notification email to the mailing list when changes are detected

- The FASCSA Orders CSV is attached to the email and can be viewed immediately

- Upkeep: Update mailing list and renew API key (90 days)

New FASCSA Order Notification

ITC FASCSA Notifications <noreply@gsa.gov>   1:45 PM (0 minutes ago)

to me ▼

There is at least one new FASCSA order in SAM.

FASCSA orders are a type of supply chain security order governed by the Federal Acquisition Supply Chain Security Act of 2018 and the Federal Acquisition Security Council final rule for complying with exclusion or removal orders and sharing certain supply chain risk information. The most recent list has been attached for your convenience.

Refer to the GSA Acquisition Policy Library to determine what action(s), if any, you must take.

One attachment • Scanned by Gmail ⓘ

📄 FASCSA_Exclusio...

Use Google Apps Script's Email Function

```
for(let i = 0; i< emails.length; i++){
  MailApp.sendEmail({
  to: emails[i][0],
  subject: 'New FASCSA Order Notification',
  htmlBody: body,
  attachments: [attachmentFile], name: "ITC FASCSA Notifications", noReply: true }
);
```

Uses Simple, Native Google Apps

Single function to send emails through GMail, no API calls required

Mailing list is kept in Google Sheets and freely adjustable

Orders are archived in Drive folders

Sets functions to run automatically every day at midnight with Google Apps Script Trigger

Reduce Hassles Through Automation

- Enables the acquisition workforce to perform their due diligence to comply with FASCSA orders

- Reduces the cognitive load of having to remember and perform a repetitive task

- Reduces human error and time spent searching for FASCSA orders even when there are none

- Eliminates a manual task for 25+ users

- Demonstrates the value of using the Google environment to automate tasks

ITC & Coding It Forward's Impact on Me

The complexity of government acquisition

How vendor risk assessments are carried out, what they look for, how risk is calculated

The importance of supply chain security

The future of AI, its limitations, and usage in government

JavaScript/Google Apps Script, automation with Google

Thank you!

Questions?