Google Suite Tools for collaboration at NIST

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Platform Services Division, OISM, NIST

February 13, 2018

Overview

- Google Groups
- Access at NIST
- Google Accounts
  - Free accounts
  - Paid accounts
- Paid account features
  - Google sites
  - Team Drive
  - Security monitoring

Groups – https://groups.google.com

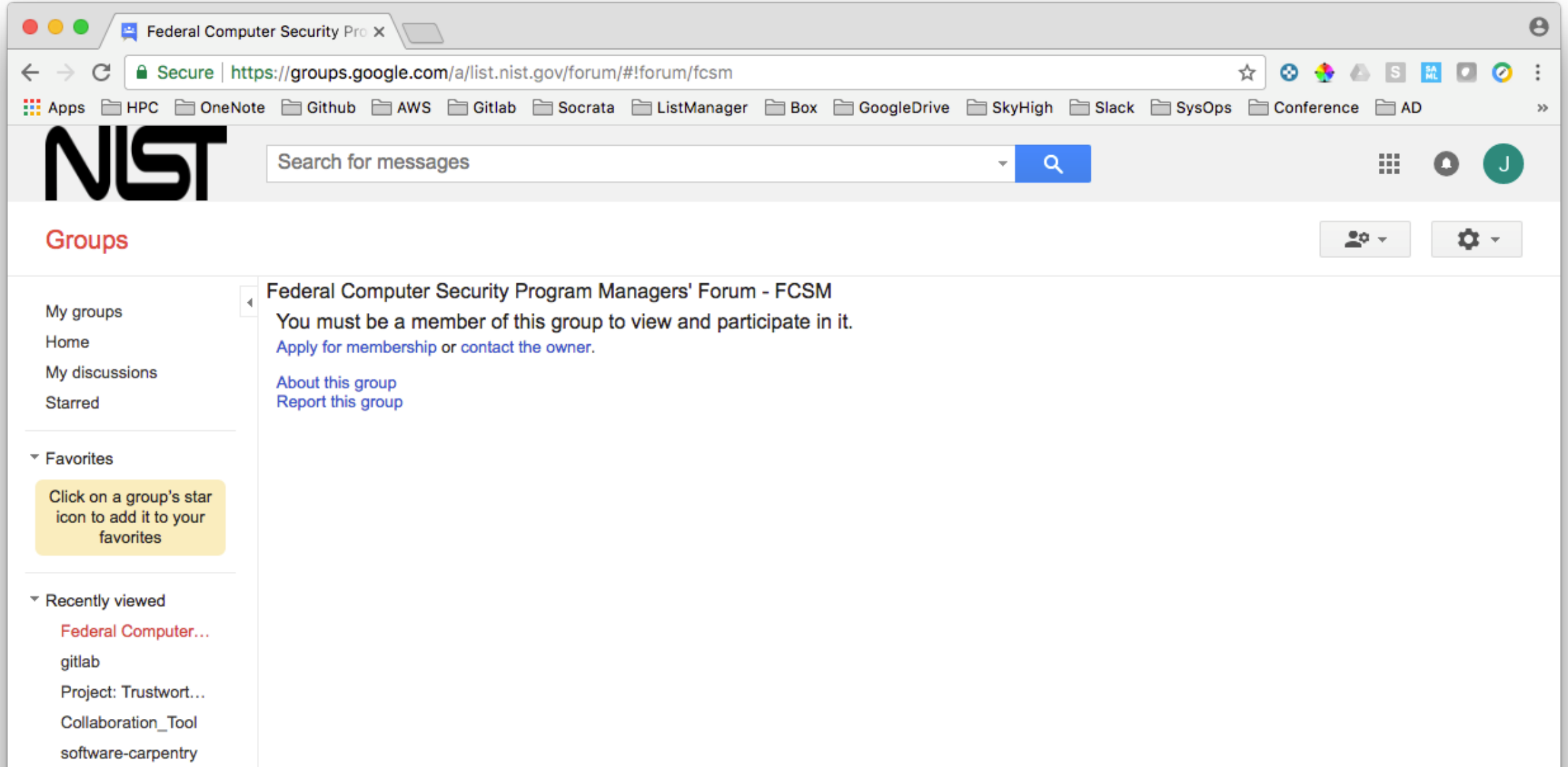
- New lists:
  - Request one here: https://psd.oism.nist.gov/list
  - [listName]@list.nist.gov
    - Subscribe: [listName]+subscribe@list.nist.gov
  - Unlike legacy lists, archives are accessible, and can be made publically accessible.
- Subscribers do not need Gmail or google accounts. **Google accounts** are needed to view private archives.

FCSM

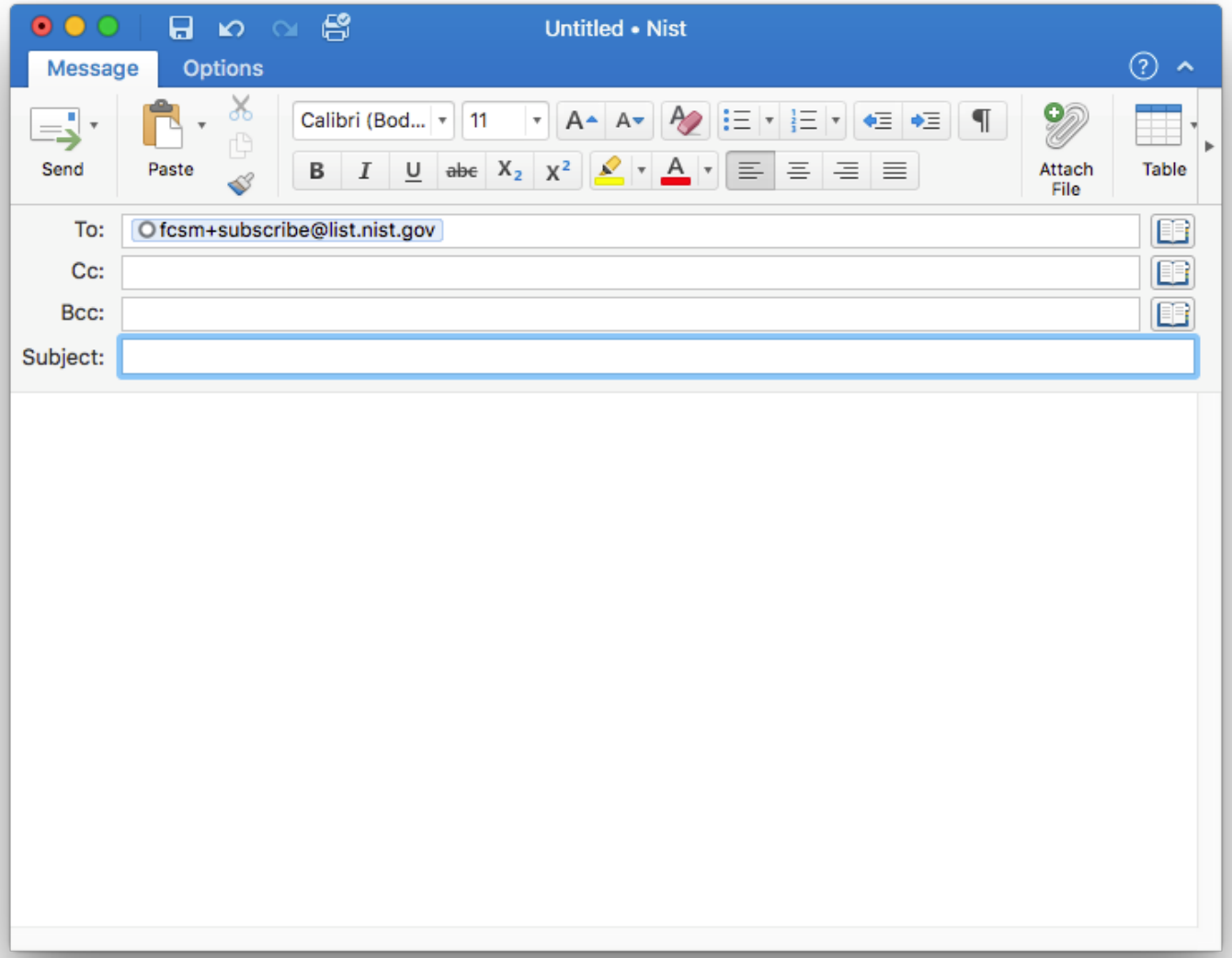
- Two ways to access:
  - Inside NIST: https://list.nist.gov/fcsm
  - Outside NIST: https://groups.google.com/a/list.nist.gov/forum/#!forum/fcsm

- Was on NIST mailman server
  - Archives, subscribers moves to Google Groups

Groups

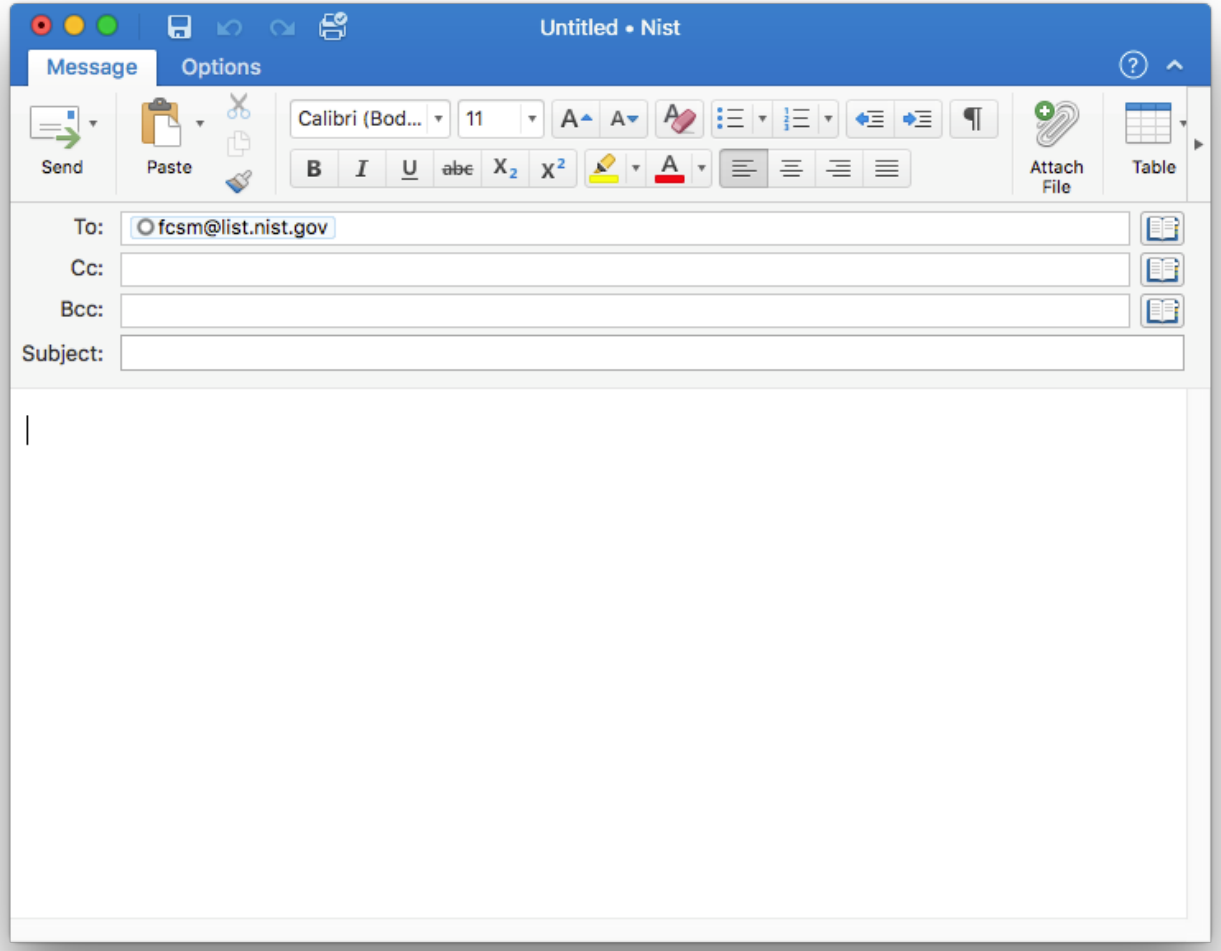

Federal Computer Security Pro
Secure | https://groups.google.com/a/list.nist.gov/forum/#!forum/fcsm
Apps HPC OneNote Github AWS Gitlab Socrata ListManager Box GoogleDrive SkyHigh Slack SysOps Conference AD
NIST
Search for messages
J
Groups
My groups
Home
My discussions
Starred
Favorites
Click on a group's star icon to add it to your favorites
Recently viewed
Federal Computer…
gitlab
Project: Trustwort…
Collaboration_Tool
software-carpentry
Federal Computer Security Program Managers' Forum - FCSM
You must be a member of this group to view and participate in it.
Apply for membership or contact the owner.
About this group
Report this group

Subscribing



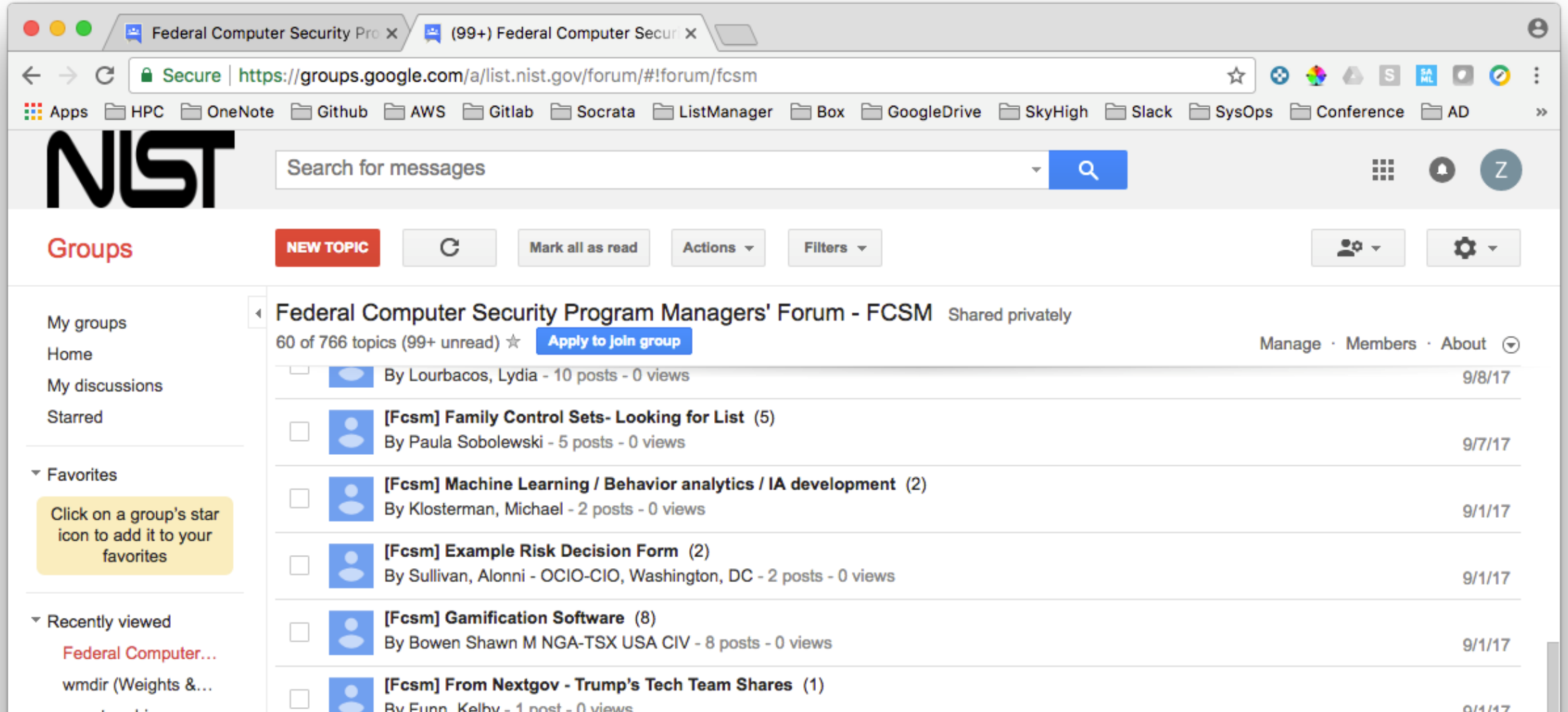
- Anyone, from any email address can request to subscribe
- Owner approves request

Posting

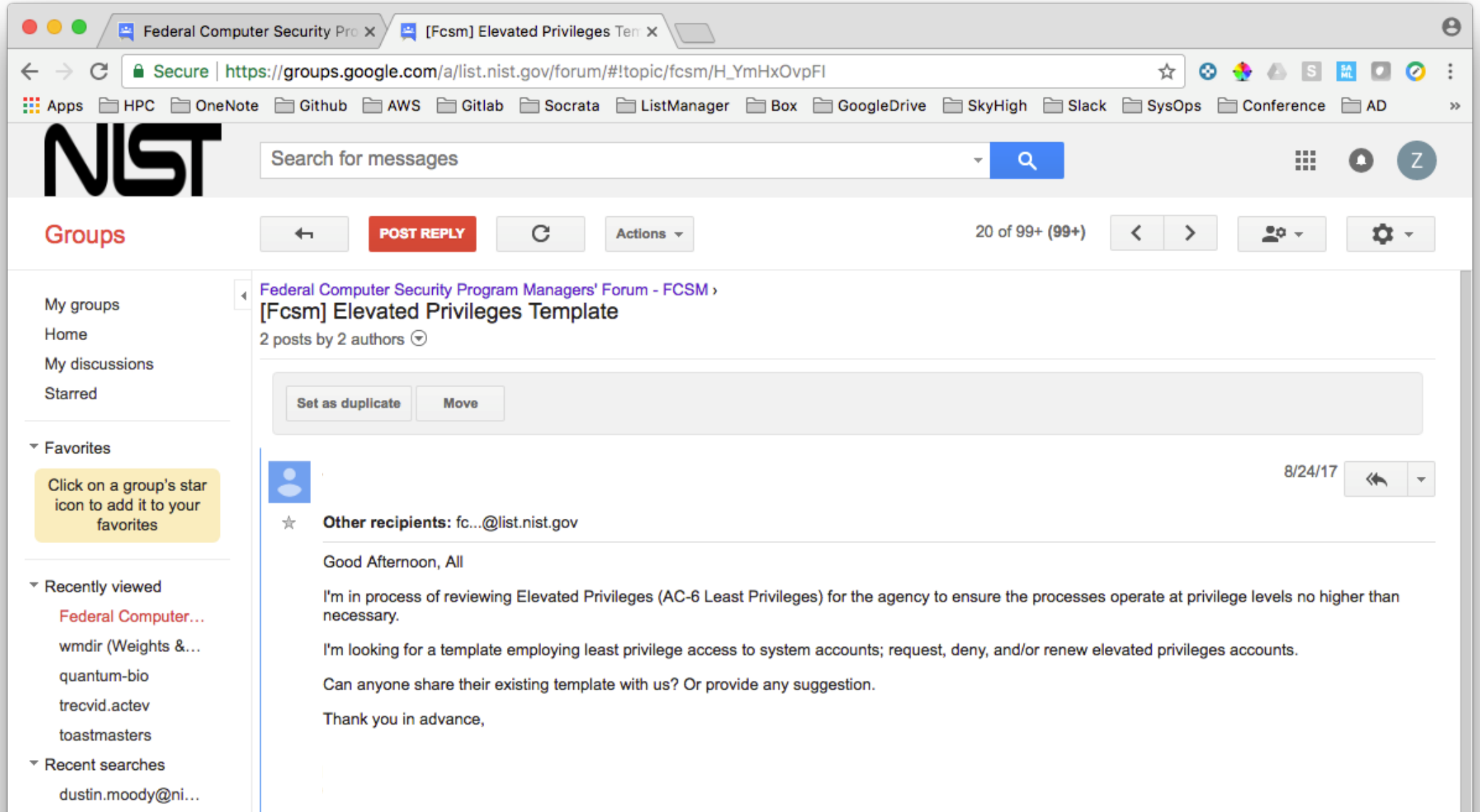


- Some lists are moderated, fcsm is not
- All subjects will have [fcsm] prepended
- Message received by over 1,000 subscribers

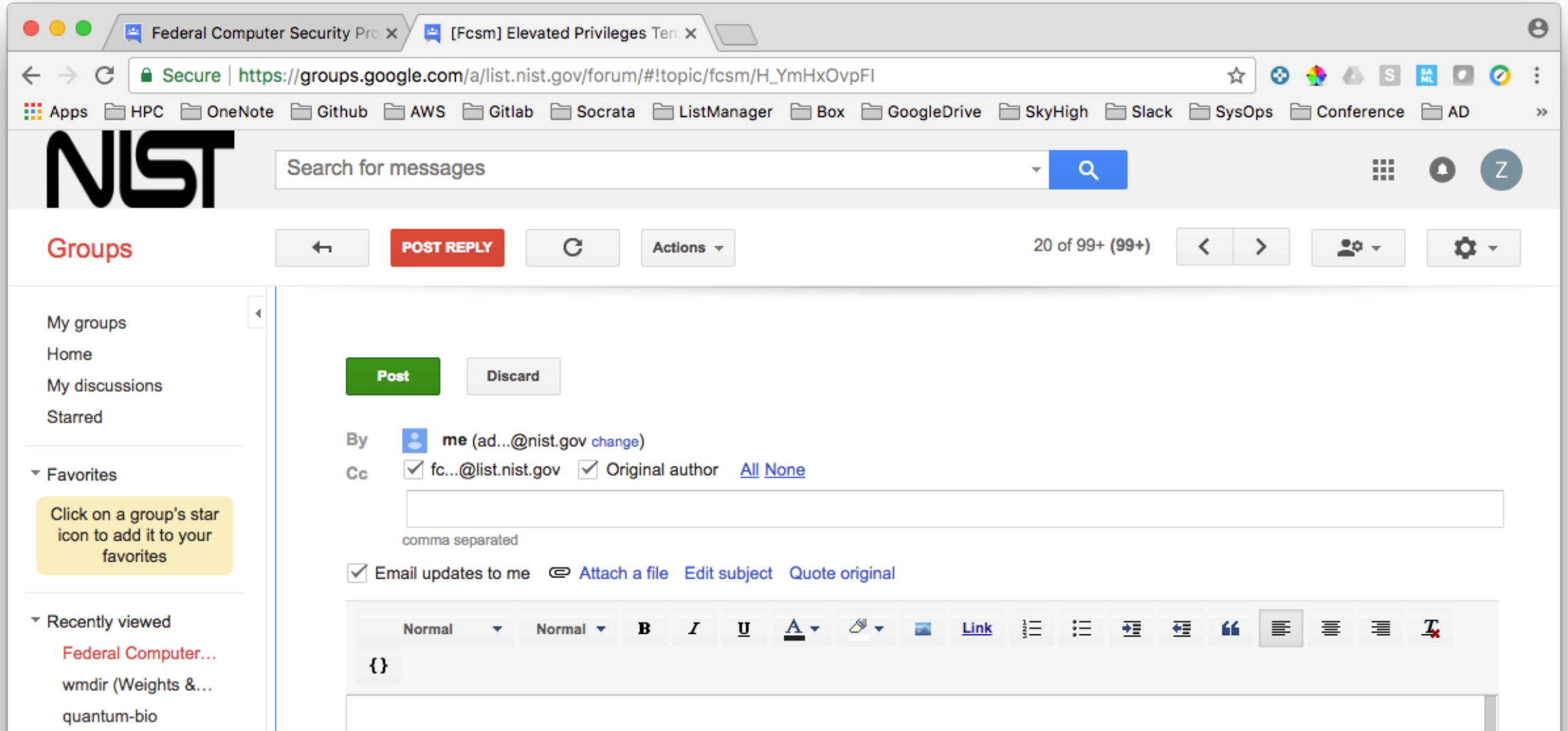
Archives


Federal Computer Security Pro
(99+) Federal Computer Secur
Secure | https://groups.google.com/a/list.nist.gov/forum/#!forum/fcsm
Apps HPC OneNote Github AWS Gitlab Socrata ListManager Box GoogleDrive SkyHigh Slack SysOps Conference AD
NIST
Search for messages
Groups
NEW TOPIC
Mark all as read
Actions
Filters
My groups
Home
My discussions
Starred
Favorites
Click on a group's star icon to add it to your favorites
Recently viewed
Federal Computer...
wmdir (Weights &...
Federal Computer Security Program Managers' Forum - FCSM
Shared privately
60 of 766 topics (99+ unread)
Apply to join group
Manage · Members · About
By Lourbacos, Lydia - 10 posts - 0 views 9/8/17
[Fcsm] Family Control Sets- Looking for List (5)
By Paula Sobolewski - 5 posts - 0 views 9/7/17
[Fcsm] Machine Learning / Behavior analytics / IA development (2)
By Klosterman, Michael - 2 posts - 0 views 9/1/17
[Fcsm] Example Risk Decision Form (2)
By Sullivan, Alonni - OCIO-CIO, Washington, DC - 2 posts - 0 views 9/1/17
[Fcsm] Gamification Software (8)
By Bowen Shawn M NGA-TSX USA CIV - 8 posts - 0 views 9/1/17
[Fcsm] From Nextgov - Trump's Tech Team Shares (1)

Groups


Federal Computer Security Pro
[Fcsm] Elevated Privileges Ten
Secure | https://groups.google.com/a/list.nist.gov/forum/#!topic/fcsm/H_YmHxOvpFI
Apps HPC OneNote Github AWS Gitlab Socrata ListManager Box GoogleDrive SkyHigh Slack SysOps Conference AD
NIST
Search for messages
Groups
POST REPLY
Actions
20 of 99+ (99+)
My groups
Home
My discussions
Starred
Favorites
Click on a group's star icon to add it to your favorites
Recently viewed
Federal Computer...
wmdir (Weights &...
quantum-bio
trecvid.actev
toastmasters
Recent searches
dustin.moody@ni...
Federal Computer Security Program Managers' Forum - FCSM ›
[Fcsm] Elevated Privileges Template
2 posts by 2 authors
Set as duplicate
Move
8/24/17
Other recipients: fc...@list.nist.gov
Good Afternoon, All
I'm in process of reviewing Elevated Privileges (AC-6 Least Privileges) for the agency to ensure the processes operate at privilege levels no higher than necessary.
I'm looking for a template employing least privilege access to system accounts; request, deny, and/or renew elevated privileges accounts.
Can anyone share their existing template with us? Or provide any suggestion.
Thank you in advance,

Groups


Federal Computer Security Pro
[Fcsm] Elevated Privileges Ten
Secure | https://groups.google.com/a/list.nist.gov/forum/#!topic/fcsm/H_YmHxOvpFI
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20 of 99+ (99+)
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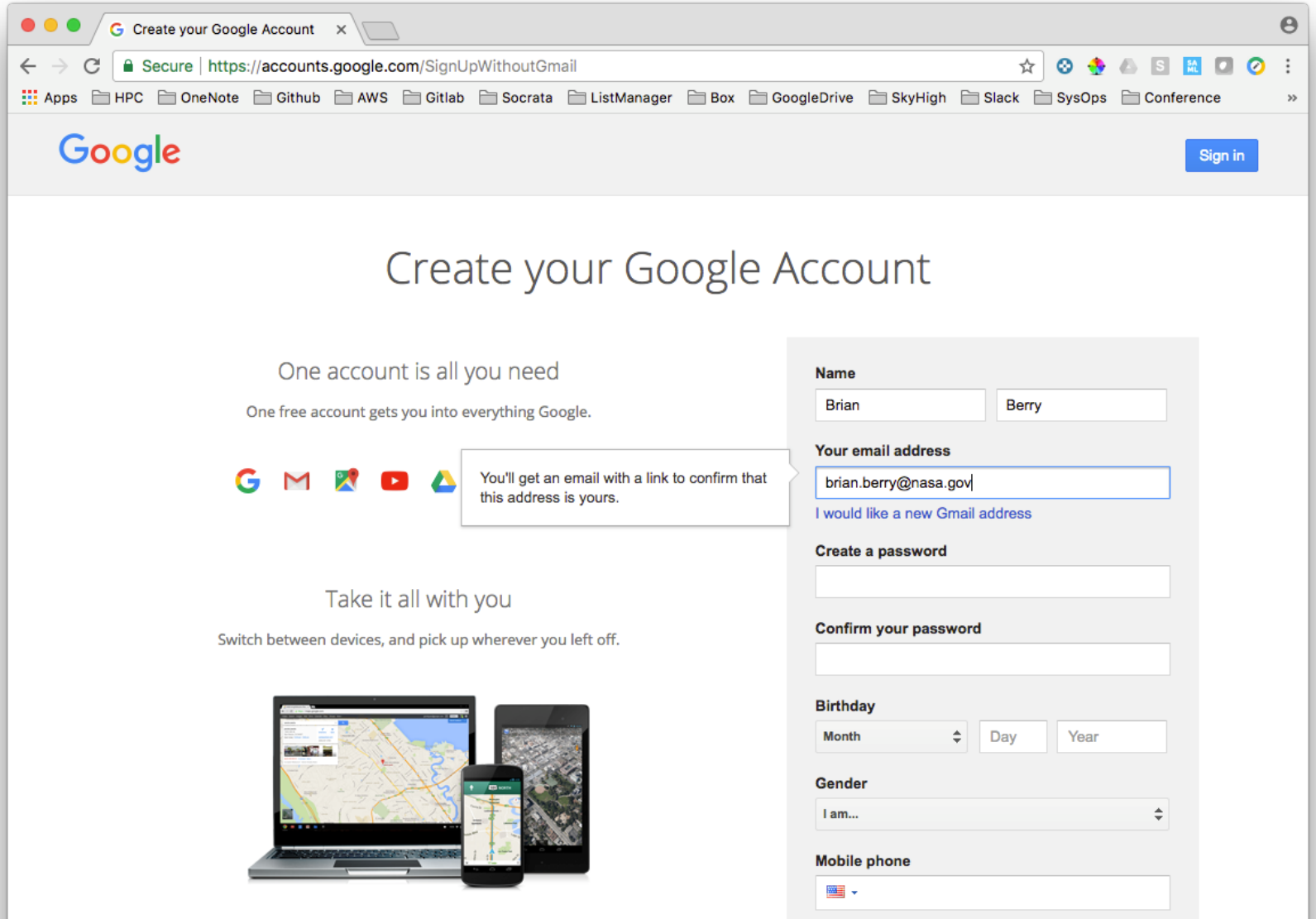
My discussions
Starred
Favorites
Click on a group's star icon to add it to your favorites
Recently viewed
Federal Computer...
wmdir (Weights &...
quantum-bio
Post
Discard
By me (ad...@nist.gov change)
Cc fc...@list.nist.gov Original author All None
comma separated
Email updates to me Attach a file Edit subject Quote original
Normal
Normal
Link

Groups - https://groups.google.com

- New lists:
  - fcsm@list.nist.gov
    - Subscribe:fcsm+subscribe@list.nist.gov
  - Unlike legacy lists, archives are accessible, and can be made publically accessible.
- Subscribers do not need Gmail or google accounts. **Google accounts** are needed to view private archives.
  - These are not @gmail accounts, Google accounts use any email address
  - Sign up here: https://accounts.google.com/SignUpWithoutGmail

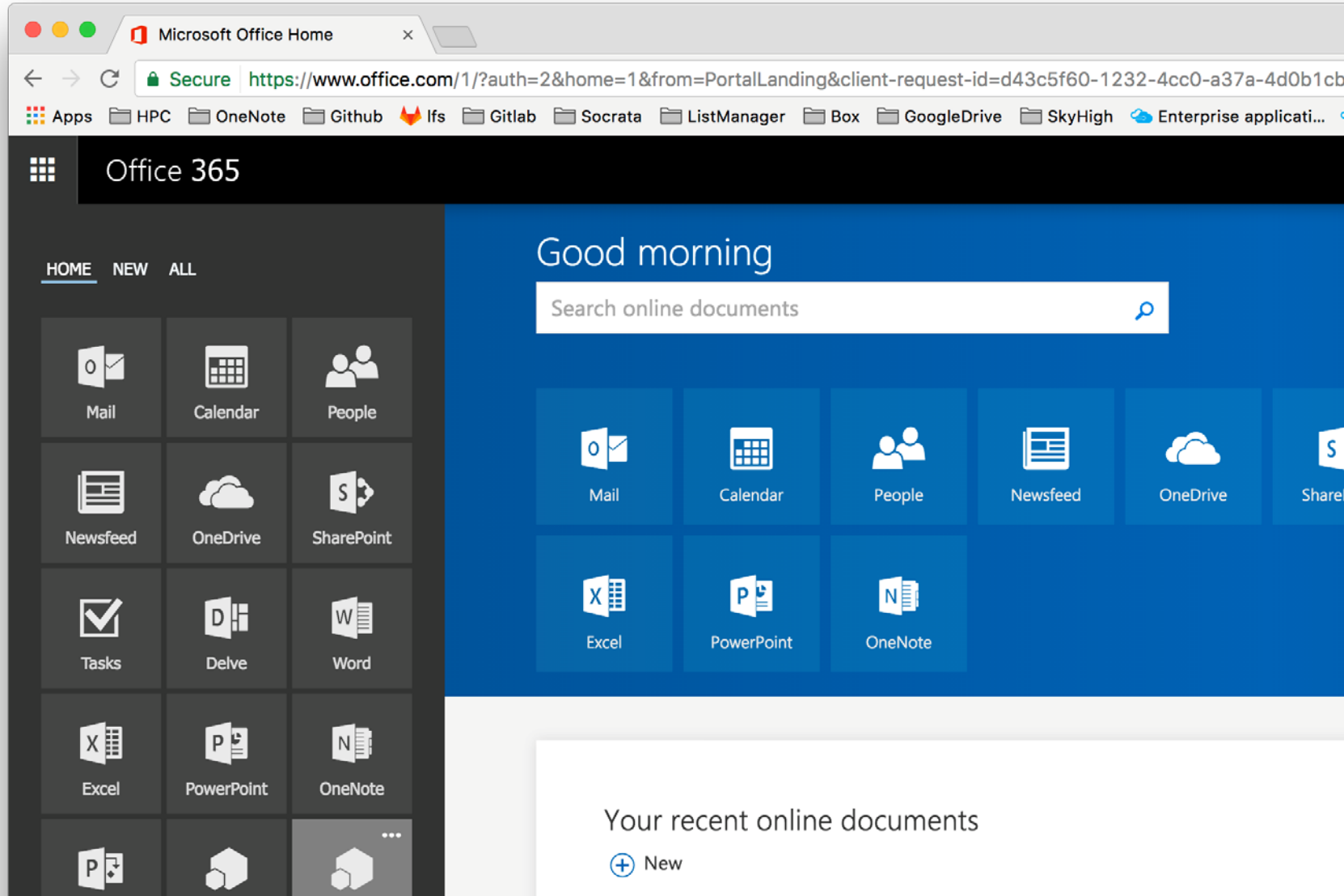
Free Google accounts

- 15GB of storage
- Subject to Google privacy policies
- Get approval with local security
- Google-managed password
- Features:
  - Google Forms
  - Hangouts
  - Real-time document editing



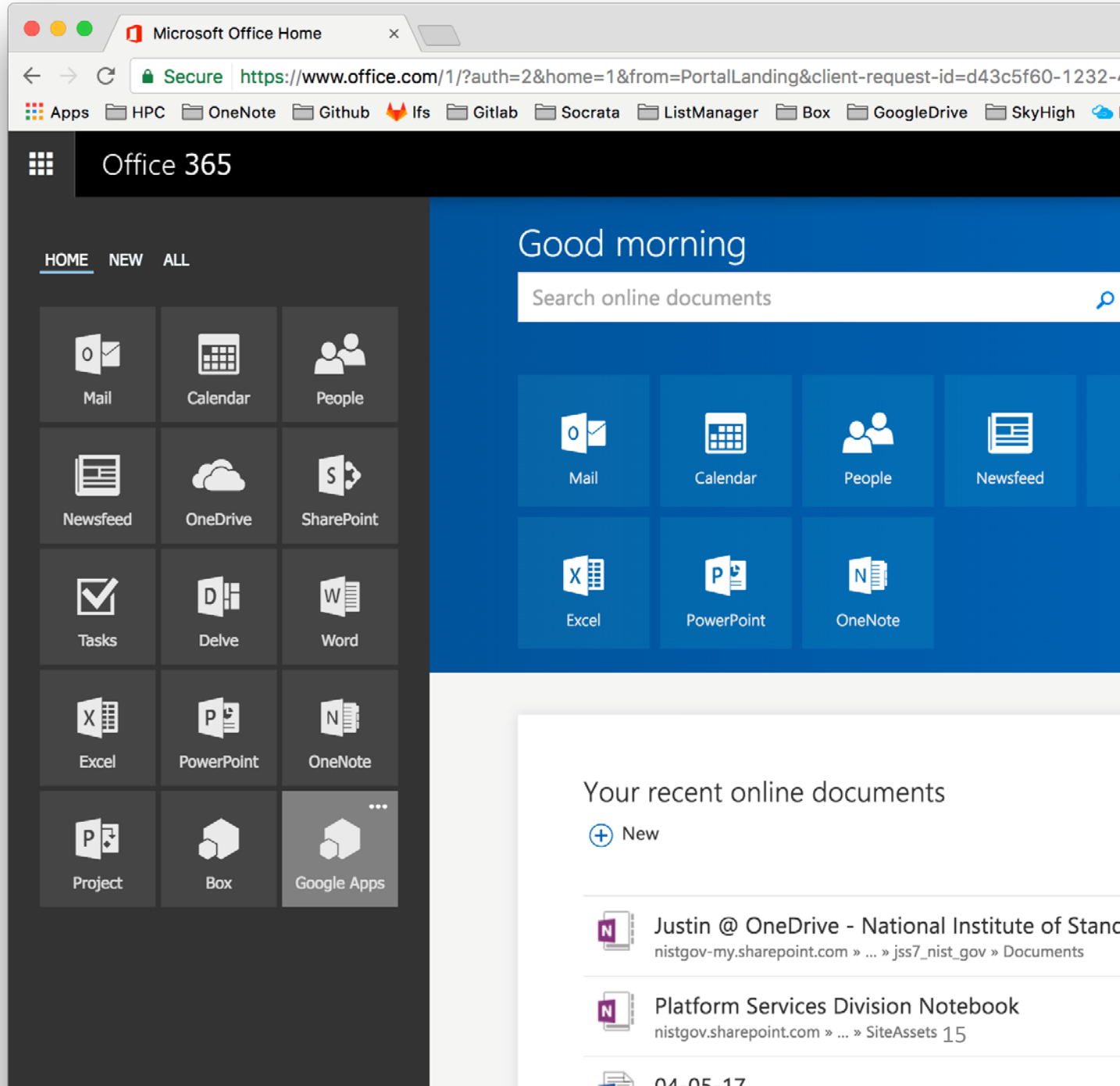
Paid Google accounts

- Unlimited storage
- Single-sign on capabilities
- Google Groups
- Google Sites
- Team Drive
- Drive file stream
- Mobile device management
- Cloud access security broker integration



Access

- https://portal.office.com
- Takes you to Google Drive and Box
- Only works on NIST networks



Access

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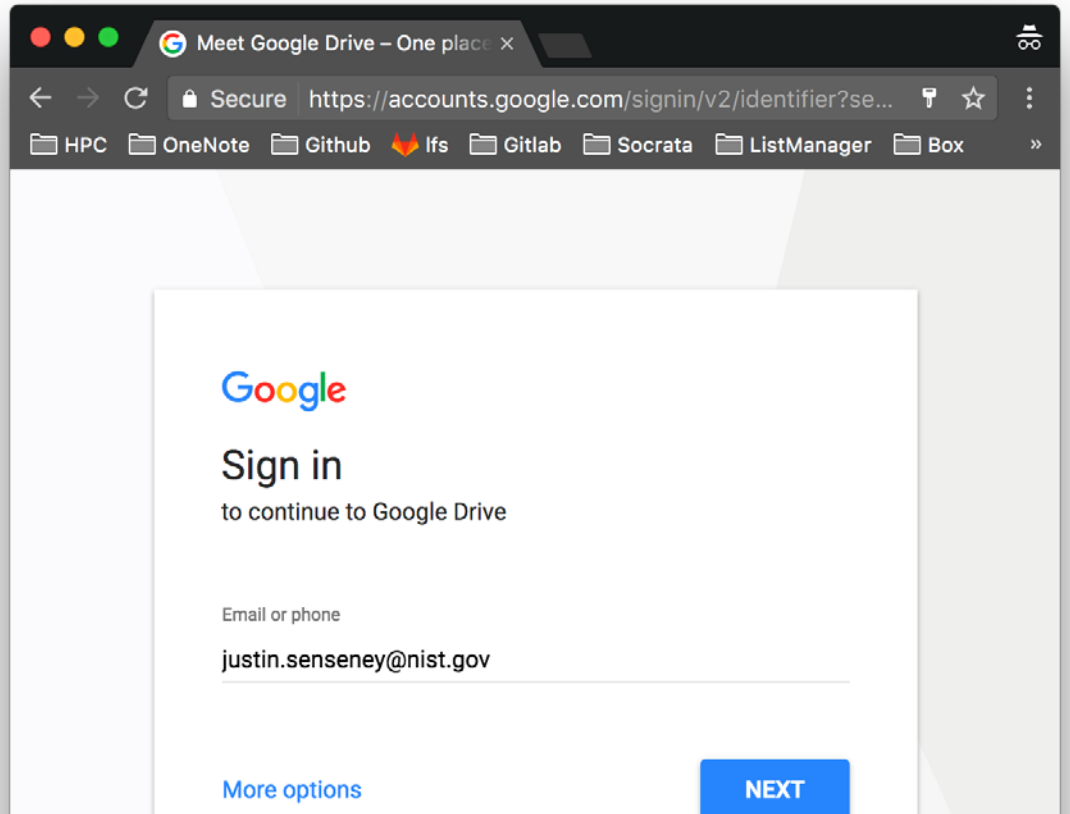
- https://groups.google.com/



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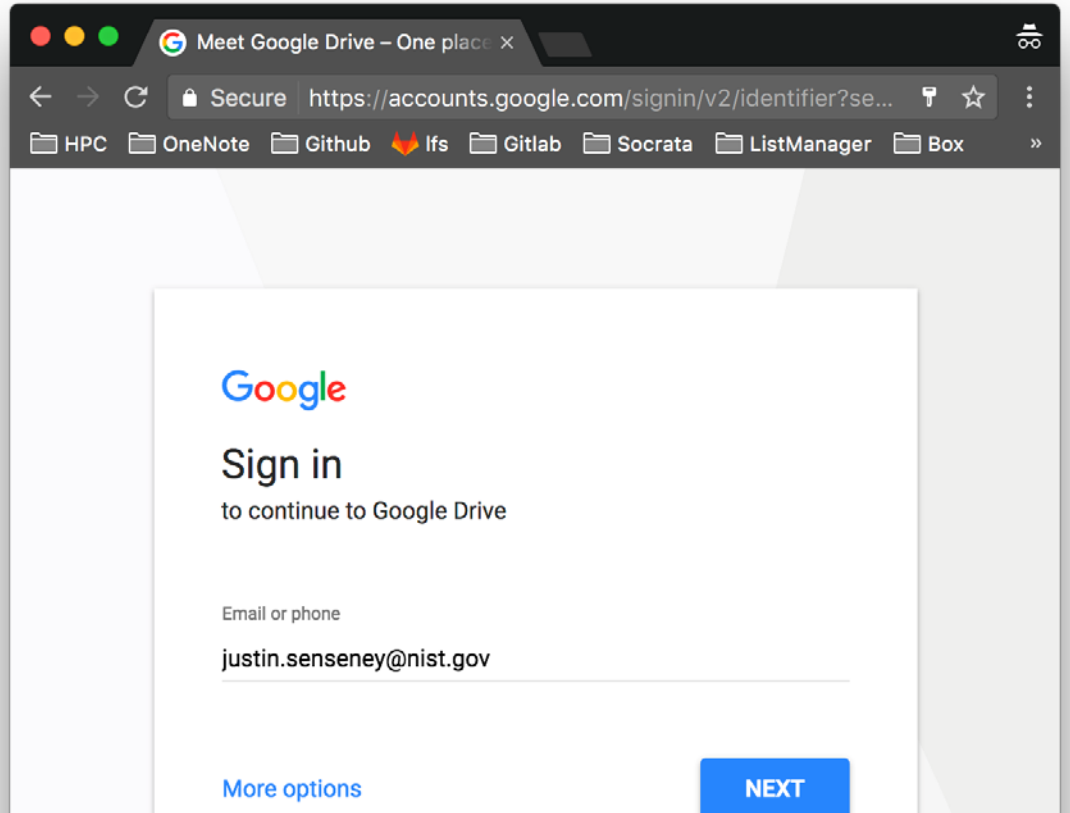
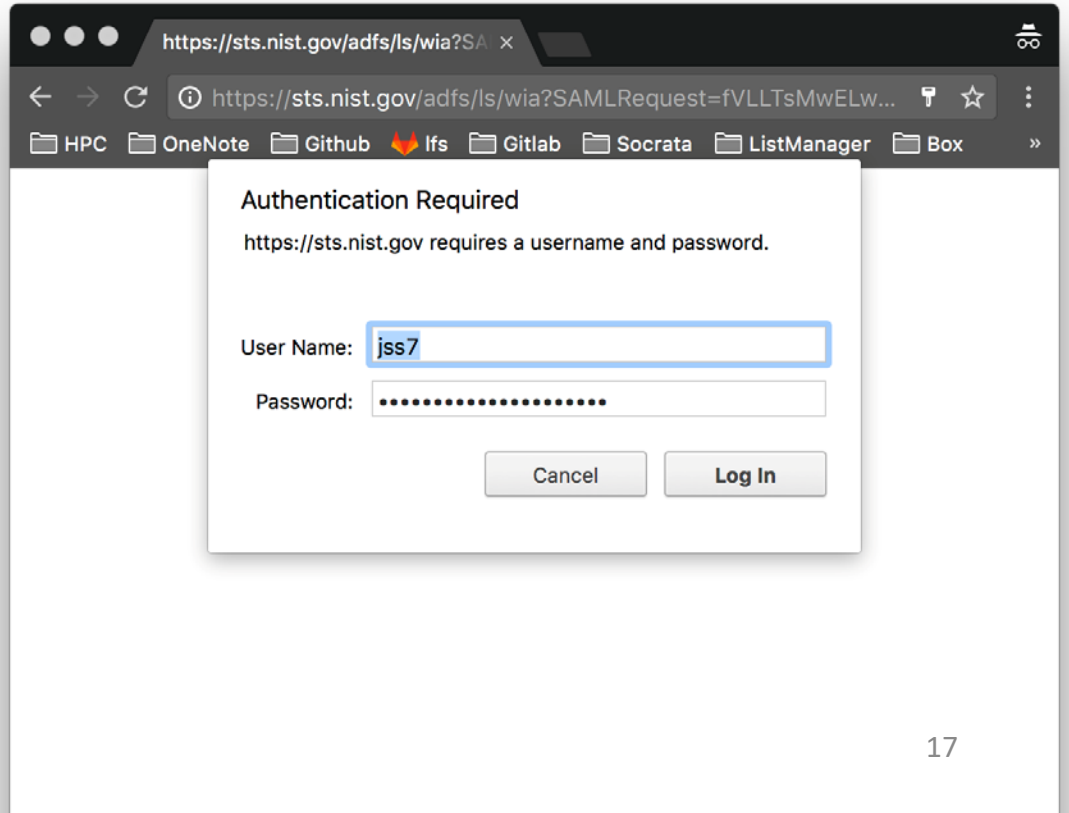
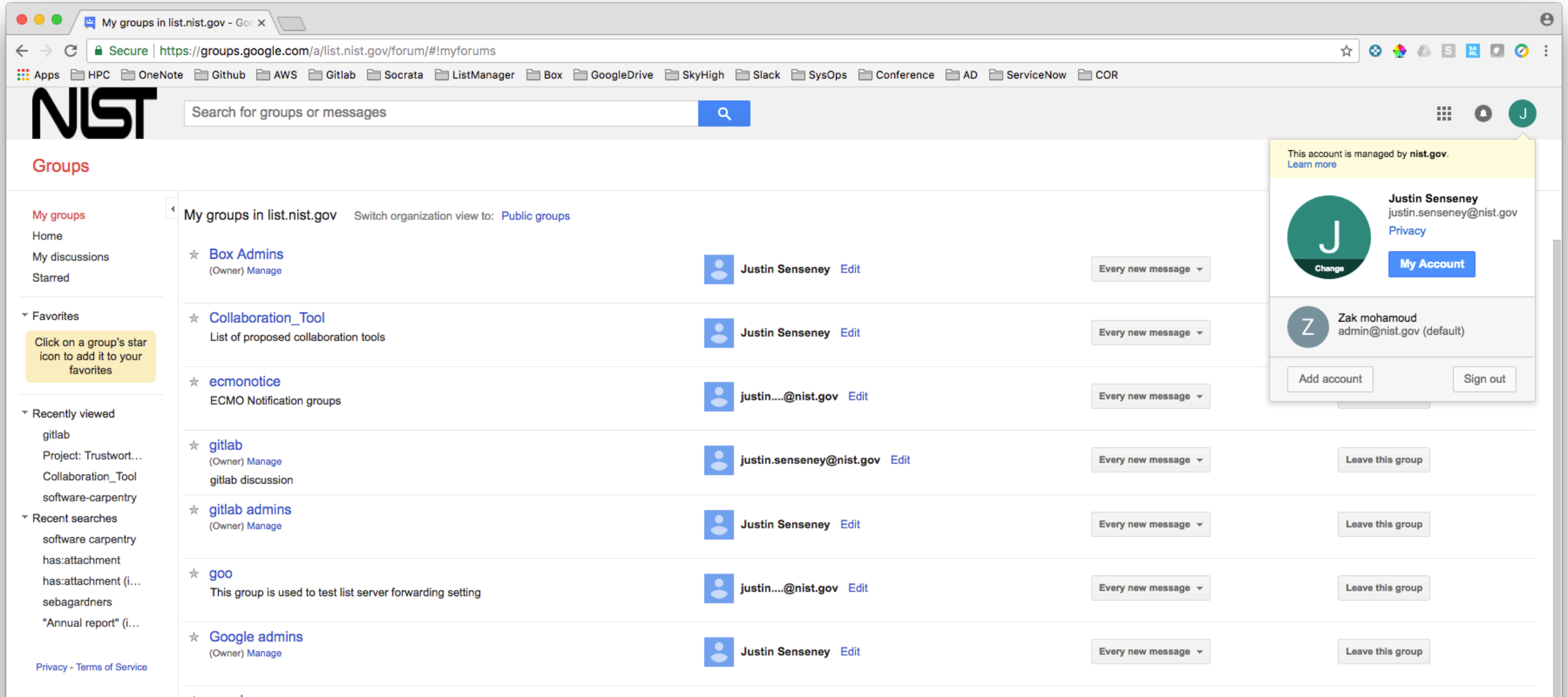
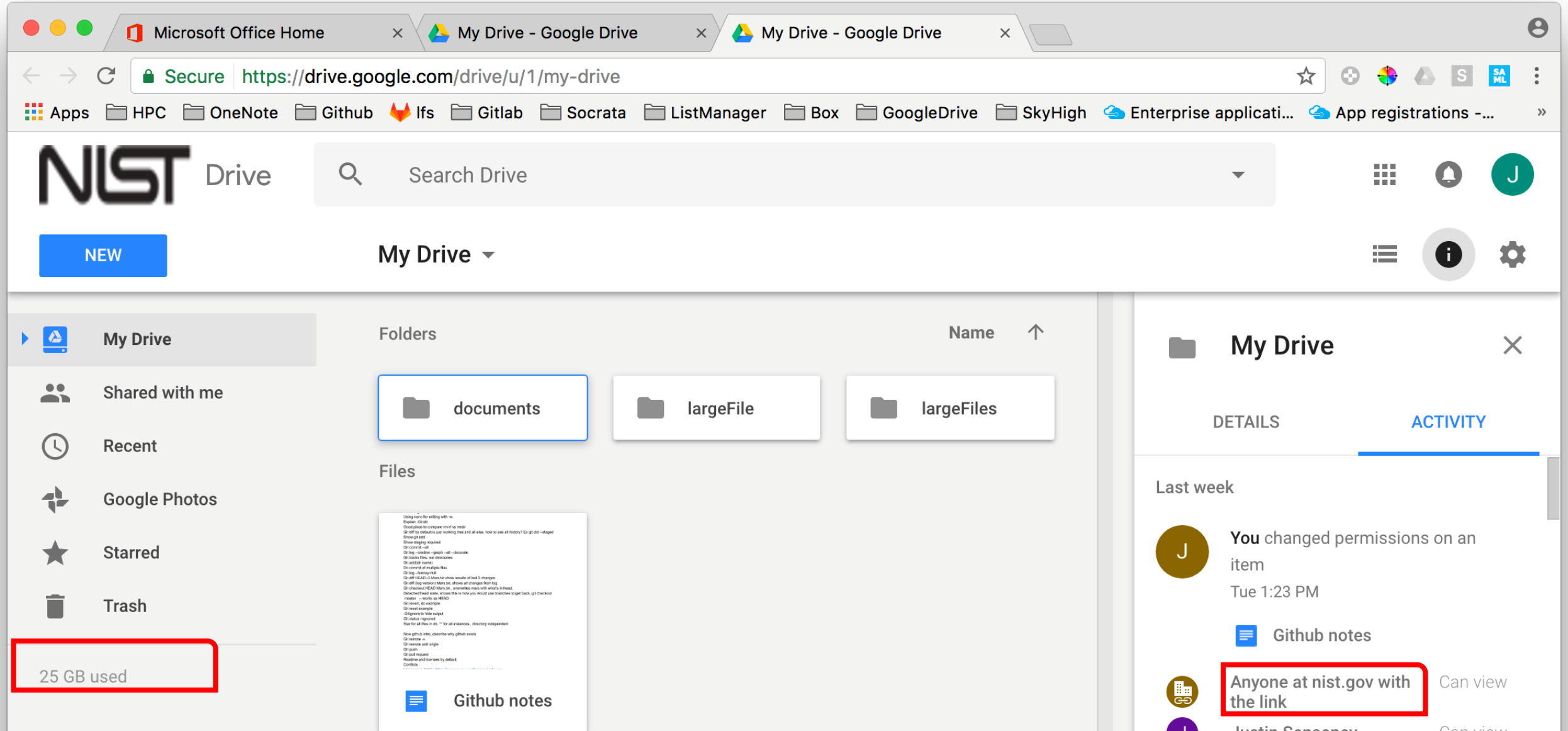




Access


My groups in list.nist.gov - Goo
Secure | https://groups.google.com/a/list.nist.gov/forum/#!myforums
Apps HPC OneNote Github AWS Gitlab Socrata ListManager Box GoogleDrive SkyHigh Slack SysOps Conference AD ServiceNow COR
NIST
Search for groups or messages
Groups
My groups
Home
My discussions
Starred
Favorites
Click on a group's star icon to add it to your favorites
Recently viewed
gitlab
Project: Trustwort…
Collaboration_Tool
software-carpentry
Recent searches
software carpentry
has:attachment
has:attachment (i…
sebagardners
"Annual report" (i…
Privacy - Terms of Service
My groups in list.nist.gov
Switch organization view to: Public groups
Box Admins
(Owner) Manage
Justin Senseney Edit
Every new message
Collaboration_Tool
List of proposed collaboration tools
Justin Senseney Edit
Every new message
ecmonotice
ECMO Notification groups
justin....@nist.gov Edit
Every new message
gitlab
(Owner) Manage
gitlab discussion
justin.senseney@nist.gov Edit
Every new message
Leave this group
gitlab admins
(Owner) Manage
Justin Senseney Edit
Every new message
Leave this group
goo
This group is used to test list server forwarding setting
justin....@nist.gov Edit
Every new message
Leave this group
Google admins
(Owner) Manage
Justin Senseney Edit
Every new message
Leave this group
This account is managed by nist.gov.
Learn more
Justin Senseney
justin.senseney@nist.gov
Privacy
My Account
Change
Zak mohamoud
admin@nist.gov (default)
Add account
Sign out

Free vs. paid Google accounts



PSCR Research Collaboration Hub

Search this site

Navigation

- Home
- About this Site
  - Welcome and Notice
- Files
- Platforms
- Scenarios
  - Data Collection Goals
  - PSIAP Demand Model
- Simulation and Emulation Tools
- Sitemap
- Recent site activity

Discussion

Associated Google Groups:

- pscr-grantees@list.nist.gov
- pscr-net-sim@list.nist.gov
- pscr-net-platforms@...
- pscr-scenarios@list.nist.gov
- pscr-resilient@list.nist.gov

My recent activity

Home

PSCR

Welcome to the PSCR Research Collaboration Hub. This site is intended to function as a wiki where researchers working with or for PSCR can share relevant information. Please see the disclaimers / rules on the Welcome and Notice page.

This is intended as a semi-private space for collaboration: Access is by invitation only, is intended to be mostly limited to researchers actively working on PSCR-related efforts. However, use common sense: NIST makes no guarantees about either who will be allowed to access the site or the possibility of unauthorized access.

This space is for you. We (PSCR) will contribute to, or may occasionally prompt or steer, collaboration on this site, but the primary goal purpose is to give grantees and NIST researchers a place to collaborate across institutions and across grants on topics of mutual interest. Make it your own. Create pages, edit pages, etc.

Topics/Pages:

Here are some topics where we see likely room for collaboration:

- **Scenarios**: Identifying, documenting, and (sometimes) implementing use cases. Think especially "workloads to design for and/or test against."
- **Simulation and emulation tools**: What you use -- and/or are currently developing -- to test/prototype/evaluate relevant systems and protocols.
- **Platforms**: How you build and run real (or real-ish) research networks for public safety, especially but not exclusively for LTE: What frequencies (and under what licenses)? What physical network equipment (especially eNodeB, ...) and software? What configurations? What UEs (handsets, laptops, tablets, other...) with what SIM/UICCs (programmed how), etc.

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- pscr-resilient@list.nist.gov

My recent activity

Files

+ Add file | + Add link | Add from Drive | Move to | Delete | Subscribe to changes

net-sim (Remove)

Comments

Justin Senseney

Add a comment

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My recent activity

Data Collection Goals

Voice/PTT

Come back to this / loop in Don Bradshaw

Situational Awareness / GIS

Discussion of info I am / was hoping to get from some disaster response exercises :

I don't know how much of this is possible to log, but here are examples of the kinds of data we'd love to get if we can:

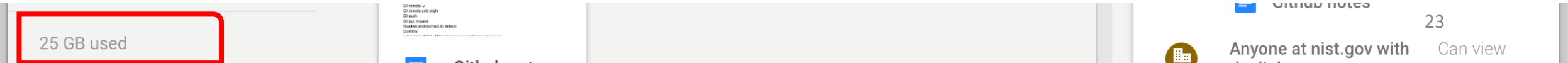
- "Data insertion events" who puts what data objects / features / images / etc. into the GIS / SA / other systems (when and where and how)
- "Data access events" who gets (or looks for) what kind of information (when and where and how). For example:
  - What's a user looking at (what features are being displayed on her/his screen) in what form (e.g. what resolution / zoom) at any given time?
  - What data are users (or their applications) looking *for* at any given time (e.g. queries made, layers turned on/off, media objects clicked on, etc.)?
- "Communication events" who initiates a chat / call / video stream / PTT group with whom (and when and where and what do they send / say)

Do you know if that kind of information is already being recorded, or if it's possible to enable that kind of logging?

Crossing the network-app divide. I'm interested in what we can do to link the records of users actions from different layers / sources,

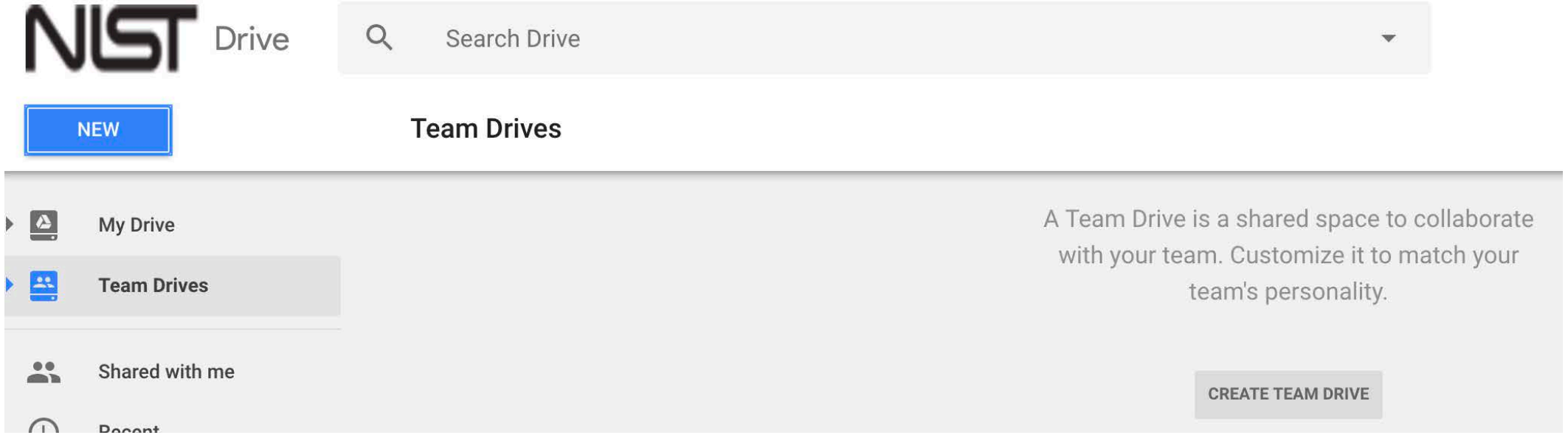
Drive – Limits

- Daily upload limit: 750GB per account
- Max file size for you: 5TB
  - For a collaborator: the available space in their Google Drive, even to your Google Drive.
- Storage for you: Unlimited
  - For a collaborator: Unlimited in your folders, standard/free quota is 15GB, all government customers should be unlimited, some are 30GB

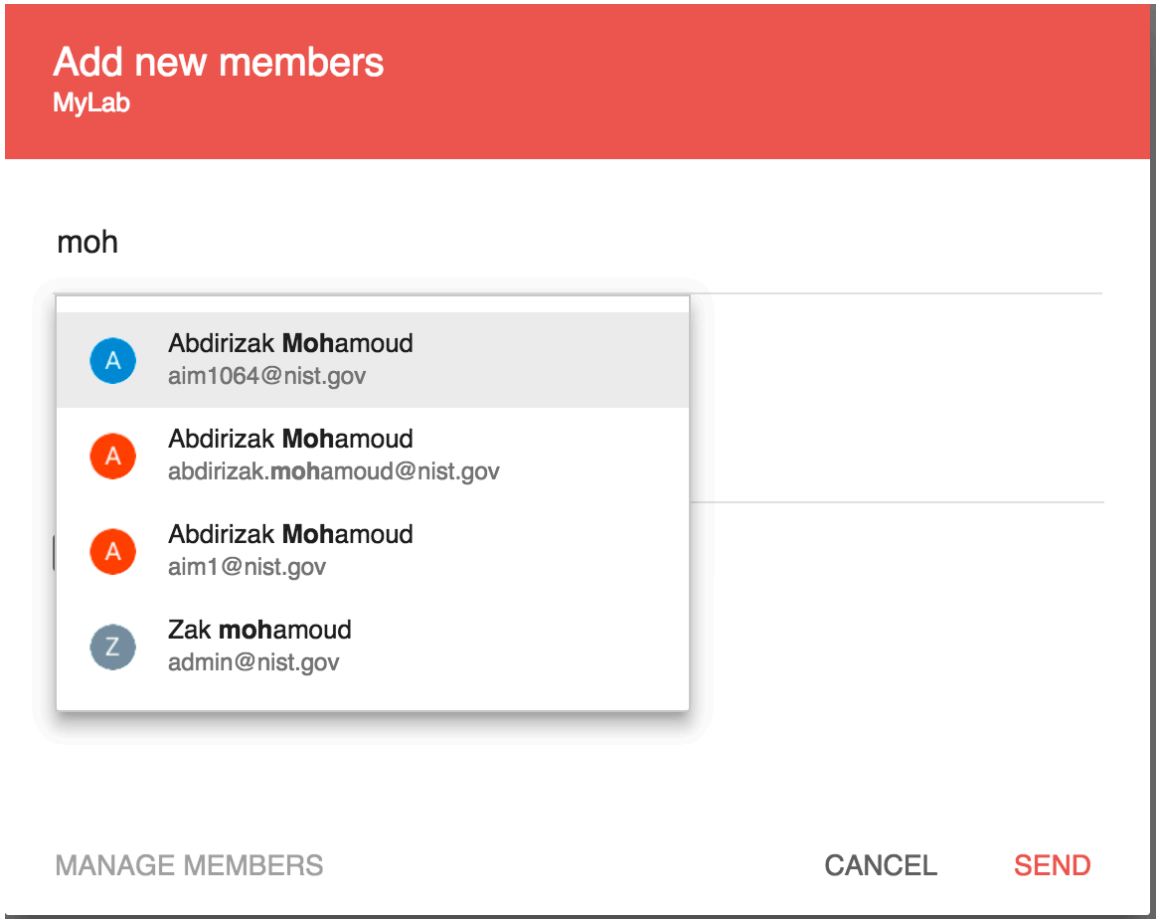


Team Drive

- Shared ownership
- Able to use internally and externally
- Add a list.nist.gov mailing list as a member to make managing membership easy

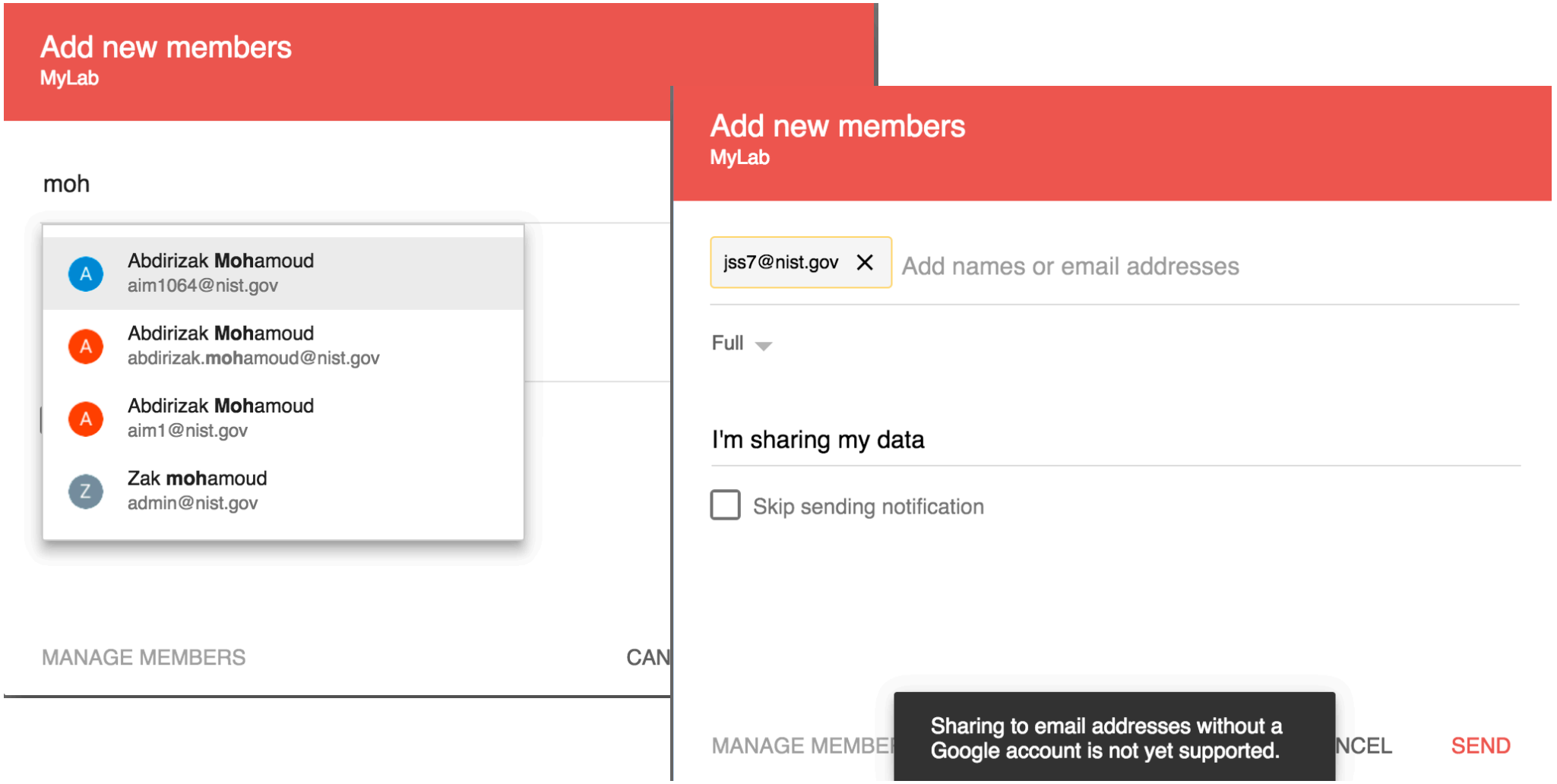


Team Drive


Add new members
MyLab
moh
A
Abdirizak Mohamoud
aim1064@nist.gov
A
Abdirizak Mohamoud
abdirizak.mohamoud@nist.gov
A
Abdirizak Mohamoud
aim1@nist.gov
Z
Zak mohamoud
admin@nist.gov
MANAGE MEMBERS
CANCEL
SEND

Team Drive

NIST members should go to https://psd.oism.nist.gov/google to get an account. Anyone can go to https://accounts.google.com/SignUpWithoutGmail?hl=en to create an account. Free accounts require ITSO request.

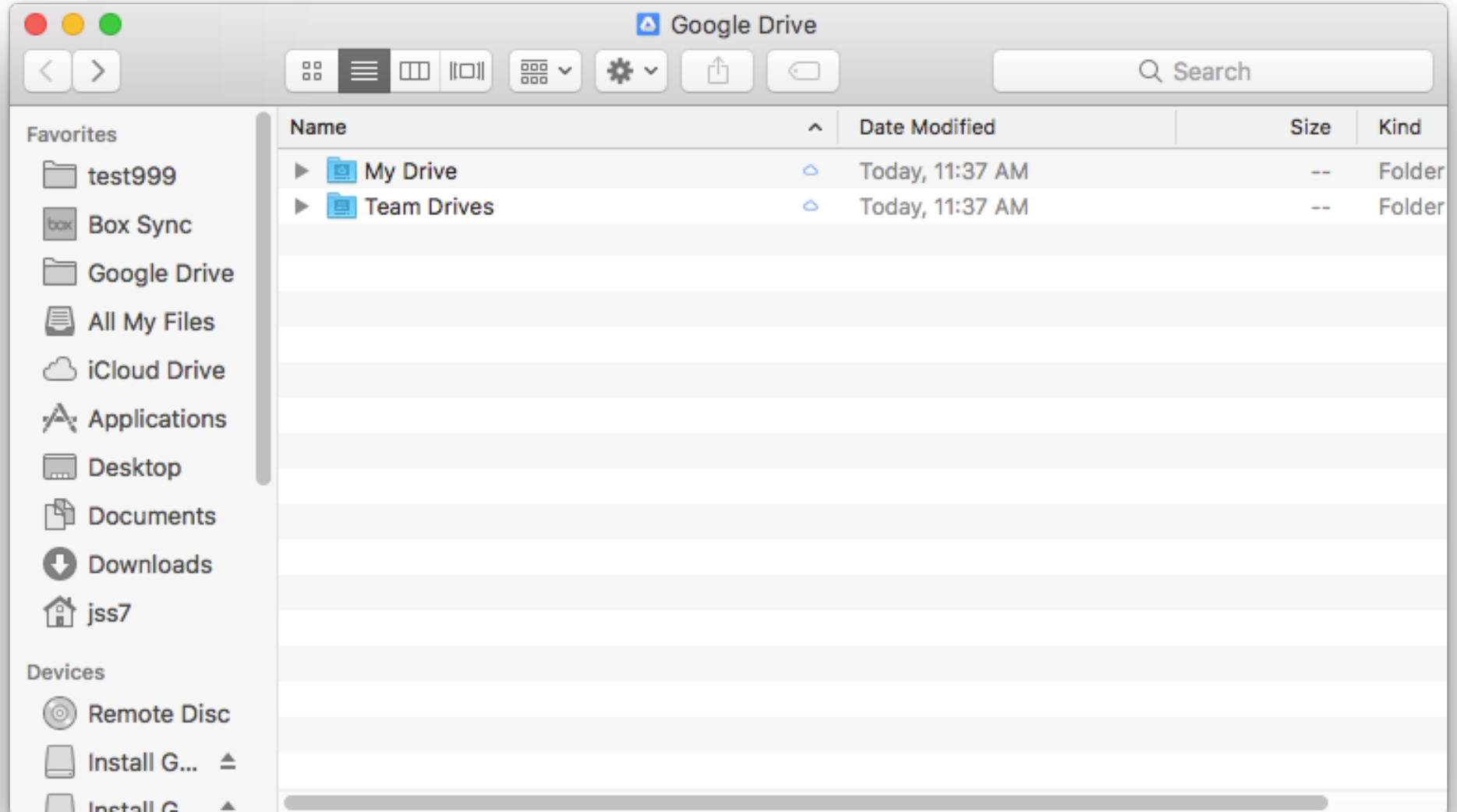


Drive File Stream

- Download Drive file stream:
  - https://dl.google.com/drive-file-stream/googledrivefilestream.dmg
  - https://dl.google.com/dl/drive-file-stream/GoogleDriveFSSetup.exe
  - Safelinks – https://safelinks.nist.gov

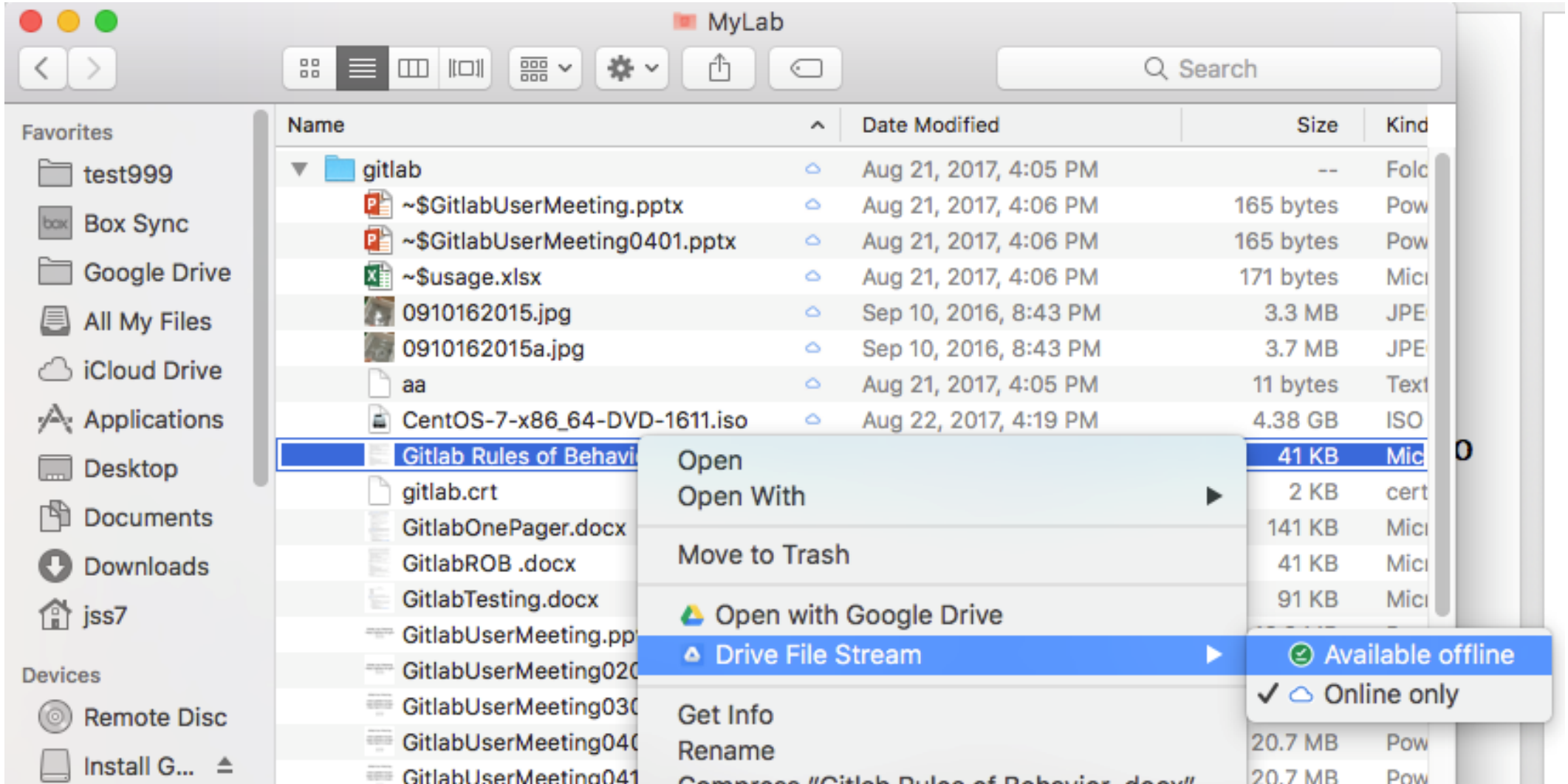
Drive File Stream

- You can now access Team Drives on your computer.

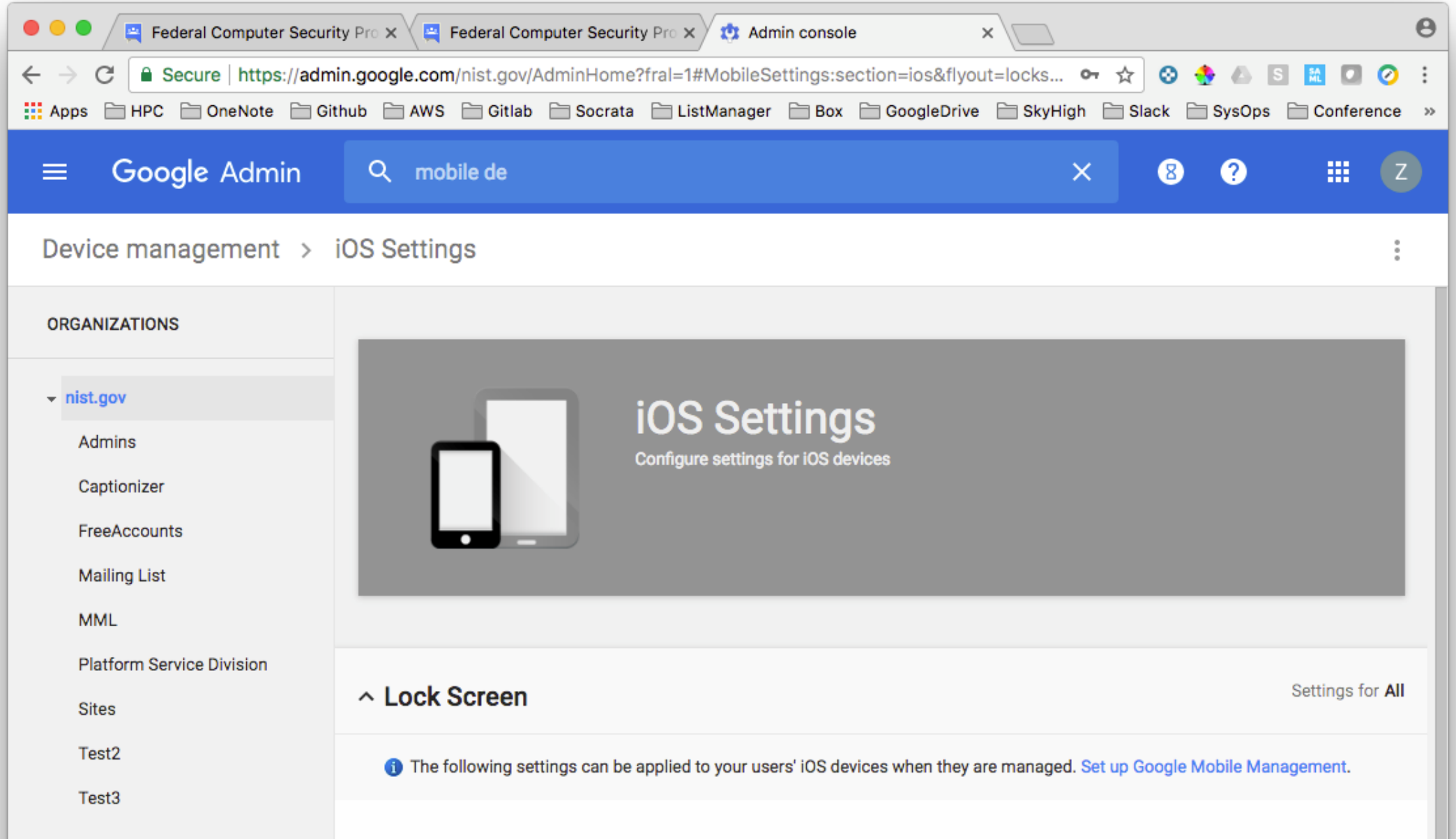


Drive File Stream

- Last 10 files are stored locally, or you can make folders available offline



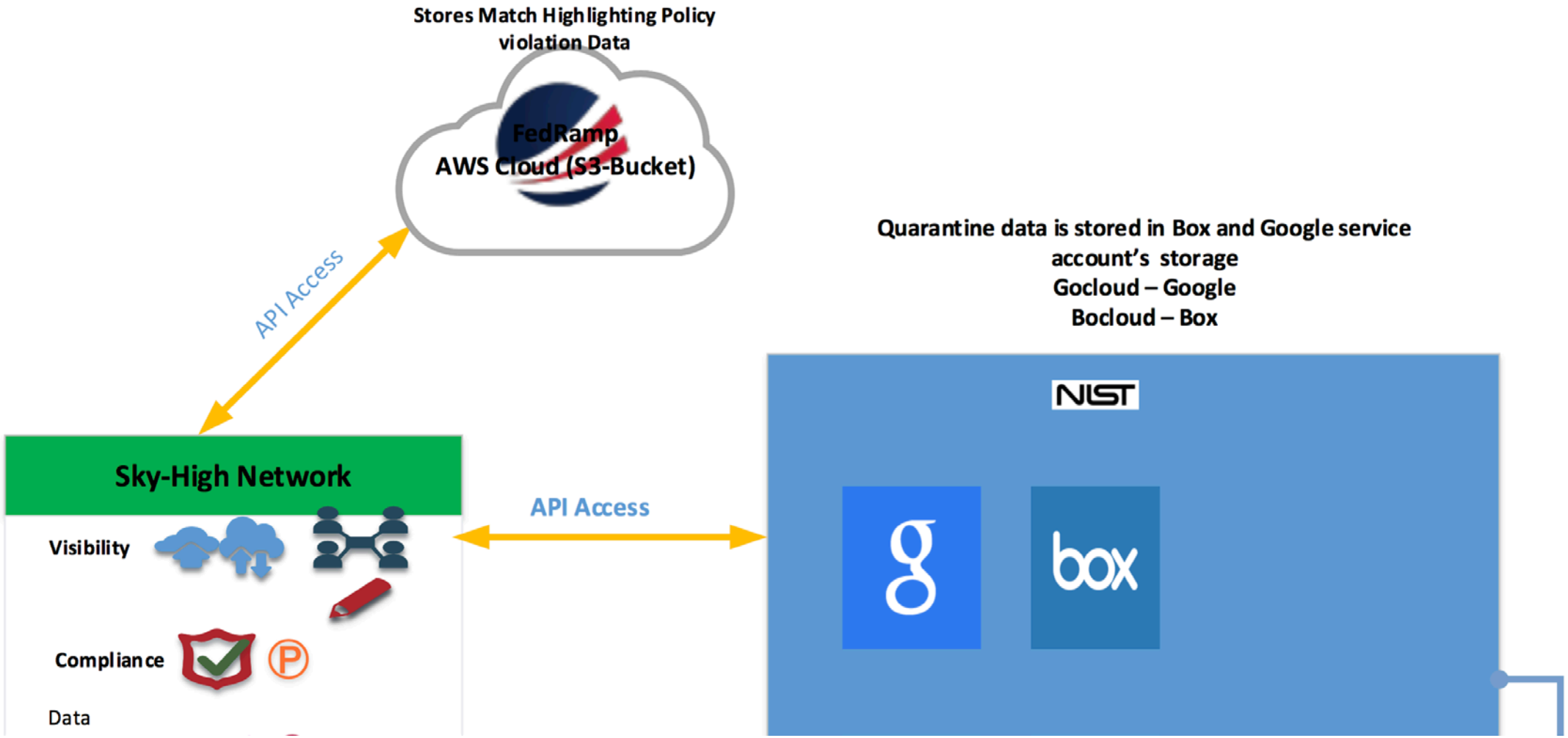
Mobile Device Management



Moderate data

- Moderate impact on NIST's confidentiality, integrity, or availability.
- Examples
  - PII
  - Bank accounts
  - Credit card #
  - Proprietary data
  - Contracts
- Similar to monitoring of Office365 emails
- Members of the public may give you moderate data

Skyhigh


Stores Match Highlighting Policy violation Data
FedRamp
AWS Cloud (S3-Bucket)
API Access
Quarantine data is stored in Box and Google service account's storage
Gocloud – Google
Bocloud – Box
NIST
Sky-High Network
Visibility
Compliance
Data
API Access
box

By: Date Sent

Friday

no_reply@corp.skyhighnetworks.com
Skyhigh Networks policy violation from Pas... 2/2/18
Skyhigh detected a violation of the policy: Passwor...

no_reply@corp.skyhighnetworks.com
Skyhigh Networks policy violation from Pas... 2/2/18
Skyhigh detected a violation of the policy: Passwor...

Thursday

no_reply@corp.skyhighnetworks.com
Skyhigh Networks policy violation from Pas... 2/1/18
Skyhigh detected a violation of the policy: Passwor...

no_reply@corp.skyhighnetworks.com
Skyhigh Networks policy violation from Pas... 2/1/18
Skyhigh detected a violation of the policy: Passwor...

Wednesday

no_reply@corp.skyhighnetworks.com
Skyhigh Networks policy violation from Pa... 1/31/18
Skyhigh detected a violation of the policy: Passport...

Last Week

no_reply@corp.skyhighnetworks.com
Skyhigh Networks policy violation from Pa... 1/26/18
Skyhigh detected a violation of the policy: Passwor...

no_reply@corp.skyhighnetworks.com
Skyhigh Networks policy violation from Pa... 1/26/18
Skyhigh detected a violation of the policy: Passport...

Skyhigh Networks policy violation from Passport - NIST

SN

N

no_reply@corp.skyhighnetworks.com <no_reply@corp.skyhighnetworks.com>
Skyhigh_Notifications
Friday, January 26, 2018 at 7:45 PM
Show Details

Skyhigh detected a violation of the policy: Passport - NIST

- Policy Violation Details -

Service:	Google Drive
Date/Time:	2018-01-27T00:23:08.708Z
User/IP:	
Policy:	Passport - NIST
Severity:	Low
Response:	Allowed
File:	DS82_Complete.pdf
File Type:	Adobe PDF
Match Count:	9

To stop receiving these notifications, update your notification settings in the Skyhigh Cloud Access Security Broker.

You're receiving this message because you're a member of the Skyhigh_Notifications group.

User notification

We have approval to store NIST Low data only in cloud applications like Box and Google Drive. To monitor that, we're using an application called SkyHigh which does a scan of the data inside of Box and Google, and reports when it receives a potential violation of the policies we've programmed. **One of those policies focuses on server security information, since that data shows the vulnerabilities that exist on potentially public systems.** Inside your Google storage there is a file named "reac-security.tgz" that kind of information. This is the kind of information that the NIST ITSO has decided should not be stored in Google, because Google's ability to store sensitive data in a secure way has not been determined. **Can you remove it and any similar files you have?**

If you want to be able to store this information in Google, talk to your ITSO. I'm also happy to come to talk to your group about our Google implementation, and how we're hoping to see it used at NIST, because I want to make sure it works well for what we're trying to do at NIST.

Note that **Gitlab.nist.gov was just approved to store moderate data** like this, that would probably be a better place to store this information.

-Justin

Data loss prevention

- Data is evaluated on daily basis, real-time monitoring in place
- Still sent to System Incident Response team for privacy impact assessment and monitoring by
  - Their investigation is sent to Department of Commerce headquarters
  - They also monitor presence of NIST data in the public Internet

Account Requests

- How:
  - Request account: https://psd.oism.nist.gov/google
  - Request mailing list: https://psd.oism.nist.gov/list
- Free accounts can be requested by the public
  - https://accounts.google.com/SignUpWithoutGmail?hl=en
  - NIST users wanting such an account should contact their ITSO

Overview

- Access at NIST
- Google Groups
- Google Accounts
  - Free accounts
  - Paid accounts
- Paid account features
  - Google sites
  - Team Drive
  - Security monitoring

Acknowledgments

- Associate Director of Laboratory Programs for pilot funding
- Kathy Sharpless for spearheading
- Collaboration Steering Group for discussion and user management
- Matt Wilkinson’s division (188) for managing
- You, for your patience

Contacts

- Collaboration Tools Team
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