



### Summer Webinar Series Google<-SAML->Zscaler Integration

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Webinar Links: www.mcnc.org/cne-webinars

## Google<-SAML->Zscaler Integration Agenda



- What is "SAML"?
- AAA, Testing, Switching Databases
- Lab test setup
- Authentication Google configuration
- Authentication Zscaler configuration
- Authorization Google configuration
- Authorization Zscaler configuration
- Accounting
- AD
- Caveats
- Questions?



#### What is "SAML"?



Security Assertion Markup Language

XML-based, open-standard data format for exchanging authentication and authorization data between identity provider (IdP) and service provider (SP)

IdP=Google

SP=Dropbox, Facebook at Work, Docusign, Amazon Web Service, etc.

And SP...Zscaler!



## Advantages of Google<-SAML-> Integration



- Consolidation of users in one place instead of Google and Zscaler hosted database
- Fewer authentications
- One less username and password to remember, synchronized password changes
- Ability to add authentication to content-filtering at no cost
- Means to apply filtering policies by users' category (authorization)
- Removes need for Active Directory or other on-premise directory for filtering
- Advantages of SAML over AD fewer logins



## Disadvantages of Google <- SAML-> Integration



- Login and a half (username twice, password once)
- SAML assertion cookies may be persistent depending on browser, device



#### AAA



#### A=authentication

- Who is the user?
- Google username/password only

#### A=authorization

- What is the user allowed to do?
- User's membership in Google custom Department and/or Groups

#### A=accounting

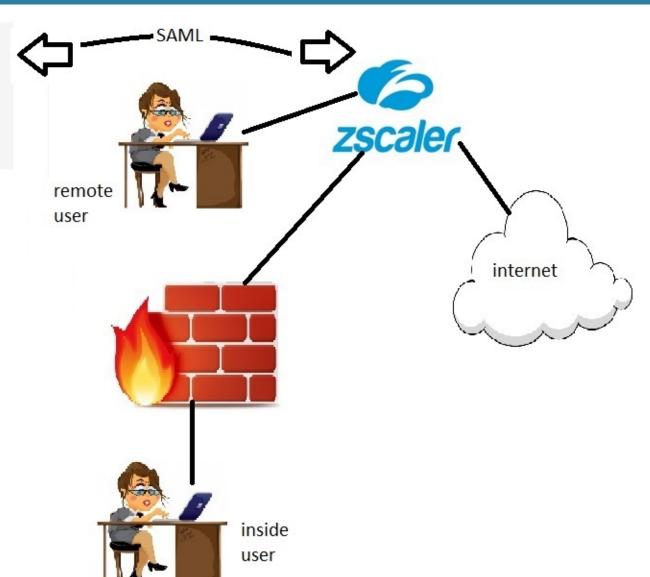
- What did the user do?
- Zscaler logs



#### SAML - no AD

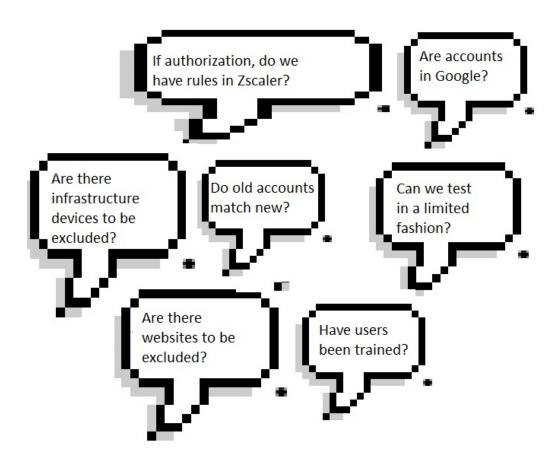






### Considerations - Moving to SAML in Zscaler

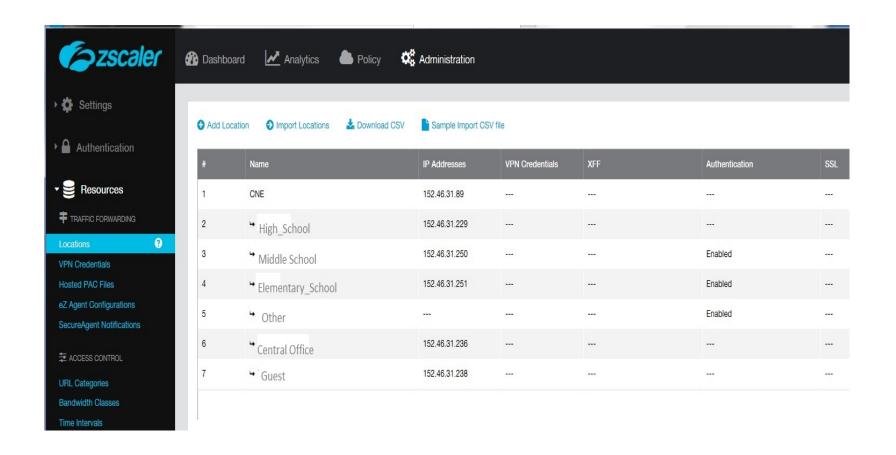






### Authentication - Moving to SAML in Zscaler

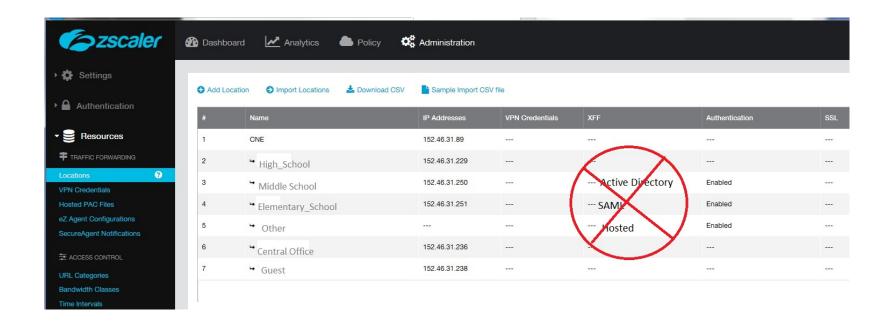






## Authentication - Moving to SAML in Zscaler







## Authentication - custom category exceptions in Zscaler - GRE/onsite



Fo zecolor	Ø			
<b>S</b> zscaler	Edit URL Cate	egory		×
▶ 🌼 Settings				
	O Add    URL Category			
▶ Authentication	Name		URL Super Category	
	▼ Bandwidth Google		User-Defined	*
Resources	Name Custom URLs	S		
TRAFFIC FORWARDING	▼ Entertain	70		Add Items
Locations	.gmail.com		×	149
VPN Credentials	.google.com		×	
Hosted PAC Files	Music accounts.god	ogle.com	×	
eZ Agent Configurations	Other 3 items		<b>≭</b> Remove All	
SecureAgent Notifications	Radio		A Remove All	
₹ ACCESS CONTROL	Strear URLs retainin	g parent category		
URL Categories	Televis			Add Items
Bandwidth Classes	Custom Koun	vorde		
Time Intervals  End User Notifications	News and	vorus		Add Items
	News			
☐ DATA LOSS PREVENTION	▼ User-Defi Description			
DLP Dictionaries & Engines	Googl			
DLP Notification Templates				
	notecl			
	tech			
	User-I			
	▼ Business U			
	Save	<b>Delete</b> Cancel		



## Authentication - authentication exceptions in Zscaler - GRE/onsite



<b>E</b> zscaler	Dashboard	Analytics	Policy	Administration
▼ 🌣 Settings				
A ACCOUNT MANAGEMENT	Admin Ranking			
My Profile	Enable Admin	Ranking		
Company Profile  Alerts	×			
Print All Policies	Advanced Web A	pp Control Options		
CLOUD CONFIGURATION  Advanced Settings	Allow Cascadii	ng to URL Filtering		
Advanced Settings				
▶   Authentication	Admin UI Session			
Resources	Session Timeo	out Duration	•	
	Authentication By	ypass		
	Bypassed URL			
				Add Items
	Bypaned App Google Analyt	lications itics; Google Apps for Bu	IS ▼	



## Authentication - SSL decryption exceptions in Zscaler - GRE/onsite



<b>E</b> zscaler	Dashboard	Analytics	Policy	Administration
▼ 🚱 Web				
<b>U</b> SECURITY	Policy for Non-De	ecrypted Traffic		
Malware Protection	Blocked URL 0	Categories		
Advanced Threat Protection	Adult Sex Edu	cation; Adult Themes; A	n 🔻	
Behavioral Analysis	Blocked URLs			
Browser Control				Add Items
₹ ACCESS CONTROL			36	
URL & Cloud App Control	Show Notificat	tions for Blocked Traffic	C	
File Type Control				
Bandwidth Control	D. II. ( 001 D			
SSL Inspection ?	Policy for SSL De	cryption		
FTP Control	Block Undecry	ptable Traffic		
☐ DATA LOSS PREVENTION	×			
Data Loss Prevention	Bynassea URL	Categories		
	Google		-	
▶ ☐ Mobile				
	Bypassed URL	S		Add Items
				Additerns
	Bypassed App	lications		
	Google Analyt	ics; Google Apps for Bu	s 🔻	



## Authentication - exceptions in Zscaler - pac file



```
Pac file:
```

```
if(dnsDomainIs(host, "accounts.google.com")) return
"DIRECT";
```

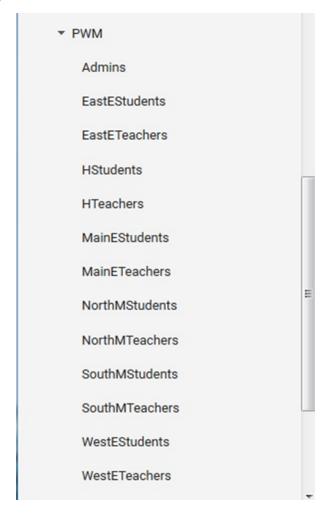
if(dnsDomainIs(host, "gmail.com")) return "DIRECT";



#### Lab test setup



#### k12gapps.mcnc.org, OU=PWM, more OUs below:





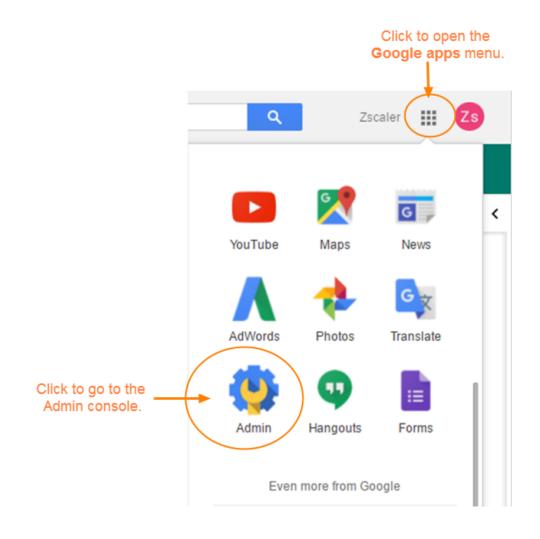
### Lab test setup



	Google non-custom Attributes		
Email	OU/orgUnitPath	Group/Group-email	
9thWonder@k12gapps.mcnc.org	/PWM/Admins	admins@k12gapps.mcnc.org	
2\$Fabo@k12gapps.mcnc.org	/PWM/EastEStudents	students@k12gapps.mcnc.org	
AlbertEinstein@k12gapps.mcnc.org	/PWM/MainEStudents	students@k12gapps.mcnc.org	
12 Gauge@k12 gapps.mcnc.org	/PWM/NorthMStudents	students@k12gapps.mcnc.org	
Alexander Graham Bell@k12gapps.mcnc.org	/PWM/SouthMStudents	students@k12gapps.mcnc.org	
Anderson Paak@k12gapps.mcnc.org	/PWM/Hstudents	students@k12gapps.mcnc.org	
50 Cent@k12gapps.mcnc.org	/PWM/WestEStudents	students@k12gapps.mcnc.org	
2Pistols@k12gapps.mcnc.org	/PWM/EastETeachers	teachers@k12gapps.mcnc.org	
Action Bronson@k12gapps.mcnc.org	/PWM/Hteachers	teachers@k12gapps.mcnc.org	
40Glocc@k12gapps.mcnc.org	/PWM/MainETeachers	teachers@k12gapps.mcnc.org	
Andre Nickatina@k12gapps.mcnc.org	/PWM/NorthMTeachers	teachers@k12gapps.mcnc.org	
Alfred Hitchcock@k12gapps.mcnc.org	/PWM/SouthMTeachers	teachers@k12gapps.mcnc.org	
AliVegas@k12gapps.mcnc.org	/PWM/WestETeachers	teachers@k12gapps.mcnc.org	

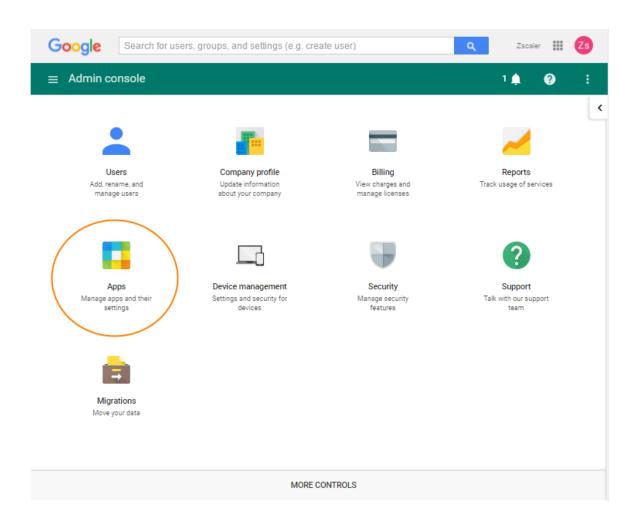






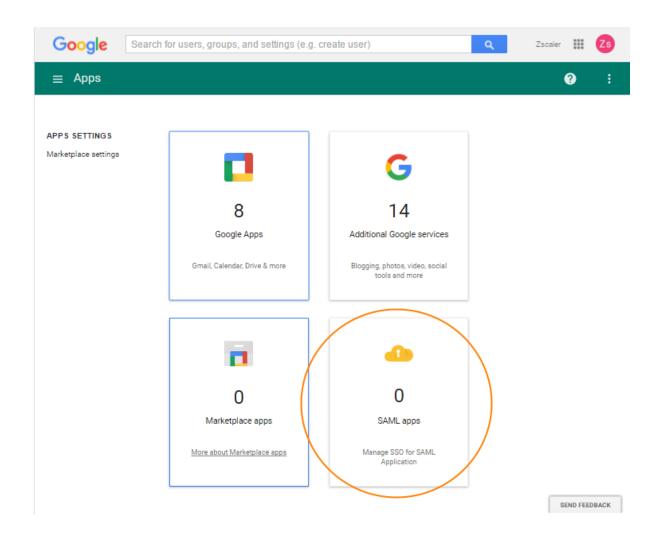






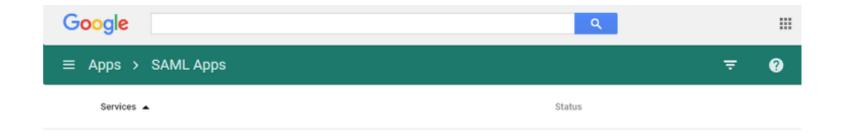










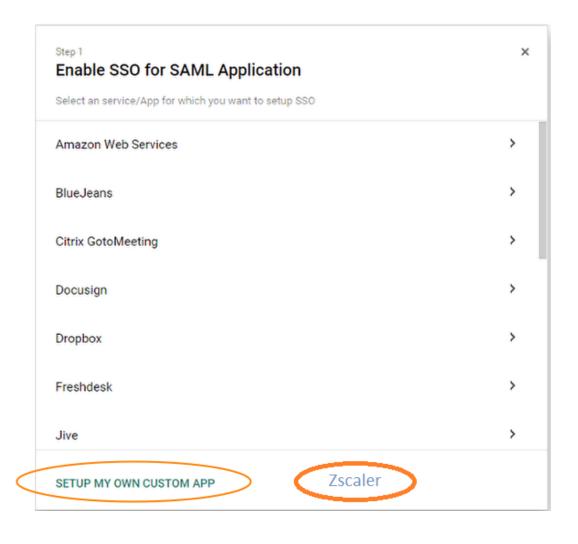


No services/Apps configured for SAML.

Add a service/App to your domain

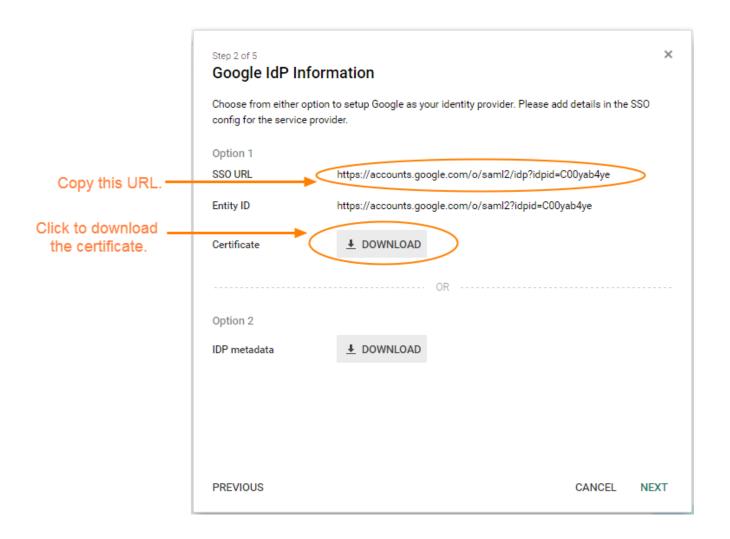














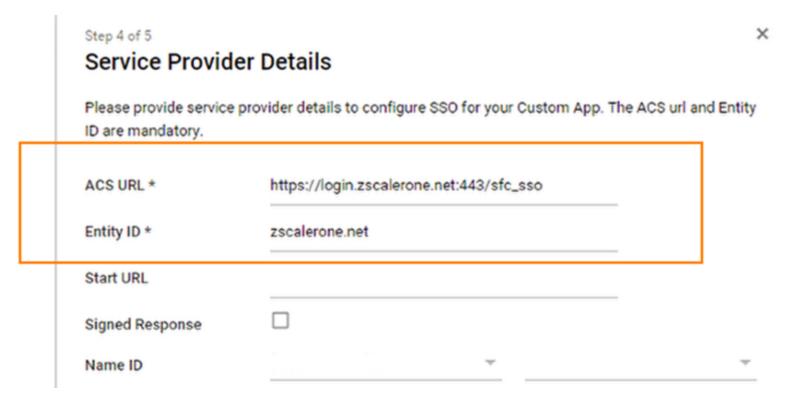


Step 3 of 5 <b>Basic informati</b>	on for your Custom App	×
Please provide the basic viewed by end-users of	c information needed to configure your Custom App the application.	p. This information will be
Application Name *	Zscaler	app-id: zscaler
Description		
Upload logo	() CHOOSE FILE	
	This logo will be displayed for all users who have a Please upload a .png or .gif image of size 256 x 25	
PREVIOUS		CANCEL NEXT





- Enter the Zscaler SSO URL https://login.zscalerone.net:443/sfc\_sso
- Entity ID: <u>zscalerone.net</u>

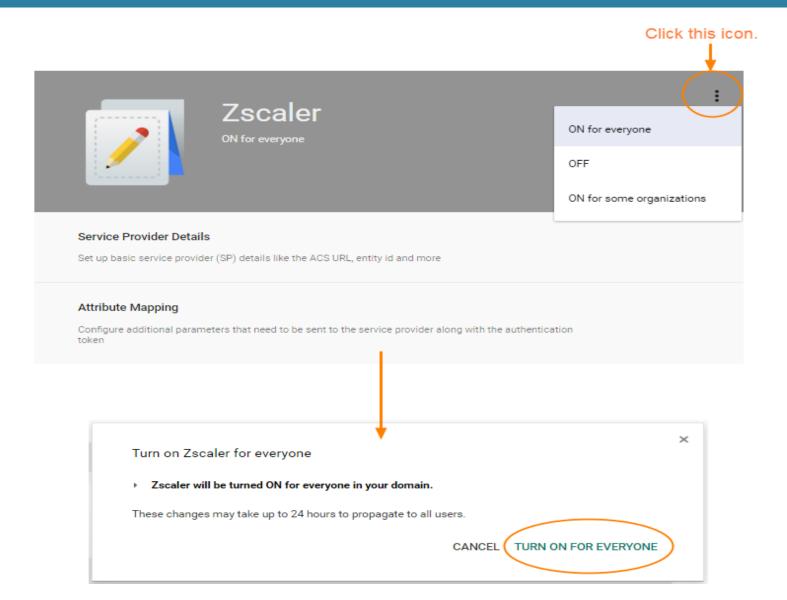






	Step 5 of 5 Attribute Mapping					×		×
•	Provide mappings between servic displayName	Basic Information	to avail	Primary Email	ields.		he ACS url ar	nd Entity
	ADD NEW MAPPING							
	PREVIOUS				CANCEL	FINISH		
	PREVIOUS						CANCEL	NEXT



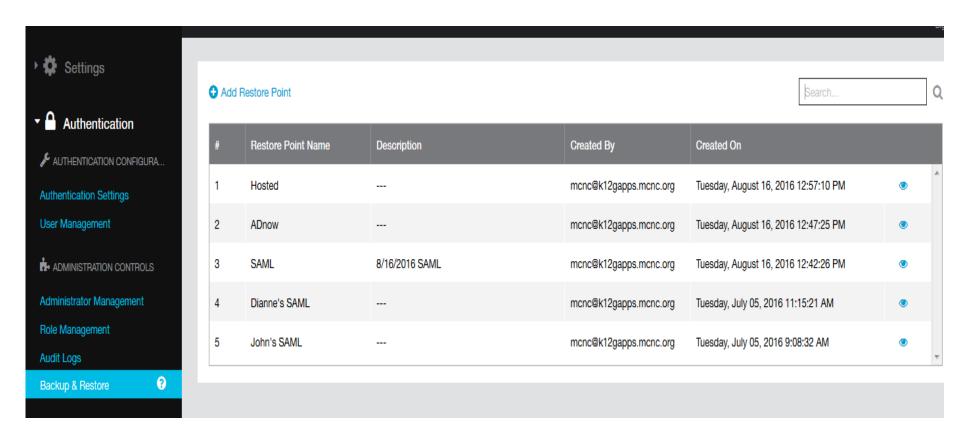




#### Authentication - Back Up Zscaler



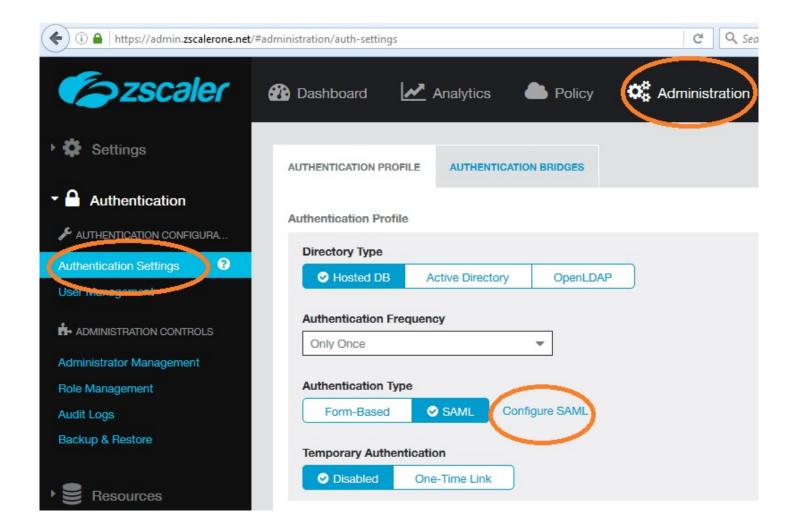
#### Zscaler backup....





### Authentication - configuring SAML in Zscaler







# Authentication - configuring SAML in Zscaler



ZScaler	Dashboard Analytics Policy	Administration
▶ 🏠 Settings	Edit SAML	×
Authentication  Authentication Configura  Authentication Settings  User Management  ADMINISTRATION CONTROLS	Identity Provider (IDP) Options  SAML Portal URL  https://accounts.google.com/o/saml2/idp?idpi  Public SSL Certificate  GoogleIDPCertificate-k12gapps.mcnc.org (1), em  Upload	Email
Administrator Management Role Management Audit Logs Backup & Restore Resources	Service Provider (SP) Options  Sign SAML Request  Request Signing SSL Certificate  Certificate 2( Expires 2018 September )	SP's Metadata
	Auto-Provisioning Options  Enable SAML Auto-Provisioning	Download
	User Display Name Attribute  Primary Email  Department Name Attribute  Department	Group Name Attribute Groups



## Authentication - configuring SAML in Zscaler

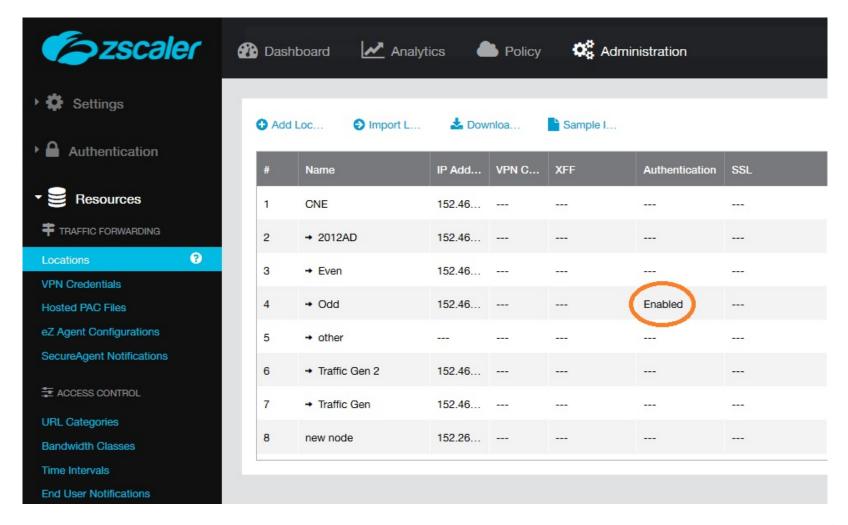


iboard Analytics Applicy	No. Administration	×	
II OAIVIE		^	
ntity Provider (IDP) Options			
SAML Portal URL	Login Name Attribute		
https://accounte.google.com/o/saml2/idp?idpi	Email		
Public SSL Certificate GoogleIDPCertificate-k12gapps.mcnc.org (1).pem Upload			
rvice Provider (SP) Options			
Sign SAML Request			
Request Signing SSL Certificate			
Certificate 2( Expires 2018 September ) ▼		_	
SP's Public SSL Certificate	SP's Metadata		
Download	Download		
to-Provisioning Options			
Enable SAML Auto-Provisioning			
✓ 🔲			
User Display Name Attribute	Group Name Attribute	_	
Primary Fmail	Groups		
Department Name Attribute			
Department			



### Authentication - turning on for sublocation in Zscaler

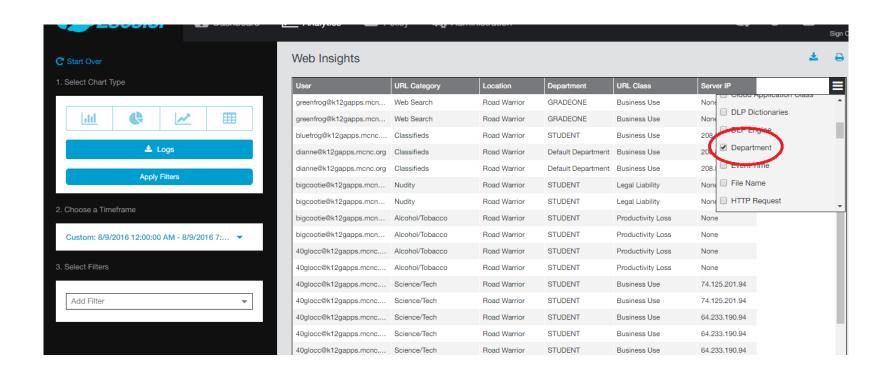






## Authentication - Department with authorization "off"

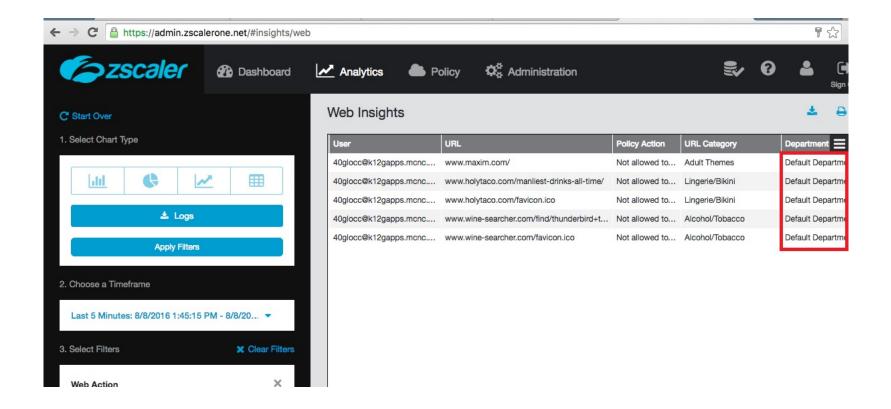






## Authentication - Department with authorization "off"







#### Authorization - Google configuration



	Google non-custom Attributes		Custom Attributes		
Email	OU/orgUnitPath	Group/Group-email	Zscaler_Dept	Zscaler_Group	
9thWonder@k12gapps.mcnc.org	/PWM/Admins	admins@k12gapps.mcnc.org	FRONTOFFICE	nonstudent@k12gapps.mcnc.org	
2\$Fabo@k12gapps.mcnc.org	/PWM/EastEStudents	students@k12gapps.mcnc.org	STUDENTS	elementary@k12gapps.mcnc.org	
AlbertEinstein@k12gapps.mcnc.or	/PWM/MainEStudents	students@k12gapps.mcnc.org	STUDENTS	elementary@k12gapps.mcnc.org	
12Gauge@k12gapps.mcnc.org	/PWM/NorthMStudents	students@k12gapps.mcnc.org	STUDENTS	middle@k12gapps.mcnc.org	
AlexanderGrahamBell@k12gapps.	/PWM/SouthMStudents	students@k12gapps.mcnc.org	STUDENTS	middle@k12gapps.mcnc.org	
AndersonPaak@k12gapps.mcnc.or	/PWM/Hstudents	students@k12gapps.mcnc.org	STUDENTS	high@k12gapps.mcnc.org	
50Cent@k12gapps.mcnc.org	/PWM/WestEStudents	students@k12gapps.mcnc.org	STUDENTS	elementary@k12gapps.mcnc.org	
2Pistols@k12gapps.mcnc.org	/PWM/EastETeachers	teachers@k12gapps.mcnc.org	TEACHERS	nonstudent@k12gapps.mcnc.org	
ActionBronson@k12gapps.mcnc.o	/PWM/Hteachers	teachers@k12gapps.mcnc.org	TEACHERS	nonstudent@k12gapps.mcnc.org	
40Glocc@k12gapps.mcnc.org	/PWM/MainETeachers	teachers@k12gapps.mcnc.org	TEACHERS	nonstudent@k12gapps.mcnc.org	
AndreNickatina@k12gapps.mcnc.c	/PWM/NorthMTeachers	teachers@k12gapps.mcnc.org	TEACHERS	nonstudent@k12gapps.mcnc.org	
AlfredHitchcock@k12gapps.mcnc.	/PWM/SouthMTeachers	teachers@k12gapps.mcnc.org	TEACHERS	nonstudent@k12gapps.mcnc.org	
AliVegas@k12gapps.mcnc.org	/PWM/WestETeachers	teachers@k12gapps.mcnc.org	TEACHERS	nonstudent@k12gapps.mcnc.org	



# Authorization - adding Department (and/or Group) schema in Google (web)



https://support.google.com/a/answer/6327792?hl=en

Schema insert page:

https://developers.google.com/admin-sdk/directory/v1/reference/schemas/insert#try-it

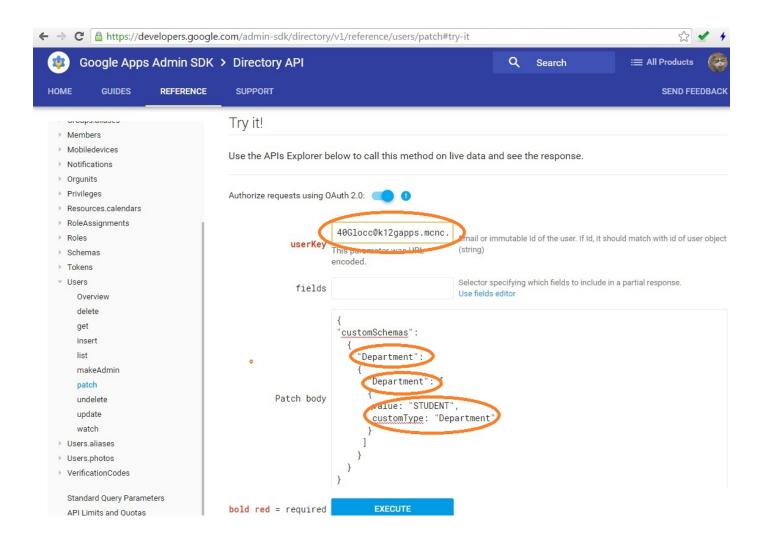
```
"fields":
  "fieldName": "Department",
 "fieldType": "STRING",
  "readAccessType": "ADMINS_AND_SELF",
  "multiValued": true
"schemaName": "Department"
```



#### Authorization - populating Department schema in Google (web)



https://developers.google.com/admin-sdk/directory/v1/reference/users/patch#try-it





### Authorization - populating Department schema in Google (web)



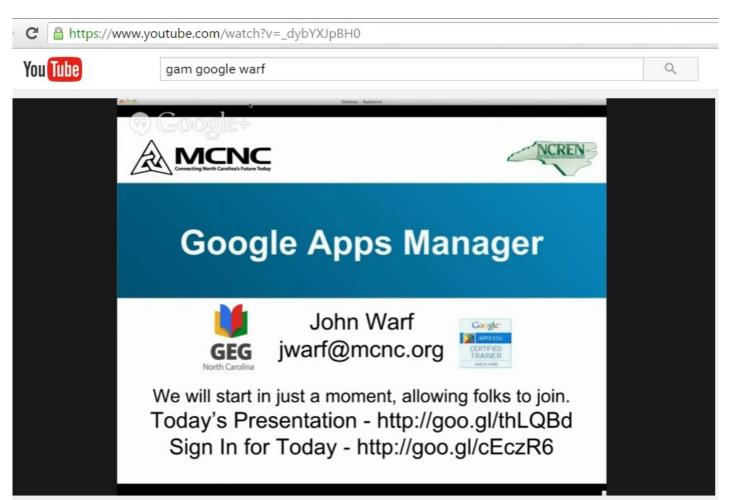
```
200
 - SHOW HEADERS -
 "kind": "admin#directory#user",
 "id": "114273000339697970674",
 "etag": "\"XGyyUMiAmCo7o31SWwFDDNla4RE/4fzlfFvrWWD4WawsZIbZOue_IUw\"",
 "primaryEmail": "40glocc@k12gapps.mcnc.org",
-"name": {
  "givenName": "40",
  "familyName": "Glocc",
  "fullName": "40 Glocc'
 "isAdmin": false,
 "isDelegatedAdmin": false,
 "lastLoginTime": "2016-08-08T17:41:02.000Z",
 "creationTime": "2016-08-03T19:50:14.000Z",
 "agreedToTerms": true,
 "suspended": false,
 "changePasswordAtNextLogin": false,
 "ipWhitelisted": false,
-"emails": [
   "address": "40glocc@k12gapps.mcnc.org",
   "primary": true
 "customerId": "C01k0d5zn",
 "orgUnitPath": "/PWM/MainETeachers",
 "isMailboxSetup": true,
 "includeInGlobalAddressList": true,
-"customSchemas": {
 -"Department": {
  -"Department": [
     "customType : Department",
     "value" ( "STUDENT"
```



## Authorization - adding Department (and/or Group) schema in Google with GAM



- GAM=Google Apps Manager
- https://www.youtube.com/watch?v=\_dybYXJpBH0





## Authorization - adding Department (and/or Group) schema in Google with GAM



C:\gam> gam info domain

C:\gam> gam create schema Department

field Department type string multivalued endfield

C:\gam> gam create schema Groups

field Groups type string multivalued endfield

C:\gam> gam print schemas



### Authorization - populating Department (and/or Group) schema existing users in Google GAM



'gam update user janedoe@k12gapps.mcnc.org Department.Department multivalue STUDENT gam update user vct@k12gapps.mcnc.org Department.Department multivalue TEACHER gam update user mrzeke@k12gapps.mcnc.org Department.Department multivalue FRONTOFFICE

gam update user vct@k12gapps.mcnc.org Groups.Groups multivalue nonstudent@k12gapps.mcnc.org

gam update user janedoe@k12gapps.mcnc.org Groups.Groups multivalue <u>elementary@k12gapps.mcnc.org</u> Groups.Groups multivalue <u>middle@k12gapps.mcnc.org</u>

gam update user 50cent@k12gapps.mcnc.org Department.Department multivalue FRONTOFFICE Department.Department multivalue TEACHER



## Authorization - populating Department (and/or Group) schema in Google GAM



gam info user janedoe@k12gapps.mcnc.org

```
User: janedoe@k12gapps.mcnc.org
rirst Name: 7
Last Name: ane
Is a Super Admin: False
Is Delegated Admin: False
Has Agreed to Terms: True
IP Whitelisted: False
Account Suspended: False
Must Change Password: False
Google Unique ID: 106911627312612860553
Customer ID: C01k0d5zn
Mailbox is setup: True
Included in GAL: True
Creation Time: 2016-05-09T20:40:12.000Z
Last login time: 2016-08-01T15:29:37.000Z
Google Org Unit Path: /all grades/elementary@k12gapps.mcnc.org
Custom Schemas:
 Schema: Department
  Department:
   STUDENT
 Schema: Groups
  Groups:
   elementary@k12gapps.mcnc.org
   middle@k12gapps.mcnc.org
```

Licenses:



# Authorization - populating new users, OUs, Departments (and/or Group) schema in Google GAM csv



Gam to create new users.

#### File is testuser.csv:

fullname	Email	firstname	lastname	orgUnitPath	Password	Ggroup	Zscaler_Dept	Zscal
MrKila	MrKila@k12gapps.mcnc.org	Mr	Kil	/PWM/MainETeachers	Qwerty1234!	eteachers@k12gapps.mcnc.org	TEACHERS	nons
MrGlocc	MrGlocc@k12gapps.mcnc.org	Mr	Gloc	/PWM/MainETeachers	Qwerty1234!	eteachers@k12gapps.mcnc.org	TEACHERS	nons

gam csv testuser.csv gam create user ~Email password ~Password firstname ~firstname lastname ~lastname

gam csv testuser.csv gam update user ~Email OU ~orgUnitPath

gam csv testuser.csv gam update user ~Email Department.Department multivalue ~Zscaler\_Dept

gam csv testuser.csv gam update user ~Email Groups.Groups multivalue ~Zscaler\_Group



# Authorization - updating existing users with Departments (and/or Groups) schema in Google GAM csv



Retrieving list of existing users:

gam print users allfields

gam print users allfields > outfile.csv



# Authorization - updating existing user Departments (and/or Group) schema in Google GAM csv



=IF(ISNUMBER(SEARCH("Admins\*",W<row#>)),"NONSTUDENT","STUDENT")

Α	W	AG
primaryEmail	orgUnitPath	Department
100kila@k12gapps.mcnc.org	/PWM/MainETeachers	STUDENT
12gauge@k12gapps.mcnc.org	/PWM/NorthMStudents	STUDENT
2chainz@k12gapps.mcnc.org	/PWM/EastEStudents	STUDENT
2pistols@k12gapps.mcnc.org	/PWM/EastETeachers	STUDENT
abrahamlincoln@k12gapps.mcnc.org	/PWM/MainETeachers	STUDENT
abstractrude@k12gapps.mcnc.org	/PWM/Admins	NONSTUDENT
acehood@k12gapps.mcnc.org	/PWM/SouthMStudents	STUDENT
actionbronson@k12gapps.mcnc.org	/PWM/HTeachers	STUDENT
adamsaleh@k12gapps.mcnc.org	/PWM/WestEStudents	STUDENT
andre3000@k12gapps.mcnc.org	/PWM/Admins	NONSTUDENT
andrenickatina@k12gapps.mcnc.org	/PWM/NorthMTeachers	STUDENT
andygriffith@k12gapps.mcnc.org	/PWM/NorthMStudents	STUDENT
andymineo@k12gapps.mcnc.org	/PWM/MainETeachers	STUDENT
andyrooney@k12gapps.mcnc.org	/PWM/HTeachers	STUDENT



## Authorization - updating existing users, Departments (and/or Group) schema in Google GAM csv



gam csv outfile.csv gam update user ~Email Department.Department multivalue ~Department



# Authorization - updating existing users, Departments (and/or Group) schema in Google GAM csv bat file



@echo off

rem Script to pull users from Google using gam and repopulate the Department.Department or Groups.Groups custom field for Zscaler

if "%1"=="" echo Google group is undefined &goto end

set infile=%1

if "%2"=="" echo Zscaler group or department missing &goto end

set outfile=%2

cls

echo Do you want for variable to go in schema Groups. Groups or Department. Department for Zscaler?

set /p grodep=G/D

if %grodep%==G set field=Groups

if %grodep%==D set field=Department

cls

echo.



# Authorization - updating existing users, Departments (and/or Group) schema in Google GAM csv bat file



echo Enter F to continue and associate Google users in group %infile% with Zscaler %field% %2 and place in %infile %.csv, %infile%.%field%.csv

echo.

echo Enter Y to continue and associate Google users in group %infile% with Zscaler %field% %2 and place in %infile %.csv, %infile%.%field%.csv then modify Google entries using gam

echo.

echo Enter Q to quit

echo.

set /p choice=F/Y/Q

echo.

if %choice%==Q goto end

call gam info group %1 > %1.csv

echo user,%field%.%field%> %1.%field%.csv

FOR /f "tokens=2" %%i in ('type %1.csv ^| findstr member:') DO @echo %%i,%2 >> ,%1.%field%.csv

if %choice%==Y gam csv %1.%field%.csv gam update user ~user %field%.%field% multivalue ~%field%.%field%

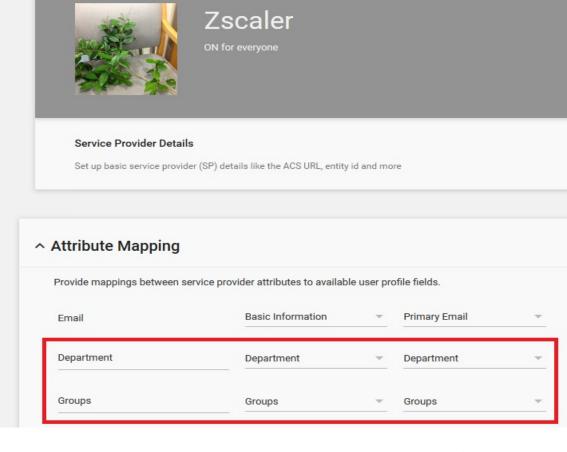
:end



## Authorization - department/group attribute mapping in Google



Apps > SAML Apps > Settings for Zscaler





## Authorization - configuring SAML in Zscaler



ZSCOIC	Dashboard	Analytics	Policy	Administration	
▶ 🔅 Settings	Edit SAML				×
Authentication  Authentication Configura  Authentication Settings  User Management	SAML Por	ider (IDP) Options  tal URL  counts.google.com/o/sam  Certificate  Certificate-k12gapps.mcn.		Email	
Administration Controls  Administrator Management  Role Management	Upload Service Provi	ider (SP) Options			
Audit Logs Backup & Restore	Sign SAMI	L Request			
Resources	Certificat	e 2( Expires 2018 Septe		SP's Metadata Download	
		oning Options  ML Auto-Provisioning	]		
	User Displ	lay Name Attribute		Group Name Attribute	
	<b>Departme</b> Departme	nt Name Attribute			



### Authorization - department/group behavior



	Department	Groups
Single-membership appearance in logs?	Yes	No
Single-membership filtering decisions?	Yes	Yes
Multiple-membership appearance in logs?	No*	No
Multiple membership filtering decisions?	No*	Yes

\* Only the first Department will be used/seen/parsed/logged by Zscaler



## Authorization - department/group behavior



User: 50cent@k12gapps.mcnc.org First Name: 50 Last Name: Cent. Is a Super Admin: False Is Delegated Admin: False Has Agreed to Terms: True IP Whitelisted: False Account Suspended: False Must Change Password: False Google Unique ID: 118008096095087238185 Customer ID: C01k0d5zn Mailbox is setup: True Included in GAL: True Creation Time: 2016-08-03T19:50:21.000Z Last login time: Never Google Org Unit Path: /PWM/WestEStudents

#### Custom Schemas:

Schema: Department
Department:
FRONTOFFICE
TEACHERS

Schema: Groups

Groups: middle@k12gapps.mcnc.org

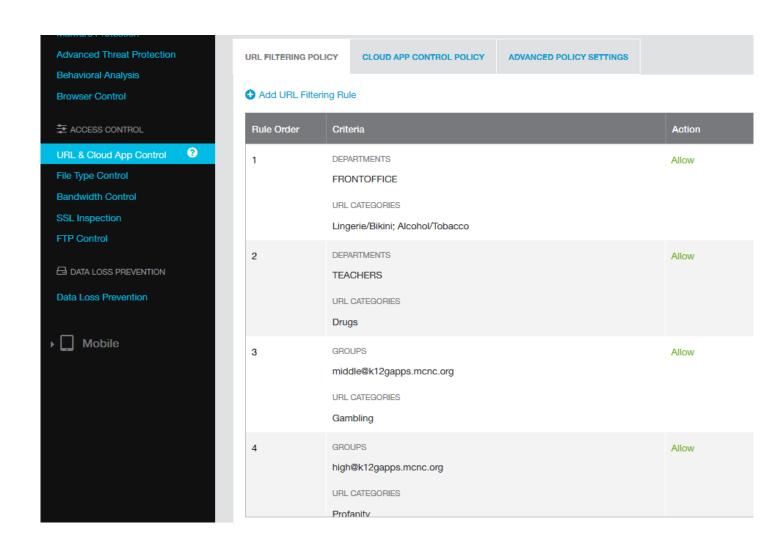
middle@k12gapps.mcnc.org high@k12gapps.mcnc.org

Groups: (1)
 Students <students@k12gapps.mcnc.org>
Licenses:



## Authorization - department/group behavior

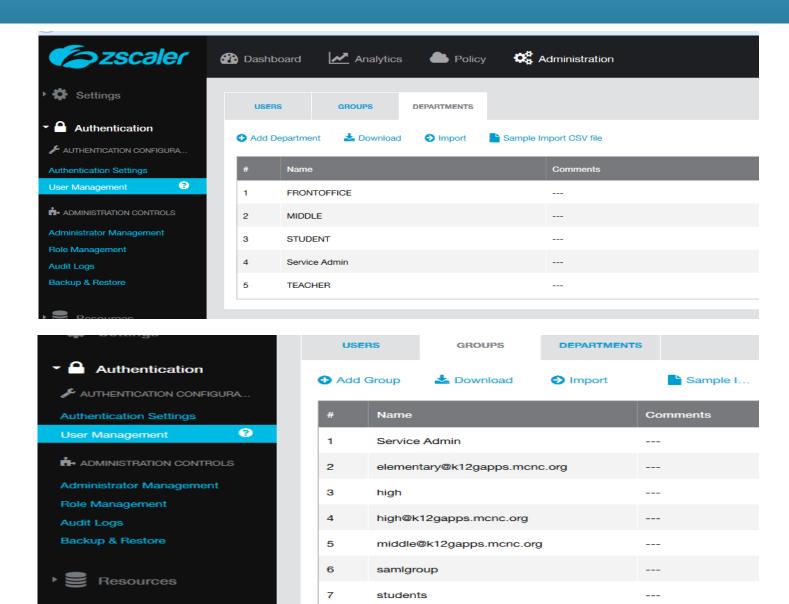






### Authorization - auto-provisioning







### Accounting - logs

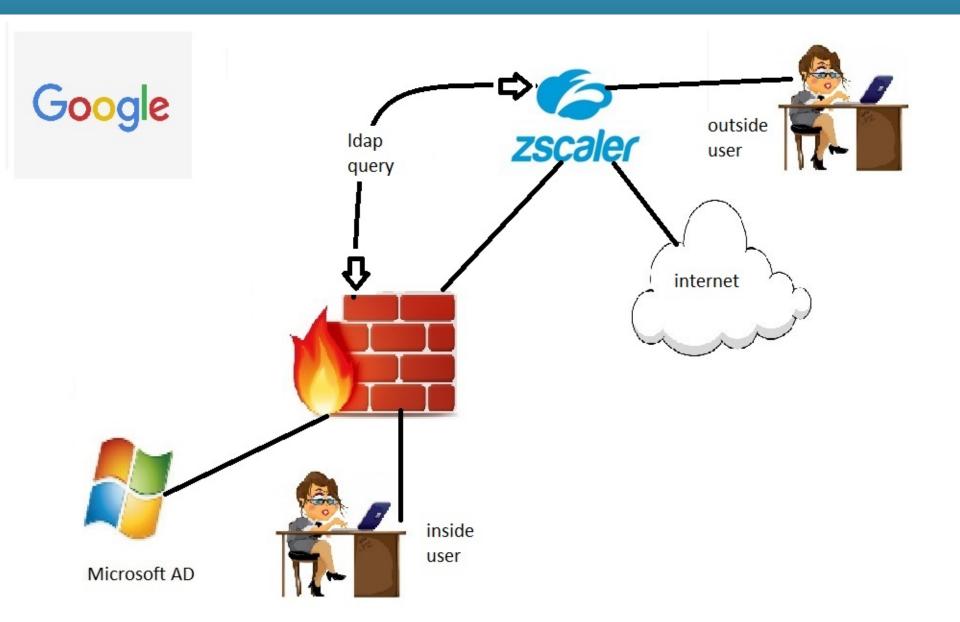


No.	Logged Time	User	URL	Policy Action	Department
1	Tuesday, August 09,	greenfrog@k12gapps.mcn	www.bing.com/	Not allowed to	GRADEONE
2	Tuesday, August 09,	greenfrog@k12gapps.mcn	www.bing.com/favicon.ico	Not allowed to	GRADEONE
3	Tuesday, August 09,	bigcootie@k12gapps.mcn	porn.com/	Not allowed to	STUDENT
4	Tuesday, August 09,	bigcootie@k12gapps.mcn	porn.com/favicon.ico	Not allowed to	STUDENT
5	Tuesday, August 09,	bigcootie@k12gapps.mcn	www.wine-searcher.com/find/thunderbird+the	Not allowed to	STUDENT
6	Tuesday, August 09,	bigcootie@k12gapps.mcn	www.wine-searcher.com/favicon.ico	Not allowed to	STUDENT
7	Tuesday, August 09,	40glocc@k12gapps.mcnc	www.winespectator.com/	Not allowed to	STUDENT
8	Tuesday, August 09,	40glocc@k12gapps.mcnc	www.winespectator.com/favicon.ico	Not allowed to	STUDENT



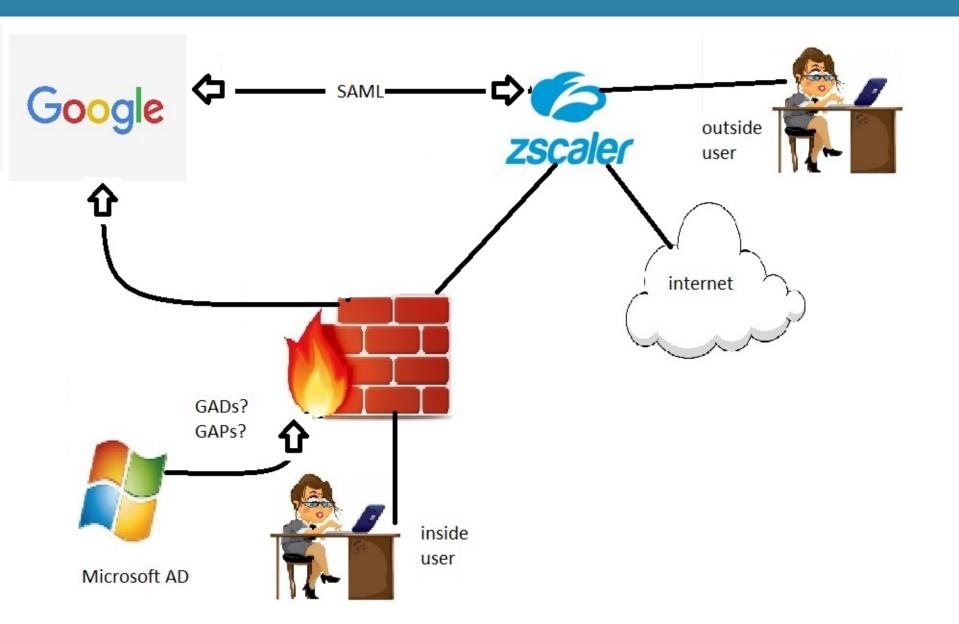
### AD - no SAML





### SAML with AD





1

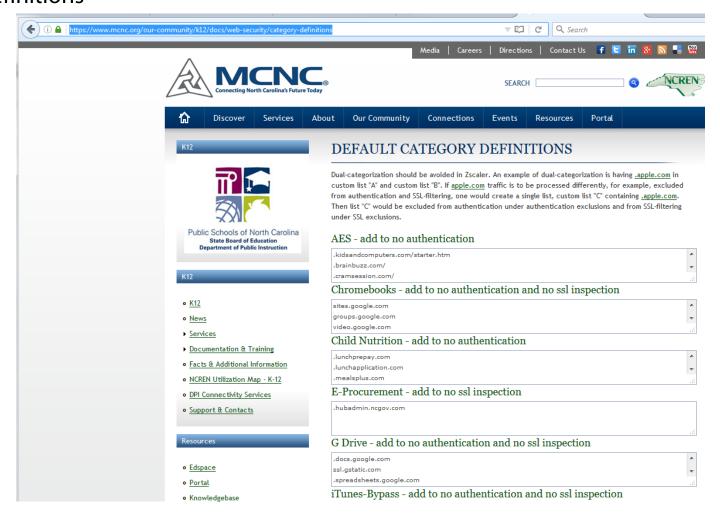


**Platform Firefox** MIE Safari Chrome Google-driveapp Chromebook N/A N/A N/A N/A Χ ipad N/A N/A Χ Χ Χ Microsoft N/A X X X X Macbook N/A X X X X





https://www.mcnc.org/our-community/k12/docs/web-security/category-definitions







### Google

#### Choose an account

Unknown Unknown bigcootie@k12gapps.mcnc.org	>
Dianne Dunlap dianne@k12gapps.mcnc.org	>
40 Glocc 40glocc@k12gapps.mcnc.org	>
j ane janedoe@k12gapps.mcnc.org	>
Add account Remove	





ip.zscaler.com/cgi-bin/index.cgi



Your request is arriving at this server from the IP address 152.26.210.24

You are accessing this host via a Zscaler proxy in the zscalerone.net cloud.

Check Your Connection Quality / Run Zscaler Analyzer

The Zscaler hostname for this proxy appears to be one-pmcnc6b1.

The request is being received by the Zscaler Proxy from the IP address 128.109.64.94

Your Gateway IP Address is 128.109.64.94

#### K12 GApps

Your user name is: 40glocc@k12gapps.mcnc.org.

Logout





G Google Accounts	× G Google Accounts ×	G Google Accounts	× G Sign in - Google Accounts ×	☐ Welcome To Zscaler Direct ×
← → C 🔓 https://gateway.zscale	erone.net/auF?origurl=http%3A%	2F%2Fwww%2ebing%2ec	om%2f&_ordtok=PsZ3WVRVKk0Dl	DsqkKtssTDPRPt&_sm_af_=EXP
	♣ Sign In			
	=	et threats, please sign in	n to your company's security se	rvice.
	User Name			
	Enter your User Name			
	Sign In			
	Need help? Contact your IT support.			



### **Questions?**



Questions?







### Summer Webinar Series Google<-SAML->Zscaler Integration

Dianne Dunlap (<a href="mailto:ddunlap@mcnc.org">ddunlap@mcnc.org</a>, 919-248-8439) Client Network Engineering

Webinar Links: www.mcnc.org/cne-webinars