Self Driving Cloud

Policy Analyzer



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Lead UX Designer

Role

I was the first designer to join the Self Driving Cloud team and ever since, I've been the Lead UX Designer and thought leader behind the suite of SDC products three years now.

Policy Analyzer is the fourth and last product within the self-driving cloud initiative that I have lead from inception to launch.

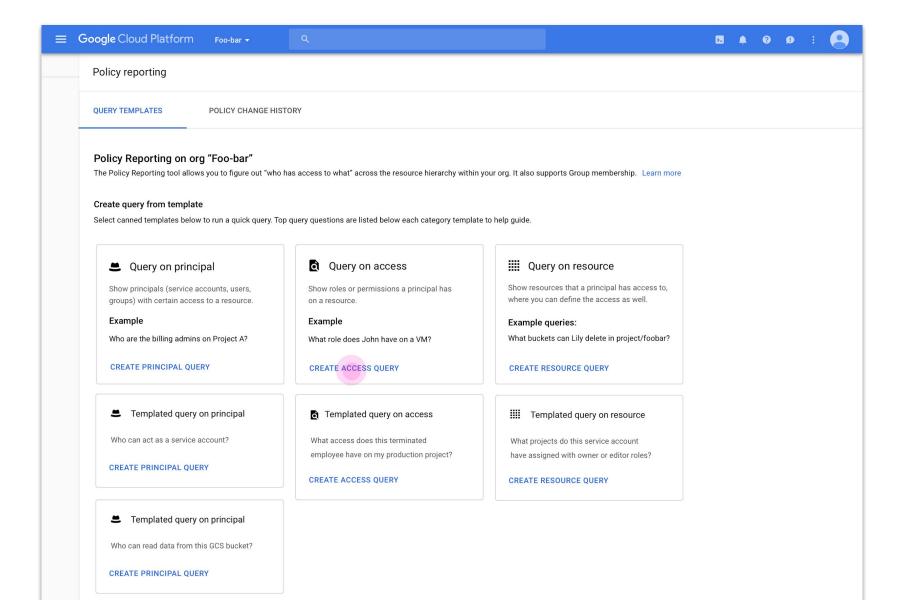
The Problem:

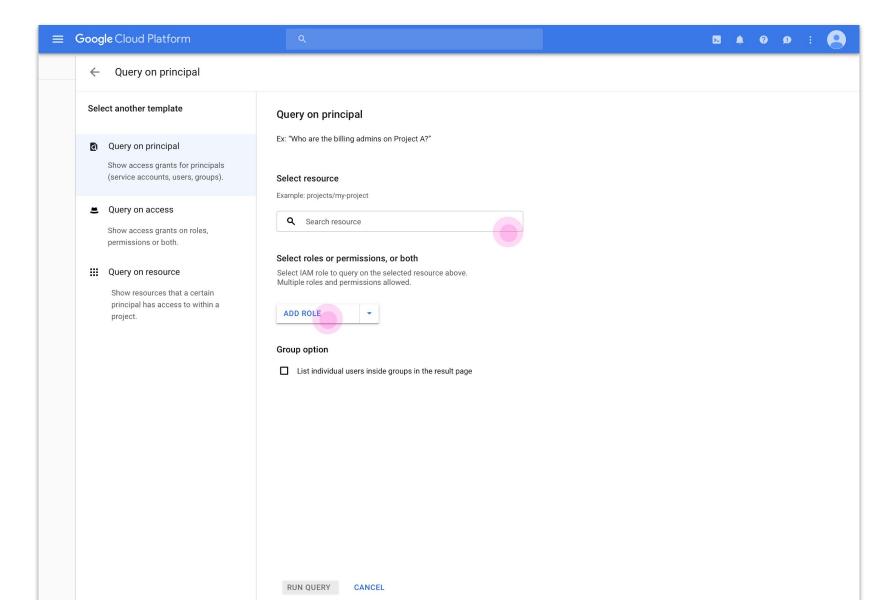
Reviewing access for internal governance & compliance is time consuming and painful because it's a manual process.

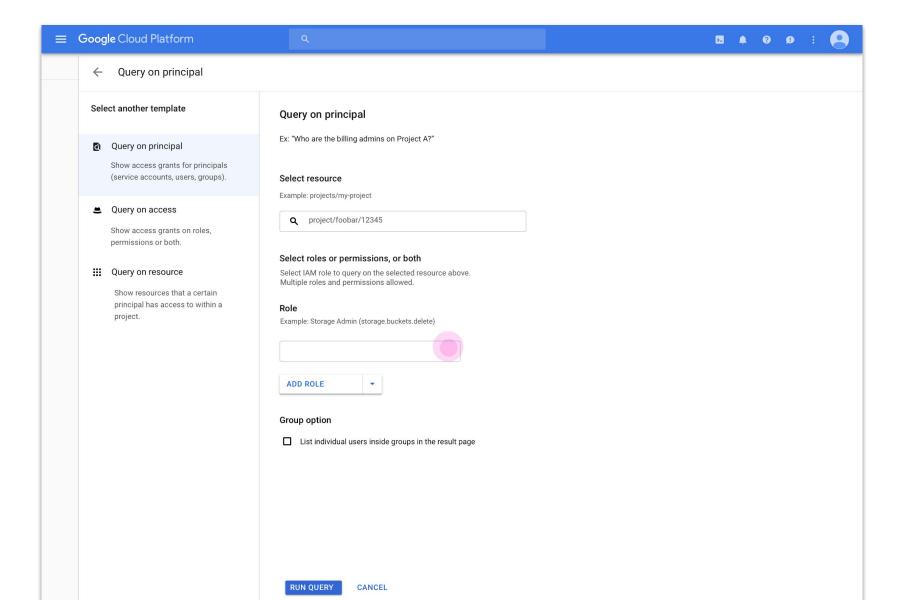
The Mission:

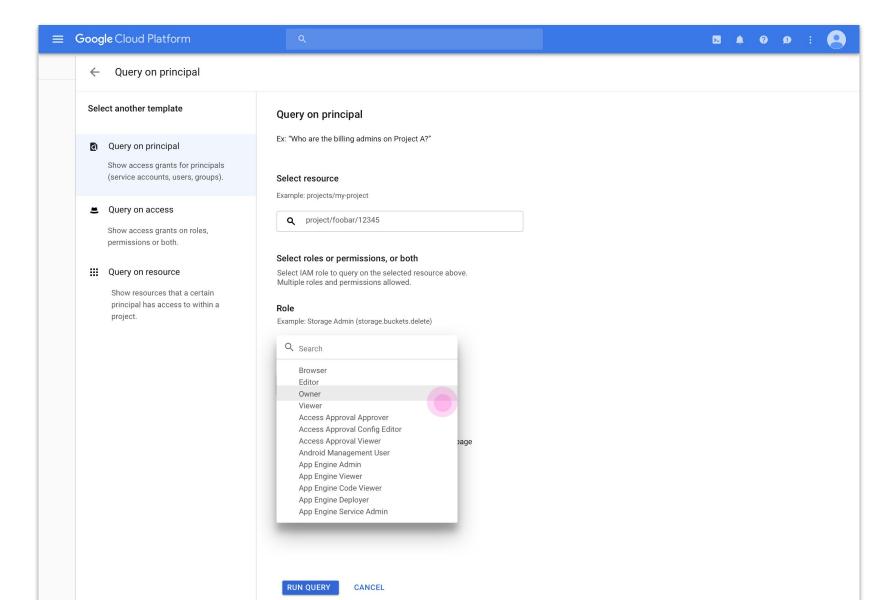
Analyzer helps customers understand <u>who</u> has access to <u>what</u>. It's backed by a power API that audits, analyzes, and investigates incidents related to access.

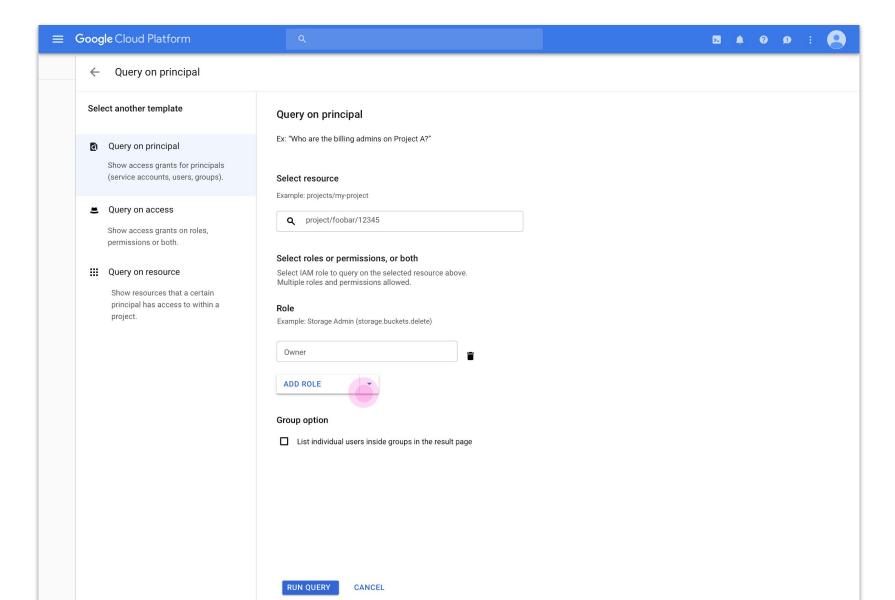
Let's walk through Policy Analyzer.

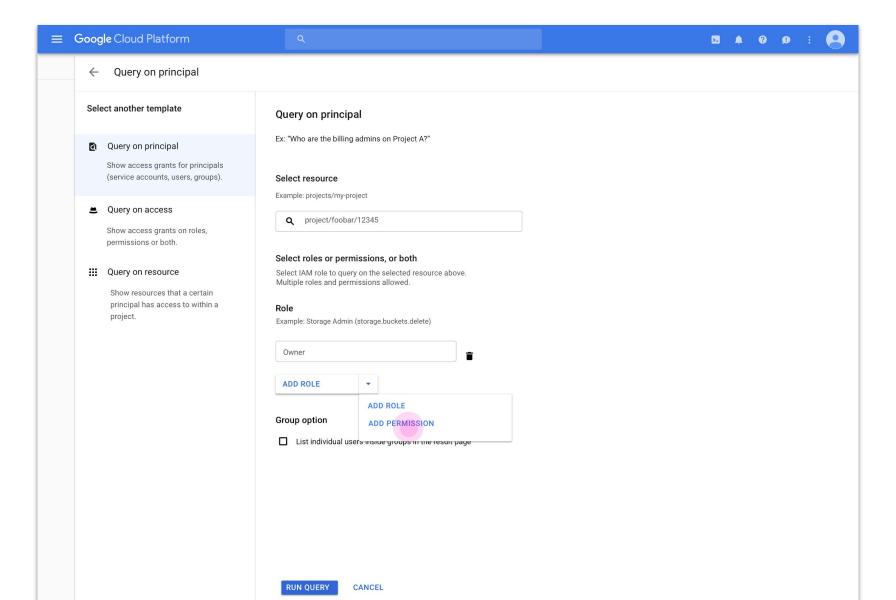


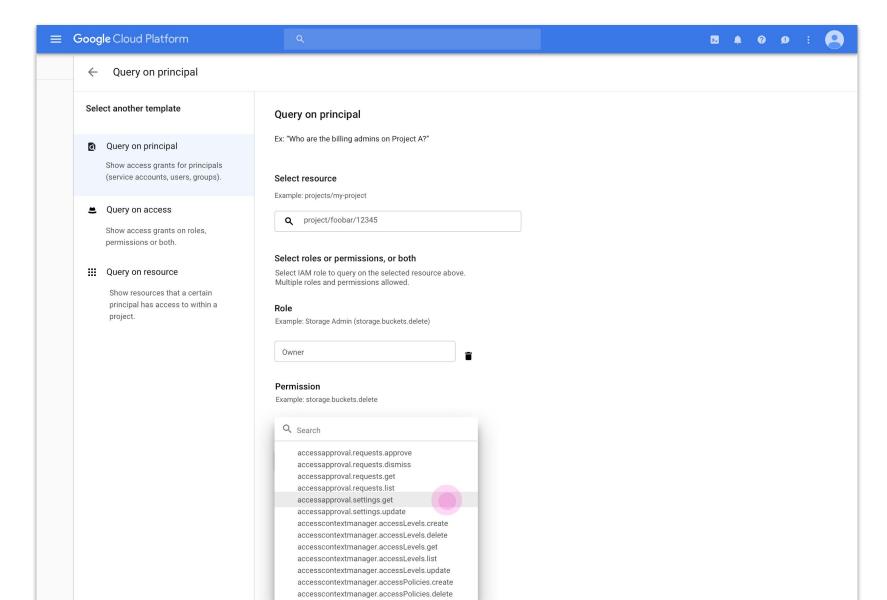


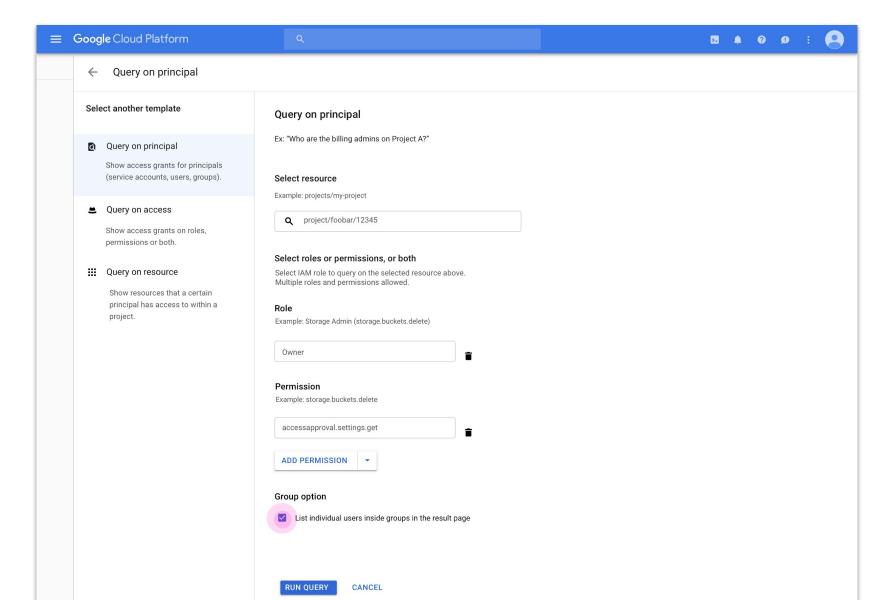












API time constrained. Some results might be incomplete.

Query parameters

Resource	project/foo/bar/12345
Role	Owner
Permission	accessapproval.settings.get

Results

A full result of individual bindings and access grants mapped to the resource, based off the queried parameters above.

Resource	Principal ↑	Role grant	Permission grant	Inheritance		
• foobar/12345	vandyr@google.com	Owner		⊞ Google	VIEW BINDING	
• foobar/12345	● 830334396924@foobar	Owner	access.approval.settings.get	Sandbox	VIEW BINDING	1
• foobar/12345	sophia@google.com	Owner	access.approval.settings.get	Data Folder	VIEW BINDING	5
• foobar/12345	chris@google.com	Owner		■ Prod	VIEW BINDING	,
• foobar/12345	carolyn@google.com	Owner		Vision-2020	VIEW BINDING	,
• foobar/12345	■ 107261923744@foobar	Owner		■ Alphabet	VIEW BINDING	
• foobar/12345	dominique@google.com	Owner	access.approval.settings.get	■ Verily	VIEW BINDING	
• foobar/12345	laura@google.com	Owner	access.approval.settings.get	⊞ Ads	VIEW BINDING	1
• foobar/12345	dev-ux@google.com (36) 🗸	Owner		Vision-2019	VIEW BINDING	1
• foobar/12345	prod@google.com (12) V	Owner	access.approval.settings.get	VM-image-store	VIEW BINDING	1
• foobar/12345	dev-admin@google.com (3) 🗸	Owner	access.approval.settings.get	London Fog	VIEW BINDING	
• foobar/12345	amatt@google.com		access.approval.settings.get	Prod-2020	VIEW BINDING	
• foobar/12345	lane@google.com	Access Context Manager Admin	access.approval.settings.get	■ Test	VIEW BINDING	

← Report on principal

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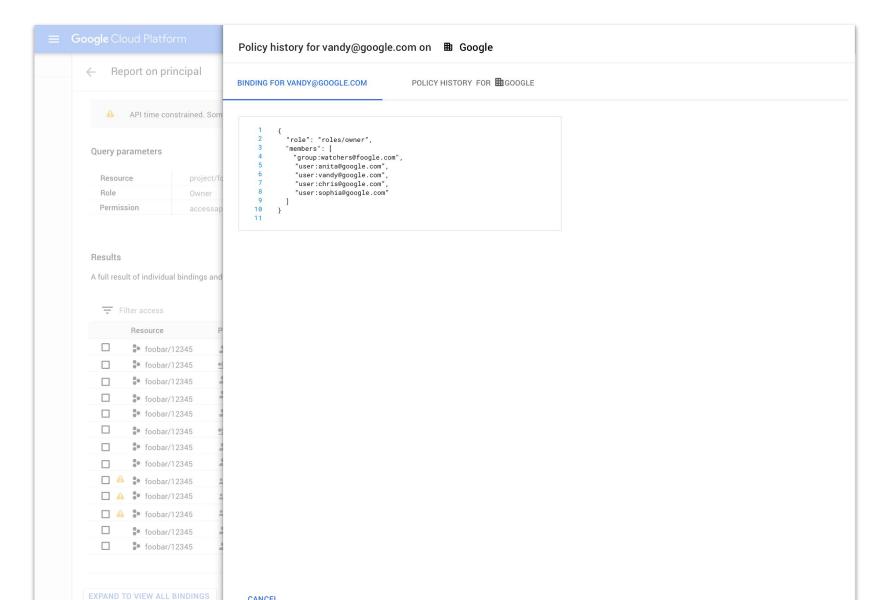
Query parameters

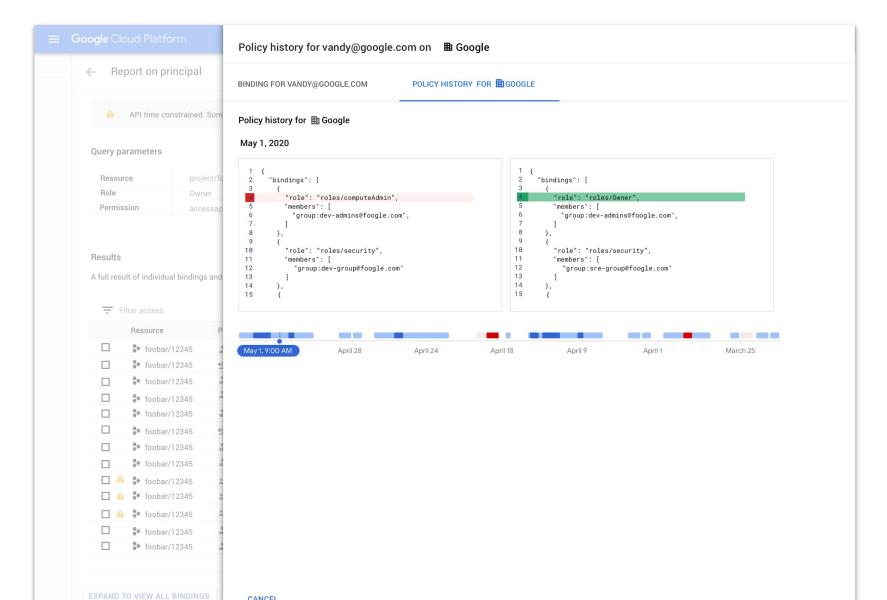
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foobar/12345	•■ 830334396924@foobar	Owner	access.approval.settings.get	Sandbox View	binding
foobar/12345	sophia@google.com	Owner	access.approval.settings.get	Data Folder View	policy history
□ • foobar/12345	chris@google.com	Owner		Prod	VIEW BINDING
☐ • foobar/12345	carolyn@google.com	Owner		Vision-2020	VIEW BINDING
□ \$ foobar/12345	■ 107261923744@foobar	Owner		Alphabet	VIEW BINDING
☐ \$ foobar/12345	dominique@google.com	Owner	access.approval.settings.get	■ Verily	VIEW BINDING
foobar/12345	laura@google.com	Owner	access.approval.settings.get	⊞ Ads	VIEW BINDING
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Thank You