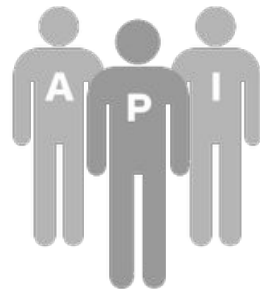




# Role Based Access Control (RBAC)

# Role Based Access Control

- **Permissions** define create/read/update/delete access to resources
- **Roles** identify a collection of permissions that can be assigned to a user
- **Custom Roles** can be created to augment the prebuilt roles



User



Operations Administrator



Business User



Read-only Organization Administrator









Developer Administrator



Organization Administrator

# Roles and Permissions

     	< ADMIN	
	Manage roles, environments, and access to your organization.	
	Users	
	Roles	
	Environments	
	Audit Logs	
	Built-in Roles	
	ROLE ▲	USERS
	<a href="#">Business User</a>	Business User
	<a href="#">Developer Administrator</a>	Devadmin Myorg
	Custom Roles	
	ROLE ▲	USERS
	<a href="#">Analytics Reporter</a>	Analytics Reporter
	<a href="#">OperationsAdministratorAdditions</a>	Operations Additions
	<a href="#">Project Codename</a>	Project Codename Developer
	<a href="#">QA Tester</a>	QA Tester

## Documentation

<http://docs.apigee.com/api-services/content/edge-built-roles>

<http://docs.apigee.com/api-services/content/managing-roles-api>

## Management API

<https://api.enterprise.apigee.com/v1/o/{org}/userroles>

<https://api.enterprise.apigee.com/v1/o/{org}/userroles/{role}/permissions>

<https://api.enterprise.apigee.com/v1/o/{org}/userroles/{role}/users>

<https://api.enterprise.apigee.com/v1/users/{user}/userroles>

# Custom Roles

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kkanaskie@training

Organization Roles > New Custom Role

ADMIN  
Manage roles, environments, and access to your organization.

Users

**Roles**

Environments

Audit Logs

Role Name

API Proxies

All API Proxies ☐ Create ☐ View ☐ Edit ☐ Delete

Specific API Proxies ☐ API Proxy ☐ Operations ☐ Environment Operations ☐ Actions

Deployment Status ☐ View

Environments

prod

API Proxies ☐ Trace ☐ Deploy

All Caches ☐ Create ☐ View ☐ Edit ☐ Delete

Specific Caches ☐ Cache ☐ Operations ☐ Actions

test

API Proxies ☐ Trace ☐ Deploy

All Caches ☐ Create ☐ View ☐ Edit ☐ Delete

Specific Caches ☐ Cache ☐ Operations ☐ Actions

Products

All Products ☐ Create ☐ View ☐ Edit ☐ Delete

Specific Products ☐ Product ☐ Operations ☐ Actions

Developers and Apps

Developers ☐ Create ☐ View ☐ Edit ☐ Delete

All Apps ☐ View

Developer Apps ☐ Create ☐ View ☐ Edit ☐ Delete

Company Apps ☐ Create ☐ View ☐ Edit ☐ Delete

Reports

All Reports ☐ Create ☐ View ☐ Edit ☐ Delete

Specific Reports ☐ Report ☐ Operations ☐ Actions

[SWITCH TO CLASSIC](#)

Typical use cases:

- Role Restricted Developer
- Analytics Reporter
- QA Tester
- Existing Resources Developer

# Custom Roles - Role Restricted Developer

Organization Roles > Project Codename

API Proxies

All API Proxies ✓ Create View Edit Delete

Specific API Proxies

API Proxy	Operations	Environment Operations
project-codename	✓ View ✓ Edit ✓ Delete	prod test Trace Deploy Trace Deploy

Deployment Status ✓ View

Environments

prod

API Proxies Trace Deploy

All Caches Create View Edit Delete

Specific Caches

Cache	Operations
-------	------------

test

API Proxies ✓ Trace ✓ Deploy

All Caches ✓ Create View Edit Delete

Specific Caches

Cache	Operations
-------	------------

Products

All Products ✓ Create View Edit Delete

Specific Products

Product	Operations
Codename Product	✓ View ✓ Edit ✓ Delete

Developers and Apps

Developers Create View Edit Delete

All Apps View

Developer Apps ✓ Create ✓ View ✓ Edit ✓ Delete

Company Apps Create View Edit Delete

Reports

All Reports ✓ Create ✓ View ✓ Edit Delete

Specific Reports

Report	Operations
--------	------------

## Key Concepts

- Newly created resources by users in a custom role are only visible to users in that role.
- Apps and Developers consuming resources are not restricted and reside at the org level.

# Custom Roles - Analytics Reporter

Organization Roles > Analytics Reporter

## Key Concepts

- View built in reports
- Creating and run custom reports

The screenshot displays the 'Analytics Reporter' configuration page for a custom role. It is organized into several sections, each with a list of permissions (Create, View, Edit, Delete) and a dropdown menu for 'Specific' items, followed by an 'Operations' button.

- API Proxies**
  - All API Proxies: Create, View, Edit, Delete
  - Specific API Proxies: API Proxy (dropdown), Operations
- Deployment Status**
  - View
- Environments**
  - prod**
    - API Proxies: Trace, Deploy
    - All Caches: Create, View, Edit, Delete
    - Specific Caches: Cache (dropdown), Operations
  - test**
    - API Proxies: Trace, Deploy
    - All Caches: Create, View, Edit, Delete
    - Specific Caches: Cache (dropdown), Operations
- Products**
  - All Products: Create, View, Edit, Delete
  - Specific Products: Product (dropdown), Operations
- Developers and Apps**
  - Developers: Create, View, Edit, Delete
  - All Apps: View
  - Developer Apps: Create, View, Edit, Delete
  - Company Apps: Create, View, Edit, Delete
- Reports**
  - All Reports: Create, View, Edit, Delete
  - Specific Reports: Report (dropdown), Operations

# Custom Roles - QA Tester

Organization Roles > QA Tester

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### API Proxies

All API Proxies ☒ Create ☒ View ☒ Edit ☒ Delete

Specific API Proxies API Proxy  Operations Environment Operations

Deployment Status ☒ View

### Environments

prod API Proxies ☒ Trace ☒ Deploy  
All Caches ☒ Create ☒ View ☒ Edit ☒ Delete  
Specific Caches Cache  Operations

test API Proxies ☒ Trace ☒ Deploy  
All Caches ☒ Create ☒ View ☒ Edit ☒ Delete  
Specific Caches Cache  Operations

### Products

All Products ☒ Create ☒ View ☒ Edit ☒ Delete

Specific Products Product  Operations

### Developers and Apps

Developers ☒ Create ☒ View ☒ Edit ☒ Delete

All Apps ☒ View

Developer Apps ☒ Create ☒ View ☒ Edit ☒ Delete

Company Apps ☒ Create ☒ View ☒ Edit ☒ Delete

### Reports

All Reports ☒ Create ☒ View ☒ Edit ☒ Delete

Specific Reports Report  Operations

## Key concepts

- Trace proxy to view coverage
- Verify boundary conditions
- Adjust configurations for test cases
- Manipulate caches, KVMs

# Custom Roles - Existing Resources Developer

Organization Roles > Project Codename

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### API Proxies

All API Proxies [Create](#) [View](#) [Edit](#) [Delete](#)

Specific API Proxies	API Proxy	Operations	Environment Operations
	project-codename	<a href="#">View</a> <a href="#">Edit</a> <a href="#">Delete</a>	prod <a href="#">Trace</a> <a href="#">Deploy</a> test <a href="#">Trace</a> <a href="#">Deploy</a>

Deployment Status [View](#)

### Environments

prod [API Proxies](#) [Trace](#) [Deploy](#)  
[All Caches](#) [Create](#) [View](#) [Edit](#) [Delete](#)  
Specific Caches [Cache](#) [Operations](#)

test [API Proxies](#) [Trace](#) [Deploy](#)  
[All Caches](#) [Create](#) [View](#) [Edit](#) [Delete](#)  
Specific Caches [Cache](#) [Operations](#)

### Products

All Products [Create](#) [View](#) [Edit](#) [Delete](#)

Specific Products	Product	Operations
	Codename Product	<a href="#">View</a> <a href="#">Edit</a> <a href="#">Delete</a>

### Developers and Apps

Developers [Create](#) [View](#) [Edit](#) [Delete](#)

All Apps [View](#)

Developer Apps [Create](#) [View](#) [Edit](#) [Delete](#)

Company Apps [Create](#) [View](#) [Edit](#) [Delete](#)

### Reports

All Reports [Create](#) [View](#) [Edit](#) [Delete](#)

Specific Reports	Report	Operations

## Key Concepts:

- Restrict access to existing APIs and related resources
- Requires Org Admin to create project related resources and associate with the project specific role





# Thank You