V2 Roles API

Related link:

https://www.figma.com/design/ay6AYgKYoF0yh1evYctbyP/Workspaces-MVP?node-id=7-4&p=f&t=tYeG4TknEZeGkkR8-0

- Read access roles: view a list of roles that user is under
    - Description: user wants to view a list of the roles that they have
    - API:
        - Request: Request: api/rbac/v2/roles/
        - Listed columns:
            - Name of role
            - Description
            - Count of permissions
            - Workspaces (How many workspaces that role is in)
            - User group (How many user groups that role is in)
            - Last modified
        - response:

```JSON
{
"meta": {
    "count": 5
}
"message" : "Roles found for user",
"roles": [
  {
    "uuid": "<role-uuid>",
    "Name": "Tenant admin",
    "Description": "description",
```

```
        "permissions_count": 5,
        "workspace_count": 1,
        "user_group_count": 1,
        "Last modified": "1 year ago"
    },
    {

        "uuid": "<role-uuid>",
        "Name": "Workspace admin",
        "Description": "description",
        "permissions_count": 4,
        "workspace_count": 1,
        "user_group_count": 1,
        "Last modified": "1 year ago"
    },
    {

        "uuid": "<role-uuid>",
        "Name": "RHEL DevOps",
        "Description": "description",
        "permissions_count": 3,
        "workspace_count": 2,
        "user_group_count": 2,
        "Last modified": "1 year ago"
    },
    {
        "uuid": "<role-uuid>",
        "Name": "Cost mgmt role",
        "Description": "description",
        "permissions_count": "Not available",
        "workspace_count": "Not available",
        "user_group_count": "Not available,
        "Last modified": "1 year ago"
    },
    {
```

```json
        "uuid": "<role-uuid>",
        "Name": "RHEL Inventory viewer",
        "Description": "description",
        "permissions_count": 1,
        "workspace_count": 1,
        "user_group_count": 1,
        "Last modified": "2 days ago"
    }
  ]
}
```

- Read access roles: view a list of permissions of a specific role
    - Description: user wants to view a list of the permissions under a specific role that they have
    - API:
        - Request: Request: api/rbac/v2/roles/<role-uuid>/permissions
        - Listed columns:
            - Application
            - Resource type
    - Response:

Operation

```json
JSON
{
"meta": {
    "count": 1
"message" : "Permission found for specific role.",
"permissions": [
  {
    "uuid": "<permission-uuid>",
    "Application": "inventory",
```

```
        "Resource type": "hosts",
        "Operation": "read"
    }
  ]
}
```

- Read access roles: view a list of permissions of a specific role where there are no permissions in the role
    - Description: user wants to view a list of the permissions under a specific role that have no permissions
    - API:
        - Request: Request: api/rbac/v2/roles/<role-uuid>/permissions
        - Listed columns:
            - N/A
    - Response:

```
JSON
{
"message" : "There are no permissions under this role.",
}
```

- Read access roles: view a list of assigned user groups of a specific role
    - Description: user wants to view a list of the assigned user groups under a specific role
    - API:
        - Request: Request: api/rbac/v2/roles/<role-uuid>/assigned-user-groups
        - Listed columns:

- User group
- Workspace assignment

○ Response:

```json
{
"meta": {
    "count": 2
"message" : "User groups found for role.",
"assigned-user-groups": [
  {
    "uuid": "<user-group-uuid>",
    "user-group-name": "Powerpuff girls",
    "Workspace assignment": "All of Medical Imaging IT",
  },
  {
    "uuid": "<user-group-uuid>",
    "user-group-name": "Bad bunny",
    "Workspace assignment": "Cardiac MRI",
  }
 ]
}
```

- Read access roles: filter for the name of the roles
    - Description: user wants to search/filter by name a list of the roles that they have under a specific user.
    - API:
        - Request: Request: api/rbac/v2/roles/?filter[name]="admin"
        - Listed columns:
            - Application
            - Resource type

○ Response:

```json
{
"meta": {
     "count": 2
}
"message" : "Roles found for user",
"roles": [
  {
      "uuid": "<role-uuid>",
      "Name": "Tenant admin",
      "Description": "description",
      "permissions_count": 5,
      "workspace_count": 1,
      "user_group_count": 1,
      "Last modified": "1 year ago"
  },
  {
      "uuid": "<role-uuid>",
      "Name": "Workspace admin",
      "Description": "description",
      "permissions_count": 4,
      "workspace_count": 1,
      "user_group_count": 1,
      "Last modified": "1 year ago"
  }
 ]
}
```

- Read access roles: list a view of the roles by filtering/searching for the number of permissions
    - Description: user wants to search/filter by number of permissions a list of the roles that they have under a specific user.

- ○ API:
    - ■ Request: Request: api/rbac/v2/roles/?filter[permissions]="5"
    - ■ Listed columns:
        - ● Application
        - ● Resource type
- ○ Response:

```json
{
"meta": {
    "count": 1
}
"message" : "Roles found for user",
"roles": [
  {
    "uuid": "<role-uuid>",
    "Name": "Tenant admin",
    "Description": "description",
    "permissions_count": 5,
    "workspace_count": 1,
    "user_group_count": 1,
    "Last modified": "1 year ago"
  }
 ]
}
```

- ● Read access roles: list a view of the roles by filtering/searching for the number of workspaces
    - ○ Description: user wants to search/filter by number of workspaces a list of the roles that they have under a specific user.
    - ○ API:

- Request: Request: api/rbac/v2/roles/?filter[workspaces]="1"
- Listed columns:
  - Application
  - Resource type
  - Response:

```json
{
"meta": {
    "count": 3
}
"message" : "Roles found for user",
"roles": [
  {
    "uuid": "<role-uuid>",
    "Name": "Tenant admin",
    "Description": "description",
    "permissions_count": 5,
    "workspace_count": 1,
    "user_group_count": 1,
    "Last modified": "1 year ago"
  },
  {
    "uuid": "<role-uuid>",
    "Name": "Workspace admin",
    "Description": "description",
    "permissions_count": 4,
    "workspace_count": 1,
    "user_group_count": 1,
    "Last modified": "1 year ago"
  },
  {
    "uuid": "<role-uuid>",
```

```json
      "Name": "RHEL Inventory viewer",
      "Description": "description",
      "permissions_count": 1,
      "workspace_count": 1,
      "user_group_count": 1,
      "Last modified": "2 days ago"
    }
  ]
}
```

- Read access roles: list a view of the roles by filtering/searching for the number of user groups
    - Description: user wants to search/filter by number of user groups a list of the roles that they have under a specific user.
    - API:
        - Request: Request: api/rbac/v2/roles/?filter[user_groups]="1"
        - Listed columns:
            - Application
            - Resource type
    - Response:

```json
JSON
{
"meta": {
      "count": 3
}
"message" : "Roles found for user",
"roles": [
  {
```

```
        "uuid": "<role-uuid>",
        "Name": "Tenant admin",
        "Description": "description",
        "permissions_count": 5,
        "workspace_count": 1,
        "user_group_count": 1,
        "Last modified": "1 year ago"
    },
    {
        "uuid": "<role-uuid>",
        "Name": "Workspace admin",
        "Description": "description",
        "permissions_count": 4,
        "workspace_count": 1,
        "user_group_count": 1,
        "Last modified": "1 year ago"
    },
    {
        "uuid": "<role-uuid>",
        "Name": "RHEL Inventory viewer",
        "Description": "description",
        "permissions_count": 1,
        "workspace_count": 1,
        "user_group_count": 1,
        "Last modified": "2 days ago"
    }
  ]
}
```

- Read access roles: list a view of the roles by filtering/searching for when the role was last modified
    - Description: user wants a list of the roles that they have under a specific user after searching/filtering for when a role was last modified.

- ○ API:
  - ■ Request: Request: api/rbac/v2/roles/?filter[last_modified]="1 year ago"
  - ■ Listed columns:
    - ● Application
    - ● Resource type
- ○ Response:

```json
JSON
{
"meta": {
    "count": 5
}
"message" : "Roles found for user",
"roles": [
  {
    "uuid": "<role-uuid>",
    "Name": "Tenant admin",
    "Description": "description",
    "permissions_count": 5,
    "workspace_count": 1,
    "user_group_count": 1,
    "Last modified": "1 year ago"
  },
  {
    "uuid": "<role-uuid>",
    "Name": "Workspace admin",
    "Description": "description",
    "permissions_count": 4,
    "workspace_count": 1,
    "user_group_count": 1,
    "Last modified": "1 year ago"
```

```json
        },
        {
            "uuid": "<role-uuid>",
            "Name": "RHEL DevOps",
            "Description": "description",
            "permissions_count": 3,
            "workspace_count": 2,
            "user_group_count": 2,
            "Last modified": "1 year ago"
        },
        {

            "uuid": "<role-uuid>",
            "Name": "Cost mgmt role",
            "Description": "description",
            "permissions_count": "Not available",
            "workspace_count": "Not available",
            "user_group_count": "Not available,
            "Last modified": "1 year ago"
        }
    ]
}
```