
Dome9 Documentation

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Sep 11, 2023

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1.1 get_cloud_account

dome9.dome9.Dome9.get_cloud_account(*self*, *cloudId*)

Get a Cloud Account

Parameters *cloudId* (*str*) – ID of the Cloud Account

Returns Cloud Account object.

Return type dict

Response object:

```
{
  "id": "00000000-0000-0000-0000-000000000000",
  "vendor": "aws",
  "name": "string",
  "externalAccountNumber": "string",
  "error": "string",
  "isFetchingSuspended": true,
  "creationDate": "2019-09-26T10:55:03Z",
  "credentials": {
    "apikey": "string",
    "arn": "string",
    "secret": "string",
    "iamUser": "string",
    "type": "UserBased",
    "isReadOnly": true
  },
  "iamSafe": {
    "awsGroupArn": "string",
    "awsPolicyArn": "string",
    "mode": "OptIn",
    "state": "Enabled",
```

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```
"excludedIamEntities": {
  "rolesArns": [
    "string"
  ],
  "usersArns": [
    "string"
  ]
},
"restrictedIamEntities": {
  "rolesArns": [
    "string"
  ],
  "usersArns": [
    "string"
  ]
}
},
"netSec": {
  "regions": [
    {
      "region": "us_east_1",
      "name": "string",
      "hidden": true,
      "newGroupBehavior": "ReadOnly"
    }
  ]
},
"magellan": true,
"fullProtection": true,
"allowReadOnly": true,
"organizationalUnitId": "00000000-0000-0000-0000-000000000000",
"organizationalUnitPath": "string",
"organizationalUnitName": "string",
"lambdaScanner": true
}
```

1.2 list_aws_accounts

dome9.dome9.Dome9.**list_aws_accounts** (*self*)

List AWS accounts

Returns List of AWS Cloud Accounts.

Return type list

Response object:

```
{
  "id": "00000000-0000-0000-0000-000000000000",
  "vendor": "aws",
  "name": "string",
  "externalAccountNumber": "string",
```

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```

    "error": "string",
    "isFetchingSuspended": true,
    "creationDate": "2019-09-26T10:55:03Z",
    "credentials": {
      "apikey": "string",
      "arn": "string",
      "secret": "string",
      "iamUser": "string",
      "type": "UserBased",
      "isReadOnly": true
    },
    "iamSafe": {
      "awsGroupArn": "string",
      "awsPolicyArn": "string",
      "mode": "OptIn",
      "state": "Enabled",
      "excludedIamEntities": {
        "rolesArns": [
          "string"
        ],
        "usersArns": [
          "string"
        ]
      },
      "restrictedIamEntities": {
        "rolesArns": [
          "string"
        ],
        "usersArns": [
          "string"
        ]
      }
    },
    "netSec": {
      "regions": [
        {
          "region": "us_east_1",
          "name": "string",
          "hidden": true,
          "newGroupBehavior": "ReadOnly"
        }
      ]
    },
    "magellan": true,
    "fullProtection": true,
    "allowReadOnly": true,
    "organizationalUnitId": "00000000-0000-0000-0000-000000000000",
    "organizationalUnitPath": "string",
    "organizationalUnitName": "string",
    "lambdaScanner": true
  }
}

```

1.3 list_azure_accounts

dome9.dome9.Dome9.**list_azure_accounts** (*self*)

List Azure accounts

Returns List of Azure Cloud Accounts.

Return type list

Response object:

```
{
  "id": "00000000-0000-0000-0000-000000000000",
  "name": "string",
  "subscriptionId": "string",
  "tenantId": "string",
  "credentials": {
    "clientId": "string",
    "clientPassword": "string"
  },
  "operationMode": "Read",
  "error": "string",
  "creationDate": "2019-09-26T10:55:03Z",
  "organizationalUnitId": "00000000-0000-0000-0000-000000000000",
  "organizationalUnitPath": "string",
  "organizationalUnitName": "string",
  "vendor": "aws"
}
```

1.4 list_google_accounts

dome9.dome9.Dome9.**list_google_accounts** (*self*)

List Google Cloud Accounts

Returns List of Google accounts.

Return type list

Response object:

```
{
  "id": "00000000-0000-0000-0000-000000000000",
  "name": "string",
  "projectId": "string",
  "creationDate": "2019-09-26T10:55:03Z",
  "organizationalUnitId": "00000000-0000-0000-0000-000000000000",
  "organizationalUnitPath": "string",
  "organizationalUnitName": "string",
  "gsuite": {
    "gsuiteUser": "string",
    "domainName": "string"
  },
  "vendor": "aws"
}
```


1.5 list_kubernetes_accounts

dome9.dome9.Dome9.**list_kubernetes_accounts** (*self*)

List Kubernetes accounts

Returns List of Kubernetes accounts.

Return type list

Response object:

```
{
  "id": "00000000-0000-0000-0000-000000000000",
  "name": "string",
  "creationDate": "2019-09-26T10:55:03Z",
  "vendor": "aws",
  "organizationalUnitId": "00000000-0000-0000-0000-000000000000",
  "organizationalUnitPath": "string",
  "organizationalUnitName": "string"
}
```

1.6 list_cloud_accounts

dome9.dome9.Dome9.**list_cloud_accounts** (*self*)

List all accounts (AWS, Azure, GCP & Kubernetes)

Returns List of Cloud Accounts.

Return type list

Response object:

```
{
  "id": "00000000-0000-0000-0000-000000000000",
  "vendor": "aws",
  "name": "string",
  "externalAccountNumber": "string",
  "error": "string",
  "isFetchingSuspended": true,
  "creationDate": "2019-09-26T10:55:03Z",
  "credentials": {
    "apikey": "string",
    "arn": "string",
    "secret": "string",
    "iamUser": "string",
    "type": "UserBased",
    "isReadOnly": true
  },
  "iamSafe": {
```

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```
"awsGroupArn": "string",
"awsPolicyArn": "string",
"mode": "OptIn",
"state": "Enabled",
"excludedIamEntities": {
  "rolesArns": [
    "string"
  ],
  "usersArns": [
    "string"
  ]
},
"restrictedIamEntities": {
  "rolesArns": [
    "string"
  ],
  "usersArns": [
    "string"
  ]
}
},
"netSec": {
  "regions": [
    {
      "region": "us_east_1",
      "name": "string",
      "hidden": true,
      "newGroupBehavior": "ReadOnly"
    }
  ]
},
"magellan": true,
"fullProtection": true,
"allowReadOnly": true,
"organizationalUnitId": "00000000-0000-0000-0000-000000000000",
"organizationalUnitPath": "string",
"organizationalUnitName": "string",
"lambdaScanner": true
}
```

2.1 list_protected_assets

dome9.dome9.Dome9.**list_protected_assets** (*self*, *textSearch=""*, *filters=[]*, *pageSize=1000*)
List all Cloud Assets

Parameters

- **textSearch** (*list*) – Filter query by using text string. (i.e.: prod-uk)
- **filters** (*list*) – List of filters. [{name: “platform”, value: “aws”},{name: “cloudAccountId”, value: “0123456789”}]
- **of filter names** (*List*) – organizationalUnitId, platform, type, cloudAccountId, region, network, resourceGroup.
- **pageSize** (*int*) – Items per query

Returns Pagination of protected assets.

Return type dict

Response object:

```
{
  "searchRequest": {
    "pageSize": 10,
    "sorting": {
      "fieldName": null,
      "direction": 0
    },
  },
  "filter": {
    "freeTextPhrase": null,
    "fields": [],
    "tags": [],
    "includedEntityTypes": null,
  },
}
```

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```

        "excludedEntityTypes": null
    },
    "searchAfter": [],
    "additionalFields": {
        "source": null,
        "filterFields": [],
        "sortField": {
            "fieldName": null,
            "direction": 1
        }
    }
},
"assets": [
    {
        "id": "1|fffffaaaa-ffff-ffff-aaaa-
↪123412341234|rg|5|internetGateway|igw-12341234-112345",
        "entityId": "igw-12341234",
        "externalCloudAccountId": "1234567890",
        "cloudAccountId": "fffffaaaa-ffff-ffff-aaaa-123412341234",
        "srl": "1|fffffaaaa-ffff-ffff-aaaa-
↪123412341234|rg|5|internetGateway|igw-12341234",
        "type": "InternetGateway",
        "name": "",
        "tags": [],
        "platform": "aws",
        "typeByPlatform": "aws|InternetGateway",
        "network": "vpc-12341234",
        "region": "us_west_2",
        "resourceGroup": "",
        "additionalFields": [
            {
                "name": "IsBillable",
                "value": "False"
            }
        ],
        "externalAdditionalFields": null
    }
],
"totalCount": 102868,
"aggregations": {
    "resourceGroup": [
        {
            "value": "myrg",
            "count": 96217
        }
    ],
    "cloudAccountId": [
        {
            "value": "12341234-1234-1234-1234-123412341234",
            "count": 7926
        }
    ],
    "type": [
        {
            "value": "azure|User",
            "count": 18
        }
    ],

```

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```

    {
      "value": "azure|Bastion",
      "count": 16
    },
    {
      "value": "azure|VirtualNetworkGateway",
      "count": 16
    },
    {
      "value": "google|InstanceTemplate",
      "count": 16
    }
  ],
  "region": [
    {
      "value": "",
      "count": 54560
    },
    {
      "value": "us_east_1",
      "count": 8070
    },
    {
      "value": "eu_west_1",
      "count": 3985
    }
  ],
  "platform": [
    {
      "value": "aws",
      "count": 45584
    },
    {
      "value": "google",
      "count": 24263
    },
    {
      "value": "azure",
      "count": 20928
    },
    {
      "value": "kubernetes",
      "count": 12093
    }
  ],
  "network": [
    {
      "value": "",
      "count": 96480
    },
    {
      "value": "injectors-network",
      "count": 291
    },
    {
      "value": "vpc-12341234",
      "count": 183
    }
  ]
}

```

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```
        }
      ]
    },
    "searchAfter": [
      "fffffaaaa-ffff-ffff-aaaa-123412341234",
      "",
      "us_west_1",
      "vpc-12341234",
      "InternetGateway",
      "1|fffffaaaa-ffff-ffff-aaaa-123412341234|rg|1|internetGateway|igw-
↪12341234-123123"
    ]
  }
}
```

3.1 get_ruleset

dome9.dome9.Dome9.**get_ruleset** (*self*, *rulesetId=None*, *name=None*)

Get a specific Compliance ruleset

Parameters

- **rulesetId** (*str*) – Locate ruleset by id
- **name** (*str*) – Locate ruleset by name

Returns Compliance ruleset.

Return type dict

Response object:

```
{
  "rules": [
    {
      "name": "string",
      "severity": "Low",
      "logic": "string",
      "description": "string",
      "remediation": "string",
      "complianceTag": "string",
      "domain": "string",
      "priority": "string",
      "controlTitle": "string",
      "ruleId": "string",
      "logicHash": "string",
      "isDefault": true
    }
  ],
  "accountId": 0,
```

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```
"createdTime": "2019-09-26T10:55:03Z",
"updatedAt": "2019-09-26T10:55:03Z",
"id": 0,
"name": "string",
"description": "string",
"isTemplate": true,
"hideInCompliance": true,
"minFeatureTier": "Trial",
"section": 0,
"tooltipText": "string",
"showBundle": true,
"systemBundle": true,
"cloudVendor": "aws",
"version": 0,
"language": "string",
"rulesCount": 0
}
```

3.2 list_rulesets

dome9.dome9.Dome9.**list_rulesets** (*self*)

List Compliance Rulesets

Returns List of Compliance rulesets.

Return type list

Response object:

```
{
  "rules": [
    {
      "name": "string",
      "severity": "Low",
      "logic": "string",
      "description": "string",
      "remediation": "string",
      "complianceTag": "string",
      "domain": "string",
      "priority": "string",
      "controlTitle": "string",
      "ruleId": "string",
      "logicHash": "string",
      "isDefault": true
    }
  ],
  "accountId": 0,
  "createdTime": "2019-09-26T10:55:03Z",
  "updatedAt": "2019-09-26T10:55:03Z",
  "id": 0,
  "name": "string",
  "description": "string",

```

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```

    "isTemplate": true,
    "hideInCompliance": true,
    "minFeatureTier": "Trial",
    "section": 0,
    "tooltipText": "string",
    "showBundle": true,
    "systemBundle": true,
    "cloudVendor": "aws",
    "version": 0,
    "language": "string",
    "rulesCount": 0
  }

```

3.3 create_ruleset

dome9.dome9.Dome9.**create_ruleset** (*self, ruleset*)

Create a Compliance ruleset

Parameters **ruleset** (*dict*) – Ruleset object.

Returns Compliance ruleset.

Return type dict

Response object:

```

{
  "rules": [
    {
      "name": "string",
      "severity": "Low",
      "logic": "string",
      "description": "string",
      "remediation": "string",
      "complianceTag": "string",
      "domain": "string",
      "priority": "string",
      "controlTitle": "string",
      "ruleId": "string",
      "logicHash": "string",
      "isDefault": true
    }
  ],
  "accountId": 0,
  "createdTime": "2019-09-26T10:55:03Z",
  "updatedTime": "2019-09-26T10:55:03Z",
  "id": 0,
  "name": "string",
  "description": "string",
  "isTemplate": true,
  "hideInCompliance": true,
  "minFeatureTier": "Trial",
  "section": 0,

```

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```
"tooltipText": "string",
"showBundle": true,
"systemBundle": true,
"cloudVendor": "aws",
"version": 0,
"language": "string",
"rulesCount": 0
}
```

3.4 update_ruleset

dome9.dome9.Dome9.**update_ruleset** (*self, ruleset*)

Update a Compliance ruleset

Parameters **ruleset** (*dict*) – Ruleset object.

Returns Compliance ruleset.

Return type dict

Response object:

```
{
  "rules": [
    {
      "name": "string",
      "severity": "Low",
      "logic": "string",
      "description": "string",
      "remediation": "string",
      "complianceTag": "string",
      "domain": "string",
      "priority": "string",
      "controlTitle": "string",
      "ruleId": "string",
      "logicHash": "string",
      "isDefault": true
    }
  ],
  "accountId": 0,
  "createdTime": "2019-09-26T10:55:03Z",
  "updatedAt": "2019-09-26T10:55:03Z",
  "id": 0,
  "name": "string",
  "description": "string",
  "isTemplate": true,
  "hideInCompliance": true,
  "minFeatureTier": "Trial",
  "section": 0,
  "tooltipText": "string",
  "showBundle": true,
  "systemBundle": true,
  "cloudVendor": "aws",
}
```

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```
"version": 0,  
"language": "string",  
"rulesCount": 0  
}
```

3.5 delete_ruleset

dome9.dome9.Dome9.**delete_ruleset** (*self*, *rulesetId*)

Delete a Compliance ruleset

Parameters **rulesetId** (*str*) – ID of the ruleset

Returns Deletion status

Return type bool

4.1 list_remediations

dome9.dome9.Dome9.**list_remediations** (*self*)

List Remediations

Returns List of Remediation object.

Return type list

Response object:

```
{
  "id": "00000000-0000-0000-0000-000000000000",
  "ruleLogicHash": "string",
  "ruleName": "string",
  "ruleId": "string",
  "logic": "string",
  "rulesetId": 0,
  "cloudAccountId": "00000000-0000-0000-0000-000000000000",
  "platform": "Aws",
  "comment": "string",
  "cloudBots": [
    "string"
  ]
}
```

4.2 create_remediation

dome9.dome9.Dome9.**create_remediation** (*self, remediation*)

Create a Remediation

Parameters **remediation** (*dict*) – Remediation object.

Returns Remediation object.

Return type dict

Response object:

```
{
  "id": "00000000-0000-0000-0000-000000000000",
  "ruleLogicHash": "string",
  "ruleName": "string",
  "ruleId": "string",
  "logic": "string",
  "rulesetId": 0,
  "cloudAccountId": "00000000-0000-0000-0000-000000000000",
  "platform": "Aws",
  "comment": "string",
  "cloudBots": [
    "string"
  ]
}
```

4.3 update_remediation

dome9.dome9.Dome9.**update_remediation** (*self, remediation*)

Update a Remediation

Parameters **remediation** (*dict*) – Remediation object.

Returns Remediation object.

Return type dict

Response object:

```
{
  "id": "00000000-0000-0000-0000-000000000000",
  "ruleLogicHash": "string",
  "ruleName": "string",
  "ruleId": "string",
  "logic": "string",
  "rulesetId": 0,
  "cloudAccountId": "00000000-0000-0000-0000-000000000000",
  "platform": "Aws",
  "comment": "string",
  "cloudBots": [
    "string"
  ]
}
```

4.4 delete_remediation

dome9.dome9.Dome9.**delete_remediation** (*self*, *remediationId*)

Delete a Remediation

Parameters `remediationId` (*str*) – ID of the remediation

Returns Deletion status

Return type bool

5.1 list_exclusions

dome9.dome9.Dome9.**list_exclusions** (*self*)

List all exclusions

Returns List of Exclusion object.

Return type list

Response object:

```
{
  "id": "00000000-0000-0000-0000-000000000000",
  "ruleLogicHash": "string",
  "ruleName": "string",
  "ruleId": "string",
  "logic": "string",
  "bundleId": 0,
  "cloudAccountId": "00000000-0000-0000-0000-000000000000",
  "cloudAccountType": "Aws",
  "comment": "string"
}
```

5.2 delete_exclusion

dome9.dome9.Dome9.**delete_exclusion** (*self, exclusionId*)

Delete an exclusion

Parameters **exclusionId** (*str*) – Id of the exclusion

Returns Deletion status

Return type bool

6.1 run_assessment

`dome9.dome9.Dome9.run_assessment` (*self*, *rulesetId*, *cloudAccountId*, *cloudAccountType*, *region=None*)

Run compliance assessments on Cloud Accounts, and get the results

Parameters

- **rulesetId** (*str*) – Id of the Compliance Policy Ruleset to run
- **cloudAccountId** (*str*) – Id of the Cloud Account
- **cloudAccountType** (*str*) – Type of the Cloud Account (Google, Aws, Azure, Kubernetes, ...)
- **region** (*str*, *optional*) – Set a specific region. Defaults to None.

Returns Assessment result. Ref: /docs/source/schemas/AssessmentResults.json

Return type dict

Response object:

```
{
  "request": {
    "dome9CloudAccountId": "00000000-0000-0000-0000-000000000000",
    "externalCloudAccountId": "string",
    "cloudAccountId": "string",
    "region": "string",
    "cloudNetwork": "string",
    "cloudAccountType": "Aws",
    "requestId": "00000000-0000-0000-0000-000000000000"
  },
  "tests": [
    {
```

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```

        "error": "string",
        "testedCount": 0,
        "relevantCount": 0,
        "nonComplyingCount": 0,
        "exclusionStats": {
            "testedCount": 0,
            "relevantCount": 0,
            "nonComplyingCount": 0
        },
        "entityResults": [
            {
                "validationStatus": "Relevant",
                "isRelevant": true,
                "isValid": true,
                "isExcluded": true,
                "exclusionId": "00000000-0000-0000-0000-000000000000",
                "remediationId": "00000000-0000-0000-0000-000000000000",
                "error": "string",
                "testObj": {}
            }
        ],
        "rule": {
            "name": "string",
            "severity": "Low",
            "logic": "string",
            "description": "string",
            "remediation": "string",
            "complianceTag": "string",
            "domain": "string",
            "priority": "string",
            "controlTitle": "string",
            "ruleId": "string",
            "logicHash": "string",
            "isDefault": true
        },
        "testPassed": true
    },
    "locationMetadata": {
        "account": {
            "srl": "string",
            "name": "string",
            "id": "string",
            "externalId": "string"
        },
        "region": {
            "srl": "string",
            "name": "string",
            "id": "string",
            "externalId": "string"
        },
        "cloudNetwork": {
            "srl": "string",
            "name": "string",
            "id": "string",
            "externalId": "string"
        }
    }
}

```

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```

},
"testEntities": {
  "notSupported": [{}],
  "instance": [{}],
  "securityGroup": [{}],
  "elb": [{}],
  "rds": [{}],
  "lambda": [{}],
  "region": [{}],
  "virtualMachine": [{}],
  "networkSecurityGroup": [{}],
  "cloudTrail": [{}],
  "nacl": [{}],
  "vpc": [{}],
  "subnet": [{}],
  "s3Bucket": [{}],
  "applicationLoadBalancer": [{}],
  "iamUser": [{}],
  "iamRole": [{}],
  "iam": [{}],
  "redshift": [{}],
  "kms": [{}],
  "default": [{}],
  "vmInstance": [{}],
  "iamGroup": [{}],
  "efs": [{}],
  "network": [{}],
  "elasticCache": [{}],
  "loadBalancer": [{}],
  "vNet": [{}],
  "sqlDb": [{}],
  "redisCache": [{}],
  "applicationGateway": [{}],
  "resourceGroup": [{}],
  "sqlServer": [{}],
  "ecsCluster": [{}],
  "keyVault": [{}],
  "networkLoadBalancer": [{}],
  "networkInterface": [{}],
  "ecsTaskDefinition": [{}],
  "iamPolicy": [{}],
  "volume": [{}],
  "cloudFront": [{}],
  "kinesis": [{}],
  "iamServerCertificate": [{}],
  "route53HostedZone": [{}],
  "route53RecordSetGroup": [{}],
  "acmCertificate": [{}],
  "route53Domain": [{}],
  "storageAccount": [{}],
  "dynamoDbTable": [{}],
  "ami": [{}],
  "vpnGateway": [{}],
  "virtualMfaDevices": [{}],
  "internetGateway": [{}],
  "wafRegional": [{}],
  "lock": [{}],

```

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```

    "vpnConnection": [{}],
    "ecsTask": [{}],
    "customerGateway": [{}],
    "gcpSecurityGroup": [{}],
    "elasticIP": [{}],
    "iamInstanceProfile": [{}],
    "storageBucket": [{}],
    "ecsService": [{}],
    "project": [{}],
    "serviceAccount": [{}],
    "kmsKeyRing": [{}],
    "dataWarehouse": [{}],
    "guardDutyDetector": [{}],
    "gcpIamPolicy": [{}],
    "gcpIamUser": [{}],
    "apiGateway": [{}],
    "gcpGsuiteUser": [{}],
    "gcpGsuiteGroup": [{}],
    "gcpIamGroup": [{}],
    "bigQuery": [{}],
    "routeTable": [{}],
    "gkeCluster": [{}],
    "postgresql": [{}],
    "vpcFlowLog": [{}],
    "iamAccountSummary": [{}],
    "sageMakerNotebook": [{}],
    "containerRegistry": [{}],
    "inspector": [{}],
    "kmsAliases": [{}],
    "passwordPolicy": [{}],
    "configurationRecorder": [{}],
    "cosmosDbAccount": [{}],
    "networkWatcher": [{}],
    "vpcPeeringConnection": [{}],
    "metricAlarm": [{}],
    "snsSubscription": [{}],
    "logGroup": [{}],
    "metricFilter": [{}],
    "cloudWatchEventsRule": [{}],
    "awsIamAccessKey": [{}],
    "kubernetesNode": [{}],
    "kubernetesPod": [{}],
    "kubernetesService": [{}],
    "logProfile": [{}],
    "policyAssignment": [{}],
    "kubernetesNetworkPolicy": [{}],
    "kubernetesIngress": [{}],
    "kubernetesPodSecurityPolicy": [{}],
    "cloudSql": [{}],
    "kubernetesKubelet": [
      {}
    ]
  },
  "dataSyncStatus": [
    {
      "entityType": "NotSupported",
      "recentlySuccessfulSync": true,

```

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```

        "generalFetchPermissionIssues": true,
        "entitiesWithPermissionIssues": [
            {
                "externalId": "string",
                "name": "string",
                "cloudVendorIdentifier": "string"
            }
        ]
    },
    "assessmentPassed": true,
    "hasErrors": true,
    "id": 0
}

```

6.2 get_assessment

dome9.dome9.Dome9.**get_assessment** (*self, assessmentId*)

Get results of an assesment by id

Parameters **assessmentId** (*str*) – Report/Assessment id

Returns Assesment result. Ref: /docs/source/schemas/AssessmentResults.json

Return type dict

Response object:

```

{
    "request": {
        "dome9CloudAccountId": "00000000-0000-0000-0000-000000000000",
        "externalCloudAccountId": "string",
        "cloudAccountId": "string",
        "region": "string",
        "cloudNetwork": "string",
        "cloudAccountType": "Aws",
        "requestId": "00000000-0000-0000-0000-000000000000"
    },
    "tests": [
        {
            "error": "string",
            "testedCount": 0,
            "relevantCount": 0,
            "nonComplyingCount": 0,
            "exclusionStats": {
                "testedCount": 0,
                "relevantCount": 0,
                "nonComplyingCount": 0
            },
            "entityResults": [
                {
                    "validationStatus": "Relevant",
                    "isRelevant": true,

```

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```

        "isValid": true,
        "isExcluded": true,
        "exclusionId": "00000000-0000-0000-0000-000000000000",
        "remediationId": "00000000-0000-0000-0000-000000000000",
        "error": "string",
        "testObj": {}
    }
},
"rule": {
    "name": "string",
    "severity": "Low",
    "logic": "string",
    "description": "string",
    "remediation": "string",
    "complianceTag": "string",
    "domain": "string",
    "priority": "string",
    "controlTitle": "string",
    "ruleId": "string",
    "logicHash": "string",
    "isDefault": true
},
"testPassed": true
}
],
"locationMetadata": {
    "account": {
        "srl": "string",
        "name": "string",
        "id": "string",
        "externalId": "string"
    },
    "region": {
        "srl": "string",
        "name": "string",
        "id": "string",
        "externalId": "string"
    },
    "cloudNetwork": {
        "srl": "string",
        "name": "string",
        "id": "string",
        "externalId": "string"
    }
},
"testEntities": {
    "notSupported": [{}],
    "instance": [{}],
    "securityGroup": [{}],
    "elb": [{}],
    "rds": [{}],
    "lambda": [{}],
    "region": [{}],
    "virtualMachine": [{}],
    "networkSecurityGroup": [{}],
    "cloudTrail": [{}],
    "nacl": [{}],

```

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```

"vpc": [{}],
"subnet": [{}],
"s3Bucket": [{}],
"applicationLoadBalancer": [{}],
"iamUser": [{}],
"iamRole": [{}],
"iam": [{}],
"redshift": [{}],
"kms": [{}],
"default": [{}],
"vmInstance": [{}],
"iamGroup": [{}],
"efs": [{}],
"network": [{}],
"elasticCache": [{}],
"loadBalancer": [{}],
"vNet": [{}],
"sqlDb": [{}],
"redisCache": [{}],
"applicationGateway": [{}],
"resourceGroup": [{}],
"sqlServer": [{}],
"ecsCluster": [{}],
"keyVault": [{}],
"networkLoadBalancer": [{}],
"networkInterface": [{}],
"ecsTaskDefinition": [{}],
"iamPolicy": [{}],
"volume": [{}],
"cloudFront": [{}],
"kinesis": [{}],
"iamServerCertificate": [{}],
"route53HostedZone": [{}],
"route53RecordSetGroup": [{}],
"acmCertificate": [{}],
"route53Domain": [{}],
"storageAccount": [{}],
"dynamoDbTable": [{}],
"ami": [{}],
"vpnGateway": [{}],
"virtualMfaDevices": [{}],
"internetGateway": [{}],
"wafRegional": [{}],
"lock": [{}],
"vpnConnection": [{}],
"ecsTask": [{}],
"customerGateway": [{}],
"gcpSecurityGroup": [{}],
"elasticIP": [{}],
"iamInstanceProfile": [{}],
"storageBucket": [{}],
"ecsService": [{}],
"project": [{}],
"serviceAccount": [{}],
"kmsKeyRing": [{}],
"dataWarehouse": [{}],
"guardDutyDetector": [{}],

```

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```

    "gcpIamPolicy": [{}],
    "gcpIamUser": [{}],
    "apiGateway": [{}],
    "gcpGsuiteUser": [{}],
    "gcpGsuiteGroup": [{}],
    "gcpIamGroup": [{}],
    "bigQuery": [{}],
    "routeTable": [{}],
    "gkeCluster": [{}],
    "postgresSQL": [{}],
    "vpcFlowLog": [{}],
    "iamAccountSummary": [{}],
    "sageMakerNotebook": [{}],
    "containerRegistry": [{}],
    "inspector": [{}],
    "kmsAliases": [{}],
    "passwordPolicy": [{}],
    "configurationRecorder": [{}],
    "cosmosDbAccount": [{}],
    "networkWatcher": [{}],
    "vpcPeeringConnection": [{}],
    "metricAlarm": [{}],
    "snsSubscription": [{}],
    "logGroup": [{}],
    "metricFilter": [{}],
    "cloudWatchEventsRule": [{}],
    "awsIamAccessKey": [{}],
    "kubernetesNode": [{}],
    "kubernetesPod": [{}],
    "kubernetesService": [{}],
    "logProfile": [{}],
    "policyAssignment": [{}],
    "kubernetesNetworkPolicy": [{}],
    "kubernetesIngress": [{}],
    "kubernetesPodSecurityPolicy": [{}],
    "cloudSql": [{}],
    "kubernetesKubelet": [
      {}
    ]
  },
  "dataSyncStatus": [
    {
      "entityType": "NotSupported",
      "recentlySuccessfulSync": true,
      "generalFetchPermissionIssues": true,
      "entitiesWithPermissionIssues": [
        {
          "externalId": "string",
          "name": "string",
          "cloudVendorIdentifier": "string"
        }
      ]
    }
  ],
  "assessmentPassed": true,
  "hasErrors": true,
  "id": 0

```

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```
}
```


7.1 create_user

dome9.dome9.Dome9.**create_user** (*self*, *email*, *name*, *surname*=")
Create user in Dome9

Parameters

- **email** (*str*) – User email of the new user
- **name** (*str*) – Name of the new user
- **surname** (*str*, *optional*) – Surname of the new user. Defaults to ""

Returns User object. Ref: /docs/source/schemas/User.json

Return type dict

Response object:

```
{
  "id": 0,
  "name": "string",
  "email": "MyName@gmail.com",
  "accountId": 0,
  "isSuspended": true,
  "isOwner": true,
  "isSuperUser": true,
  "isAuditor": true,
  "hasApiKey": true,
  "hasApiKeyV1": true,
  "hasApiKeyV2": true,
  "isMfaEnabled": true,
  "ssoEnabled": true,
  "roleIds": [
    0
```

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```
    ],
    "iamSafe": null,
    "canSwitchRole": true,
    "isLocked": true,
    "lastLogin": "2022-05-24T17:41:03Z",
    "permissions": null,
    "calculatedPermissions": null,
    "isMobileDevicePaired": true,
    "mfaEnforcement": null
  }
```

7.2 list_users

dome9.dome9.Dome9.**list_users** (*self*)

List all Dome9 users for the Dome9 account

Returns User object. Ref: /docs/source/schemas/User.json

Return type dict

Response object:

```
{
  "id": 0,
  "name": "string",
  "email": "MyName@gmail.com",
  "accountId": 0,
  "isSuspended": true,
  "isOwner": true,
  "isSuperUser": true,
  "isAuditor": true,
  "hasApiKey": true,
  "hasApiKeyV1": true,
  "hasApiKeyV2": true,
  "isMfaEnabled": true,
  "ssoEnabled": true,
  "roleIds": [
    0
  ],
  "iamSafe": null,
  "canSwitchRole": true,
  "isLocked": true,
  "lastLogin": "2022-05-24T17:41:03Z",
  "permissions": null,
  "calculatedPermissions": null,
  "isMobileDevicePaired": true,
  "mfaEnforcement": null
}
```

7.3 get_user

dome9.dome9.Dome9.**get_user**(*self*, *userId*)

Get user registered in Dome9

Parameters **userId** (*id*) – Id of the user

Returns User object. Ref: /docs/source/schemas/User.json

Return type dict

Response object:

```
{
  "id": 0,
  "name": "string",
  "email": "MyName@gmail.com",
  "accountId": 0,
  "isSuspended": true,
  "isOwner": true,
  "isSuperUser": true,
  "isAuditor": true,
  "hasApiKey": true,
  "hasApiKeyV1": true,
  "hasApiKeyV2": true,
  "isMfaEnabled": true,
  "ssoEnabled": true,
  "roleIds": [
    0
  ],
  "iamSafe": null,
  "canSwitchRole": true,
  "isLocked": true,
  "lastLogin": "2022-05-24T17:41:03Z",
  "permissions": null,
  "calculatedPermissions": null,
  "isMobileDevicePaired": true,
  "mfaEnforcement": null
}
```

7.4 delete_user

dome9.dome9.Dome9.**delete_user**(*self*, *userId*)

Delete a user in Dome9

Parameters **userId** (*str*) – Id of the user

Returns bool

8.1 Submodules

8.2 dome9.dome9 module

class dome9.dome9.Dome9 (*key=None, secret=None, endpoint='https://api.dome9.com', apiVersion='v2'*)

Bases: object

get_cloud_account (*cloudId*)

Get a Cloud Account

Parameters *cloudId* (*str*) – ID of the Cloud Account

Returns Cloud Account object.

Return type dict

Response object:

```
{
  "id": "00000000-0000-0000-0000-000000000000",
  "vendor": "aws",
  "name": "string",
  "externalAccountNumber": "string",
  "error": "string",
  "isFetchingSuspended": true,
  "creationDate": "2019-09-26T10:55:03Z",
  "credentials": {
    "apikey": "string",
    "arn": "string",
    "secret": "string",
    "iamUser": "string",
    "type": "UserBased",
```

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```

    "isReadOnly": true
  },
  "iamSafe": {
    "awsGroupArn": "string",
    "awsPolicyArn": "string",
    "mode": "OptIn",
    "state": "Enabled",
    "excludedIamEntities": {
      "rolesArns": [
        "string"
      ],
      "usersArns": [
        "string"
      ]
    },
    "restrictedIamEntities": {
      "rolesArns": [
        "string"
      ],
      "usersArns": [
        "string"
      ]
    }
  },
  "netSec": {
    "regions": [
      {
        "region": "us_east_1",
        "name": "string",
        "hidden": true,
        "newGroupBehavior": "ReadOnly"
      }
    ]
  },
  "magellan": true,
  "fullProtection": true,
  "allowReadOnly": true,
  "organizationalUnitId": "00000000-0000-0000-0000-000000000000",
  "organizationalUnitPath": "string",
  "organizationalUnitName": "string",
  "lambdaScanner": true
}

```

list_aws_accounts()

List AWS accounts

Returns List of AWS Cloud Accounts.**Return type** list**Response object:**

```

{
  "id": "00000000-0000-0000-0000-000000000000",
  "vendor": "aws",
  "name": "string",

```

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```

"externalAccountNumber": "string",
"error": "string",
"isFetchingSuspended": true,
"creationDate": "2019-09-26T10:55:03Z",
"credentials": {
  "apikey": "string",
  "arn": "string",
  "secret": "string",
  "iamUser": "string",
  "type": "UserBased",
  "isReadOnly": true
},
"iamSafe": {
  "awsGroupArn": "string",
  "awsPolicyArn": "string",
  "mode": "OptIn",
  "state": "Enabled",
  "excludedIamEntities": {
    "rolesArns": [
      "string"
    ],
    "usersArns": [
      "string"
    ]
  },
  "restrictedIamEntities": {
    "rolesArns": [
      "string"
    ],
    "usersArns": [
      "string"
    ]
  }
},
"netSec": {
  "regions": [
    {
      "region": "us_east_1",
      "name": "string",
      "hidden": true,
      "newGroupBehavior": "ReadOnly"
    }
  ]
},
"magellan": true,
"fullProtection": true,
"allowReadOnly": true,
"organizationalUnitId": "00000000-0000-0000-0000-000000000000",
"organizationalUnitPath": "string",
"organizationalUnitName": "string",
"lambdaScanner": true
}

```

list_azure_accounts()

List Azure accounts

Returns List of Azure Cloud Accounts.

Return type list

Response object:

```
{
  "id": "00000000-0000-0000-0000-000000000000",
  "name": "string",
  "subscriptionId": "string",
  "tenantId": "string",
  "credentials": {
    "clientId": "string",
    "clientPassword": "string"
  },
  "operationMode": "Read",
  "error": "string",
  "creationDate": "2019-09-26T10:55:03Z",
  "organizationalUnitId": "00000000-0000-0000-0000-000000000000",
  "organizationalUnitPath": "string",
  "organizationalUnitName": "string",
  "vendor": "aws"
}
```

list_google_accounts()

List Google Cloud Accounts

Returns List of Google accounts.

Return type list

Response object:

```
{
  "id": "00000000-0000-0000-0000-000000000000",
  "name": "string",
  "projectId": "string",
  "creationDate": "2019-09-26T10:55:03Z",
  "organizationalUnitId": "00000000-0000-0000-0000-000000000000",
  "organizationalUnitPath": "string",
  "organizationalUnitName": "string",
  "gsuite": {
    "gsuiteUser": "string",
    "domainName": "string"
  },
  "vendor": "aws"
}
```

list_kubernetes_accounts()

List Kubernetes accounts

Returns List of Kubernetes accounts.

Return type list

Response object:

```
{
  "id": "00000000-0000-0000-0000-000000000000",
```

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```

    "name": "string",
    "creationDate": "2019-09-26T10:55:03Z",
    "vendor": "aws",
    "organizationalUnitId": "00000000-0000-0000-0000-000000000000",
    "organizationalUnitPath": "string",
    "organizationalUnitName": "string"
  }

```

list_cloud_accounts()

List all accounts (AWS, Azure, GCP & Kubernetes)

Returns List of Cloud Accounts.**Return type** list**Response object:**

```

{
  "id": "00000000-0000-0000-0000-000000000000",
  "vendor": "aws",
  "name": "string",
  "externalAccountNumber": "string",
  "error": "string",
  "isFetchingSuspended": true,
  "creationDate": "2019-09-26T10:55:03Z",
  "credentials": {
    "apikey": "string",
    "arn": "string",
    "secret": "string",
    "iamUser": "string",
    "type": "UserBased",
    "isReadOnly": true
  },
  "iamSafe": {
    "awsGroupArn": "string",
    "awsPolicyArn": "string",
    "mode": "OptIn",
    "state": "Enabled",
    "excludedIamEntities": {
      "rolesArns": [
        "string"
      ],
      "usersArns": [
        "string"
      ]
    },
    "restrictedIamEntities": {
      "rolesArns": [
        "string"
      ],
      "usersArns": [
        "string"
      ]
    }
  },
  "netSec": {

```

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```

    "regions": [
      {
        "region": "us_east_1",
        "name": "string",
        "hidden": true,
        "newGroupBehavior": "ReadOnly"
      }
    ],
    "magellan": true,
    "fullProtection": true,
    "allowReadOnly": true,
    "organizationalUnitId": "00000000-0000-0000-0000-000000000000",
    "organizationalUnitPath": "string",
    "organizationalUnitName": "string",
    "lambdaScanner": true
  }

```

connect_aws_account (*name, secret, roleArn*)

Connect AWS account to Dome9

Parameters

- **name** (*str*) – Name of the new account
- **secret** (*str*) – Secret of the AWS role
- **roleArn** (*str*) – Role ARN. Identifier of the AWS role

Returns bool**connect_azure_account** (*name, tenantId, subscriptionId, applicationId, secretKey*)**list_protected_assets** (*textSearch="", filters=[], pageSize=1000*)

List all Cloud Assets

Parameters

- **textSearch** (*list*) – Filter query by using text string. (i.e.: prod-uk)
- **filters** (*list*) – List of filters. `[{name: "platform", value: "aws"}, {name: "cloudAccountId", value: "0123456789"}]`
- **of filter names** (*List*) – organizationalUnitId, platform, type, cloudAccountId, region, network, resourceGroup.
- **pageSize** (*int*) – Items per query

Returns Pagination of protected assets.**Return type** dict**Response object:**

```

{
  "searchRequest": {
    "pageSize": 10,
    "sorting": {
      "fieldName": null,
      "direction": 0
    }
  },

```

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```

    "filter": {
      "freeTextPhrase": null,
      "fields": [],
      "tags": [],
      "includedEntityTypes": null,
      "excludedEntityTypes": null
    },
    "searchAfter": [],
    "additionalFields": {
      "source": null,
      "filterFields": [],
      "sortField": {
        "fieldName": null,
        "direction": 1
      }
    }
  },
  "assets": [
    {
      "id": "1|fffffaaaa-ffff-ffff-aaaa-
↪123412341234|rg|5|internetGateway|igw-12341234-112345",
      "entityId": "igw-12341234",
      "externalCloudAccountId": "1234567890",
      "cloudAccountId": "fffffaaaa-ffff-ffff-aaaa-123412341234",
      "srl": "1|fffffaaaa-ffff-ffff-aaaa-
↪123412341234|rg|5|internetGateway|igw-12341234",
      "type": "InternetGateway",
      "name": "",
      "tags": [],
      "platform": "aws",
      "typeByPlatform": "aws|InternetGateway",
      "network": "vpc-12341234",
      "region": "us_west_2",
      "resourceGroup": "",
      "additionalFields": [
        {
          "name": "IsBillable",
          "value": "False"
        }
      ],
      "externalAdditionalFields": null
    }
  ],
  "totalCount": 102868,
  "aggregations": {
    "resourceGroup": [
      {
        "value": "myrg",
        "count": 96217
      }
    ],
    "cloudAccountId": [
      {
        "value": "12341234-1234-1234-1234-123412341234",
        "count": 7926
      }
    ]
  },

```

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```
"type": [
  {
    "value": "azure|User",
    "count": 18
  },
  {
    "value": "azure|Bastion",
    "count": 16
  },
  {
    "value": "azure|VirtualNetworkGateway",
    "count": 16
  },
  {
    "value": "google|InstanceTemplate",
    "count": 16
  }
],
"region": [
  {
    "value": "",
    "count": 54560
  },
  {
    "value": "us_east_1",
    "count": 8070
  },
  {
    "value": "eu_west_1",
    "count": 3985
  }
],
"platform": [
  {
    "value": "aws",
    "count": 45584
  },
  {
    "value": "google",
    "count": 24263
  },
  {
    "value": "azure",
    "count": 20928
  },
  {
    "value": "kubernetes",
    "count": 12093
  }
],
"network": [
  {
    "value": "",
    "count": 96480
  },
  {
    "value": "injectors-network",
```

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```

        "count": 291
      },
      {
        "value": "vpc-12341234",
        "count": 183
      }
    ]
  },
  "searchAfter": [
    "fffffaaaa-ffff-ffff-aaaa-123412341234",
    "",
    "us_west_1",
    "vpc-12341234",
    "InternetGateway",
    "1|fffffaaaa-ffff-ffff-aaaa-123412341234|rg|1|internetGateway|igw-
↪12341234-123123"
  ]
}

```

list_rulesets()

List Compliance Rulesets

Returns List of Compliance rulesets.**Return type** list**Response object:**

```

{
  "rules": [
    {
      "name": "string",
      "severity": "Low",
      "logic": "string",
      "description": "string",
      "remediation": "string",
      "complianceTag": "string",
      "domain": "string",
      "priority": "string",
      "controlTitle": "string",
      "ruleId": "string",
      "logicHash": "string",
      "isDefault": true
    }
  ],
  "accountId": 0,
  "createdTime": "2019-09-26T10:55:03Z",
  "updatedTime": "2019-09-26T10:55:03Z",
  "id": 0,
  "name": "string",
  "description": "string",
  "isTemplate": true,
  "hideInCompliance": true,
  "minFeatureTier": "Trial",
  "section": 0,
  "tooltipText": "string",

```

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```
"showBundle": true,
"systemBundle": true,
"cloudVendor": "aws",
"version": 0,
"language": "string",
"rulesCount": 0
}
```

get_ruleset (*rulesetId=None, name=None*)

Get a specific Compliance ruleset

Parameters

- **rulesetId** (*str*) – Locate ruleset by id
- **name** (*str*) – Locate ruleset by name

Returns Compliance ruleset.**Return type** dict**Response object:**

```
{
  "rules": [
    {
      "name": "string",
      "severity": "Low",
      "logic": "string",
      "description": "string",
      "remediation": "string",
      "complianceTag": "string",
      "domain": "string",
      "priority": "string",
      "controlTitle": "string",
      "ruleId": "string",
      "logicHash": "string",
      "isDefault": true
    }
  ],
  "accountId": 0,
  "createdTime": "2019-09-26T10:55:03Z",
  "updatedAt": "2019-09-26T10:55:03Z",
  "id": 0,
  "name": "string",
  "description": "string",
  "isTemplate": true,
  "hideInCompliance": true,
  "minFeatureTier": "Trial",
  "section": 0,
  "tooltipText": "string",
  "showBundle": true,
  "systemBundle": true,
  "cloudVendor": "aws",
  "version": 0,
  "language": "string",
  "rulesCount": 0
}
```

create_ruleset (*ruleset*)

Create a Compliance ruleset

Parameters **ruleset** (*dict*) – Ruleset object.**Returns** Compliance ruleset.**Return type** dict**Response object:**

```
{
  "rules": [
    {
      "name": "string",
      "severity": "Low",
      "logic": "string",
      "description": "string",
      "remediation": "string",
      "complianceTag": "string",
      "domain": "string",
      "priority": "string",
      "controlTitle": "string",
      "ruleId": "string",
      "logicHash": "string",
      "isDefault": true
    }
  ],
  "accountId": 0,
  "createdTime": "2019-09-26T10:55:03Z",
  "updatedAt": "2019-09-26T10:55:03Z",
  "id": 0,
  "name": "string",
  "description": "string",
  "isTemplate": true,
  "hideInCompliance": true,
  "minFeatureTier": "Trial",
  "section": 0,
  "tooltipText": "string",
  "showBundle": true,
  "systemBundle": true,
  "cloudVendor": "aws",
  "version": 0,
  "language": "string",
  "rulesCount": 0
}
```

update_ruleset (*ruleset*)

Update a Compliance ruleset

Parameters **ruleset** (*dict*) – Ruleset object.**Returns** Compliance ruleset.**Return type** dict**Response object:**

```
{
  "rules": [
    {
      "name": "string",
      "severity": "Low",
      "logic": "string",
      "description": "string",
      "remediation": "string",
      "complianceTag": "string",
      "domain": "string",
      "priority": "string",
      "controlTitle": "string",
      "ruleId": "string",
      "logicHash": "string",
      "isDefault": true
    }
  ],
  "accountId": 0,
  "createdTime": "2019-09-26T10:55:03Z",
  "updatedAt": "2019-09-26T10:55:03Z",
  "id": 0,
  "name": "string",
  "description": "string",
  "isTemplate": true,
  "hideInCompliance": true,
  "minFeatureTier": "Trial",
  "section": 0,
  "tooltipText": "string",
  "showBundle": true,
  "systemBundle": true,
  "cloudVendor": "aws",
  "version": 0,
  "language": "string",
  "rulesCount": 0
}
```

delete_ruleset (rulesetId)

Delete a Compliance ruleset

Parameters **rulesetId** (*str*) – ID of the ruleset

Returns Deletion status

Return type bool

list_remediations ()

List Remediations

Returns List of Remediation object.

Return type list

Response object:

```
{
  "id": "00000000-0000-0000-0000-000000000000",
  "ruleLogicHash": "string",
  "ruleName": "string",
  "ruleId": "string",

```

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```

    "logic": "string",
    "rulesetId": 0,
    "cloudAccountId": "00000000-0000-0000-0000-000000000000",
    "platform": "Aws",
    "comment": "string",
    "cloudBots": [
        "string"
    ]
}

```

get_remediation (*remediationId*)

Get a specific remediation

Parameters **remediationId** (*str*) – ID of the remediation**Returns** Remediation object.**Return type** dict**Response object:**

```

{
    "id": "00000000-0000-0000-0000-000000000000",
    "ruleLogicHash": "string",
    "ruleName": "string",
    "ruleId": "string",
    "logic": "string",
    "rulesetId": 0,
    "cloudAccountId": "00000000-0000-0000-0000-000000000000",
    "platform": "Aws",
    "comment": "string",
    "cloudBots": [
        "string"
    ]
}

```

create_remediation (*remediation*)

Create a Remediation

Parameters **remediation** (*dict*) – Remediation object.**Returns** Remediation object.**Return type** dict**Response object:**

```

{
    "id": "00000000-0000-0000-0000-000000000000",
    "ruleLogicHash": "string",
    "ruleName": "string",
    "ruleId": "string",
    "logic": "string",
    "rulesetId": 0,
    "cloudAccountId": "00000000-0000-0000-0000-000000000000",
    "platform": "Aws",
    "comment": "string",

```

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```
    "cloudBots": [
      "string"
    ]
  }
```

update_remediation (*remediation*)

Update a Remediation

Parameters **remediation** (*dict*) – Remediation object.**Returns** Remediation object.**Return type** dict**Response object:**

```
{
  "id": "00000000-0000-0000-0000-000000000000",
  "ruleLogicHash": "string",
  "ruleName": "string",
  "ruleId": "string",
  "logic": "string",
  "rulesetId": 0,
  "cloudAccountId": "00000000-0000-0000-0000-000000000000",
  "platform": "Aws",
  "comment": "string",
  "cloudBots": [
    "string"
  ]
}
```

delete_remediation (*remediationId*)

Delete a Remediation

Parameters **remediationId** (*str*) – ID of the remediation**Returns** Deletion status**Return type** bool**list_exclusions** ()

List all exclusions

Returns List of Exclusion object.**Return type** list**Response object:**

```
{
  "id": "00000000-0000-0000-0000-000000000000",
  "ruleLogicHash": "string",
  "ruleName": "string",
  "ruleId": "string",
  "logic": "string",
  "bundleId": 0,
  "cloudAccountId": "00000000-0000-0000-0000-000000000000",
  "cloudAccountType": "Aws",
}
```

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```

    "comment": "string"
  }

```

get_exclusion (*exclusionId*)

Get a specific exclusion

Parameters **exclusionId** (*str*) – ID of the exclusion**Returns** Exclusion object.**Return type** dict**Response object:**

```

{
  "id": "00000000-0000-0000-0000-000000000000",
  "ruleLogicHash": "string",
  "ruleName": "string",
  "ruleId": "string",
  "logic": "string",
  "bundleId": 0,
  "cloudAccountId": "00000000-0000-0000-0000-000000000000",
  "cloudAccountType": "Aws",
  "comment": "string"
}

```

create_exclusion (*exclusion*)

Create an exclusion

Parameters **exclusion** (*dict*) – Exclusion object.**Returns** Exclusion object.**Return type** dict**Response object:**

```

{
  "id": "00000000-0000-0000-0000-000000000000",
  "ruleLogicHash": "string",
  "ruleName": "string",
  "ruleId": "string",
  "logic": "string",
  "bundleId": 0,
  "cloudAccountId": "00000000-0000-0000-0000-000000000000",
  "cloudAccountType": "Aws",
  "comment": "string"
}

```

delete_exclusion (*exclusionId*)

Delete an exclusion

Parameters **exclusionId** (*str*) – Id of the exclusion**Returns** Deletion status**Return type** bool

run_assessment (*rulesetId*, *cloudAccountId*, *cloudAccountType*, *region=None*)

Run compliance assessments on Cloud Accounts, and get the results

Parameters

- **rulesetId** (*str*) – Id of the Compliance Policy Ruleset to run
- **cloudAccountId** (*str*) – Id of the Cloud Account
- **cloudAccountType** (*str*) – Type of the Cloud Account (Google, Aws, Azure, Kubernetes, ...)
- **region** (*str*, *optional*) – Set a specific region. Defaults to None.

Returns Assessment result. Ref: /docs/source/schemas/AssessmentResults.json

Return type dict

Response object:

```
{
  "request": {
    "dome9CloudAccountId": "00000000-0000-0000-0000-000000000000",
    "externalCloudAccountId": "string",
    "cloudAccountId": "string",
    "region": "string",
    "cloudNetwork": "string",
    "cloudAccountType": "Aws",
    "requestId": "00000000-0000-0000-0000-000000000000"
  },
  "tests": [
    {
      "error": "string",
      "testedCount": 0,
      "relevantCount": 0,
      "nonComplyingCount": 0,
      "exclusionStats": {
        "testedCount": 0,
        "relevantCount": 0,
        "nonComplyingCount": 0
      },
      "entityResults": [
        {
          "validationStatus": "Relevant",
          "isRelevant": true,
          "isValid": true,
          "isExcluded": true,
          "exclusionId": "00000000-0000-0000-0000-000000000000",
          "remediationId": "00000000-0000-0000-0000-000000000000",
          "error": "string",
          "testObj": {}
        }
      ],
      "rule": {
        "name": "string",
        "severity": "Low",
        "logic": "string",
        "description": "string",
        "remediation": "string",

```

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```

        "complianceTag": "string",
        "domain": "string",
        "priority": "string",
        "controlTitle": "string",
        "ruleId": "string",
        "logicHash": "string",
        "isDefault": true
    },
    "testPassed": true
}
],
"locationMetadata": {
    "account": {
        "srl": "string",
        "name": "string",
        "id": "string",
        "externalId": "string"
    },
    "region": {
        "srl": "string",
        "name": "string",
        "id": "string",
        "externalId": "string"
    },
    "cloudNetwork": {
        "srl": "string",
        "name": "string",
        "id": "string",
        "externalId": "string"
    }
},
"testEntities": {
    "notSupported": [{}],
    "instance": [{}],
    "securityGroup": [{}],
    "elb": [{}],
    "rds": [{}],
    "lambda": [{}],
    "region": [{}],
    "virtualMachine": [{}],
    "networkSecurityGroup": [{}],
    "cloudTrail": [{}],
    "nacl": [{}],
    "vpc": [{}],
    "subnet": [{}],
    "s3Bucket": [{}],
    "applicationLoadBalancer": [{}],
    "iamUser": [{}],
    "iamRole": [{}],
    "iam": [{}],
    "redshift": [{}],
    "kms": [{}],
    "default": [{}],
    "vmInstance": [{}],
    "iamGroup": [{}],
    "efs": [{}],
    "network": [{}],

```

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```

"elastiCache": [{}],
"loadBalancer": [{}],
"vNet": [{}],
"sqlldb": [{}],
"redisCache": [{}],
"applicationGateway": [{}],
"resourceGroup": [{}],
"sqlServer": [{}],
"ecsCluster": [{}],
"keyVault": [{}],
"networkLoadBalancer": [{}],
"networkInterface": [{}],
"ecsTaskDefinition": [{}],
"iamPolicy": [{}],
"volume": [{}],
"cloudFront": [{}],
"kinesis": [{}],
"iamServerCertificate": [{}],
"route53HostedZone": [{}],
"route53RecordSetGroup": [{}],
"acmCertificate": [{}],
"route53Domain": [{}],
"storageAccount": [{}],
"dynamoDbTable": [{}],
"ami": [{}],
"vpnGateway": [{}],
"virtualMfaDevices": [{}],
"internetGateway": [{}],
"wafRegional": [{}],
"lock": [{}],
"vpnConnection": [{}],
"ecsTask": [{}],
"customerGateway": [{}],
"gcpSecurityGroup": [{}],
"elasticIP": [{}],
"iamInstanceProfile": [{}],
"storageBucket": [{}],
"ecsService": [{}],
"project": [{}],
"serviceAccount": [{}],
"kmsKeyRing": [{}],
"dataWarehouse": [{}],
"guardDutyDetector": [{}],
"gcpIamPolicy": [{}],
"gcpIamUser": [{}],
"apiGateway": [{}],
"gcpGsuiteUser": [{}],
"gcpGsuiteGroup": [{}],
"gcpIamGroup": [{}],
"bigQuery": [{}],
"routeTable": [{}],
"gkeCluster": [{}],
"postgresql": [{}],
"vpcFlowLog": [{}],
"iamAccountSummary": [{}],
"sageMakerNotebook": [{}],
"containerRegistry": [{}],

```

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```

    "inspector": [{}],
    "kmsAliases": [{}],
    "passwordPolicy": [{}],
    "configurationRecorder": [{}],
    "cosmosDbAccount": [{}],
    "networkWatcher": [{}],
    "vpcPeeringConnection": [{}],
    "metricAlarm": [{}],
    "snsSubscription": [{}],
    "logGroup": [{}],
    "metricFilter": [{}],
    "cloudWatchEventsRule": [{}],
    "awsIamAccessKey": [{}],
    "kubernetesNode": [{}],
    "kubernetesPod": [{}],
    "kubernetesService": [{}],
    "logProfile": [{}],
    "policyAssignment": [{}],
    "kubernetesNetworkPolicy": [{}],
    "kubernetesIngress": [{}],
    "kubernetesPodSecurityPolicy": [{}],
    "cloudSql": [{}],
    "kubernetesKubelet": [
      {}
    ]
  },
  "dataSyncStatus": [
    {
      "entityType": "NotSupported",
      "recentlySuccessfulSync": true,
      "generalFetchPermissionIssues": true,
      "entitiesWithPermissionIssues": [
        {
          "externalId": "string",
          "name": "string",
          "cloudVendorIdentifier": "string"
        }
      ]
    }
  ]
},
"assessmentPassed": true,
"hasErrors": true,
"id": 0
}

```

get_assessment (*assessmentId*)

Get results of an assesment by id

Parameters **assessmentId** (*str*) – Report/Assessment id**Returns** Assesment result. Ref: /docs/source/schemas/AssessmentResults.json**Return type** dict**Response object:**

```

{
  "request": {
    "dome9CloudAccountId": "00000000-0000-0000-0000-000000000000",
    "externalCloudAccountId": "string",
    "cloudAccountId": "string",
    "region": "string",
    "cloudNetwork": "string",
    "cloudAccountType": "Aws",
    "requestId": "00000000-0000-0000-0000-000000000000"
  },
  "tests": [
    {
      "error": "string",
      "testedCount": 0,
      "relevantCount": 0,
      "nonComplyingCount": 0,
      "exclusionStats": {
        "testedCount": 0,
        "relevantCount": 0,
        "nonComplyingCount": 0
      },
      "entityResults": [
        {
          "validationStatus": "Relevant",
          "isRelevant": true,
          "isValid": true,
          "isExcluded": true,
          "exclusionId": "00000000-0000-0000-0000-000000000000",
          "remediationId": "00000000-0000-0000-0000-000000000000"
        },
        {
          "error": "string",
          "testObj": {}
        }
      ],
      "rule": {
        "name": "string",
        "severity": "Low",
        "logic": "string",
        "description": "string",
        "remediation": "string",
        "complianceTag": "string",
        "domain": "string",
        "priority": "string",
        "controlTitle": "string",
        "ruleId": "string",
        "logicHash": "string",
        "isDefault": true
      },
      "testPassed": true
    }
  ],
  "locationMetadata": {
    "account": {
      "srl": "string",
      "name": "string",
      "id": "string",
      "externalId": "string"
    }
  }
}

```

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```

    },
    "region": {
      "srl": "string",
      "name": "string",
      "id": "string",
      "externalId": "string"
    },
    "cloudNetwork": {
      "srl": "string",
      "name": "string",
      "id": "string",
      "externalId": "string"
    }
  },
  "testEntities": {
    "notSupported": [{}],
    "instance": [{}],
    "securityGroup": [{}],
    "elb": [{}],
    "rds": [{}],
    "lambda": [{}],
    "region": [{}],
    "virtualMachine": [{}],
    "networkSecurityGroup": [{}],
    "cloudTrail": [{}],
    "nacl": [{}],
    "vpc": [{}],
    "subnet": [{}],
    "s3Bucket": [{}],
    "applicationLoadBalancer": [{}],
    "iamUser": [{}],
    "iamRole": [{}],
    "iam": [{}],
    "redshift": [{}],
    "kms": [{}],
    "default": [{}],
    "vmInstance": [{}],
    "iamGroup": [{}],
    "efs": [{}],
    "network": [{}],
    "elasticache": [{}],
    "loadBalancer": [{}],
    "vNet": [{}],
    "sqlldb": [{}],
    "redisCache": [{}],
    "applicationGateway": [{}],
    "resourceGroup": [{}],
    "sqlServer": [{}],
    "ecsCluster": [{}],
    "keyVault": [{}],
    "networkLoadBalancer": [{}],
    "networkInterface": [{}],
    "ecsTaskDefinition": [{}],
    "iamPolicy": [{}],
    "volume": [{}],
    "cloudFront": [{}],
    "kinesis": [{}],

```

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```

"iamServerCertificate": [{}],
"route53HostedZone": [{}],
"route53RecordSetGroup": [{}],
"acmCertificate": [{}],
"route53Domain": [{}],
"storageAccount": [{}],
"dynamoDbTable": [{}],
"ami": [{}],
"vpnGateway": [{}],
"virtualMfaDevices": [{}],
"internetGateway": [{}],
"wafRegional": [{}],
"lock": [{}],
"vpnConnection": [{}],
"ecsTask": [{}],
"customerGateway": [{}],
"gcpSecurityGroup": [{}],
"elasticIP": [{}],
"iamInstanceProfile": [{}],
"storageBucket": [{}],
"ecsService": [{}],
"project": [{}],
"serviceAccount": [{}],
"kmsKeyRing": [{}],
"dataWarehouse": [{}],
"guardDutyDetector": [{}],
"gcpIamPolicy": [{}],
"gcpIamUser": [{}],
"apiGateway": [{}],
"gcpGsuiteUser": [{}],
"gcpGsuiteGroup": [{}],
"gcpIamGroup": [{}],
"bigQuery": [{}],
"routeTable": [{}],
"gkeCluster": [{}],
"postgresql": [{}],
"vpcFlowLog": [{}],
"iamAccountSummary": [{}],
"sageMakerNotebook": [{}],
"containerRegistry": [{}],
"inspector": [{}],
"kmsAliases": [{}],
"passwordPolicy": [{}],
"configurationRecorder": [{}],
"cosmosDbAccount": [{}],
"networkWatcher": [{}],
"vpcPeeringConnection": [{}],
"metricAlarm": [{}],
"snsSubscription": [{}],
"logGroup": [{}],
"metricFilter": [{}],
"cloudWatchEventsRule": [{}],
"awsIamAccessKey": [{}],
"kubernetesNode": [{}],
"kubernetesPod": [{}],
"kubernetesService": [{}],
"logProfile": [{}],

```

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```

    "policyAssignment": [{}],
    "kubernetesNetworkPolicy": [{}],
    "kubernetesIngress": [{}],
    "kubernetesPodSecurityPolicy": [{}],
    "cloudSql": [{}],
    "kubernetesKubelet": [
      {}
    ]
  },
  "dataSyncStatus": [
    {
      "entityType": "NotSupported",
      "recentlySuccessfulSync": true,
      "generalFetchPermissionIssues": true,
      "entitiesWithPermissionIssues": [
        {
          "externalId": "string",
          "name": "string",
          "cloudVendorIdentifier": "string"
        }
      ]
    }
  ],
  "assessmentPassed": true,
  "hasErrors": true,
  "id": 0
}

```

list_users()

List all Dome9 users for the Dome9 account

Returns User object. Ref: /docs/source/schemas/User.json**Return type** dict**Response object:**

```

{
  "id": 0,
  "name": "string",
  "email": "MyName@gmail.com",
  "accountId": 0,
  "isSuspended": true,
  "isOwner": true,
  "isSuperUser": true,
  "isAuditor": true,
  "hasApiKey": true,
  "hasApiKeyV1": true,
  "hasApiKeyV2": true,
  "isMfaEnabled": true,
  "ssoEnabled": true,
  "roleIds": [
    0
  ],
  "iamSafe": null,
  "canSwitchRole": true,

```

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```
"isLocked": true,  
"lastLogin": "2022-05-24T17:41:03Z",  
"permissions": null,  
"calculatedPermissions": null,  
"isMobileDevicePaired": true,  
"mfaEnforcement": null  
}
```

get_user (*userId*)

Get user registered in Dome9

Parameters **userId** (*id*) – Id of the user**Returns** User object. Ref: /docs/source/schemas/User.json**Return type** dict**Response object:**

```
{  
  "id": 0,  
  "name": "string",  
  "email": "MyName@gmail.com",  
  "accountId": 0,  
  "isSuspended": true,  
  "isOwner": true,  
  "isSuperUser": true,  
  "isAuditor": true,  
  "hasApiKey": true,  
  "hasApiKeyV1": true,  
  "hasApiKeyV2": true,  
  "isMfaEnabled": true,  
  "ssoEnabled": true,  
  "roleIds": [  
    0  
  ],  
  "iamSafe": null,  
  "canSwitchRole": true,  
  "isLocked": true,  
  "lastLogin": "2022-05-24T17:41:03Z",  
  "permissions": null,  
  "calculatedPermissions": null,  
  "isMobileDevicePaired": true,  
  "mfaEnforcement": null  
}
```

create_user (*email, name, surname=""*)

Create user in Dome9

Parameters

- **email** (*str*) – User email of the new user
- **name** (*str*) – Name of the new user
- **surname** (*str, optional*) – Surname of the new user. Defaults to ""

Returns User object. Ref: /docs/source/schemas/User.json

Return type dict

Response object:

```
{
  "id": 0,
  "name": "string",
  "email": "MyName@gmail.com",
  "accountId": 0,
  "isSuspended": true,
  "isOwner": true,
  "isSuperUser": true,
  "isAuditor": true,
  "hasApiKey": true,
  "hasApiKeyV1": true,
  "hasApiKeyV2": true,
  "isMfaEnabled": true,
  "ssoEnabled": true,
  "roleIds": [
    0
  ],
  "iamSafe": null,
  "canSwitchRole": true,
  "isLocked": true,
  "lastLogin": "2022-05-24T17:41:03Z",
  "permissions": null,
  "calculatedPermissions": null,
  "isMobileDevicePaired": true,
  "mfaEnforcement": null
}
```

delete_user (*userId*)

Delete a user in Dome9

Parameters **userId** (*str*) – Id of the user

Returns bool

8.3 Module contents

class dome9.Dome9 (*key=None, secret=None, endpoint='https://api.dome9.com', apiVersion='v2'*)

Bases: object

get_cloud_account (*cloudId*)

Get a Cloud Account

Parameters **cloudId** (*str*) – ID of the Cloud Account

Returns Cloud Account object.

Return type dict

Response object:

```
{
  "id": "00000000-0000-0000-0000-000000000000",
  "vendor": "aws",

```

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```

"name": "string",
"externalAccountNumber": "string",
"error": "string",
"isFetchingSuspended": true,
"creationDate": "2019-09-26T10:55:03Z",
"credentials": {
  "apikey": "string",
  "arn": "string",
  "secret": "string",
  "iamUser": "string",
  "type": "UserBased",
  "isReadOnly": true
},
"iamSafe": {
  "awsGroupArn": "string",
  "awsPolicyArn": "string",
  "mode": "OptIn",
  "state": "Enabled",
  "excludedIamEntities": {
    "rolesArns": [
      "string"
    ],
    "usersArns": [
      "string"
    ]
  },
  "restrictedIamEntities": {
    "rolesArns": [
      "string"
    ],
    "usersArns": [
      "string"
    ]
  }
},
"netSec": {
  "regions": [
    {
      "region": "us_east_1",
      "name": "string",
      "hidden": true,
      "newGroupBehavior": "ReadOnly"
    }
  ]
},
"magellan": true,
"fullProtection": true,
"allowReadOnly": true,
"organizationalUnitId": "00000000-0000-0000-0000-000000000000",
"organizationalUnitPath": "string",
"organizationalUnitName": "string",
"lambdaScanner": true
}

```

list_aws_accounts()
List AWS accounts

Returns List of AWS Cloud Accounts.

Return type list

Response object:

```
{
  "id": "00000000-0000-0000-0000-000000000000",
  "vendor": "aws",
  "name": "string",
  "externalAccountNumber": "string",
  "error": "string",
  "isFetchingSuspended": true,
  "creationDate": "2019-09-26T10:55:03Z",
  "credentials": {
    "apikey": "string",
    "arn": "string",
    "secret": "string",
    "iamUser": "string",
    "type": "UserBased",
    "isReadOnly": true
  },
  "iamSafe": {
    "awsGroupArn": "string",
    "awsPolicyArn": "string",
    "mode": "OptIn",
    "state": "Enabled",
    "excludedIamEntities": {
      "rolesArns": [
        "string"
      ],
      "usersArns": [
        "string"
      ]
    },
    "restrictedIamEntities": {
      "rolesArns": [
        "string"
      ],
      "usersArns": [
        "string"
      ]
    }
  },
  "netSec": {
    "regions": [
      {
        "region": "us_east_1",
        "name": "string",
        "hidden": true,
        "newGroupBehavior": "ReadOnly"
      }
    ]
  },
  "magellan": true,
  "fullProtection": true,
  "allowReadOnly": true,
  "organizationalUnitId": "00000000-0000-0000-0000-000000000000",
}
```

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```
"organizationalUnitPath": "string",
"organizationalUnitName": "string",
"lambdaScanner": true
}
```

list_azure_accounts()

List Azure accounts

Returns List of Azure Cloud Accounts.**Return type** list**Response object:**

```
{
  "id": "00000000-0000-0000-0000-000000000000",
  "name": "string",
  "subscriptionId": "string",
  "tenantId": "string",
  "credentials": {
    "clientId": "string",
    "clientPassword": "string"
  },
  "operationMode": "Read",
  "error": "string",
  "creationDate": "2019-09-26T10:55:03Z",
  "organizationalUnitId": "00000000-0000-0000-0000-000000000000",
  "organizationalUnitPath": "string",
  "organizationalUnitName": "string",
  "vendor": "aws"
}
```

list_google_accounts()

List Google Cloud Accounts

Returns List of Google accounts.**Return type** list**Response object:**

```
{
  "id": "00000000-0000-0000-0000-000000000000",
  "name": "string",
  "projectId": "string",
  "creationDate": "2019-09-26T10:55:03Z",
  "organizationalUnitId": "00000000-0000-0000-0000-000000000000",
  "organizationalUnitPath": "string",
  "organizationalUnitName": "string",
  "gsuite": {
    "gsuiteUser": "string",
    "domainName": "string"
  },
  "vendor": "aws"
}
```

list_kubernetes_accounts()

List Kubernetes accounts

Returns List of Kubernetes accounts.**Return type** list**Response object:**

```
{
  "id": "00000000-0000-0000-0000-000000000000",
  "name": "string",
  "creationDate": "2019-09-26T10:55:03Z",
  "vendor": "aws",
  "organizationalUnitId": "00000000-0000-0000-0000-000000000000",
  "organizationalUnitPath": "string",
  "organizationalUnitName": "string"
}
```

list_cloud_accounts()

List all accounts (AWS, Azure, GCP & Kubernetes)

Returns List of Cloud Accounts.**Return type** list**Response object:**

```
{
  "id": "00000000-0000-0000-0000-000000000000",
  "vendor": "aws",
  "name": "string",
  "externalAccountNumber": "string",
  "error": "string",
  "isFetchingSuspended": true,
  "creationDate": "2019-09-26T10:55:03Z",
  "credentials": {
    "apikey": "string",
    "arn": "string",
    "secret": "string",
    "iamUser": "string",
    "type": "UserBased",
    "isReadOnly": true
  },
  "iamSafe": {
    "awsGroupArn": "string",
    "awsPolicyArn": "string",
    "mode": "OptIn",
    "state": "Enabled",
    "excludedIamEntities": {
      "rolesArns": [
        "string"
      ],
      "usersArns": [
        "string"
      ]
    }
  },
  "restrictedIamEntities": {
```

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```

        "rolesArns": [
            "string"
        ],
        "usersArns": [
            "string"
        ]
    }
},
"netSec": {
    "regions": [
        {
            "region": "us_east_1",
            "name": "string",
            "hidden": true,
            "newGroupBehavior": "ReadOnly"
        }
    ]
},
"magellan": true,
"fullProtection": true,
"allowReadOnly": true,
"organizationalUnitId": "00000000-0000-0000-0000-000000000000",
"organizationalUnitPath": "string",
"organizationalUnitName": "string",
"lambdaScanner": true
}

```

connect_aws_account (*name, secret, roleArn*)

Connect AWS account to Dome9

Parameters

- **name** (*str*) – Name of the new account
- **secret** (*str*) – Secret of the AWS role
- **roleArn** (*str*) – Role ARN. Identifier of the AWS role

Returns bool

connect_azure_account (*name, tenantId, subscriptionId, applicationId, secretKey*)

list_protected_assets (*textSearch="", filters=[], pageSize=1000*)

List all Cloud Assets

Parameters

- **textSearch** (*list*) – Filter query by using text string. (i.e.: prod-uk)
- **filters** (*list*) – List of filters. `[[{"name": "platform", "value": "aws"}, {"name": "cloudAccountId", "value": "0123456789"}]]`
- **of filter names** (*list*) – organizationalUnitId, platform, type, cloudAccountId, region, network, resourceGroup.
- **pageSize** (*int*) – Items per query

Returns Pagination of protected assets.

Return type dict

Response object:

```

{
  "searchRequest": {
    "pageSize": 10,
    "sorting": {
      "fieldName": null,
      "direction": 0
    },
    "filter": {
      "freeTextPhrase": null,
      "fields": [],
      "tags": [],
      "includedEntityTypes": null,
      "excludedEntityTypes": null
    },
    "searchAfter": [],
    "additionalFields": {
      "source": null,
      "filterFields": [],
      "sortField": {
        "fieldName": null,
        "direction": 1
      }
    }
  },
  "assets": [
    {
      "id": "1|fffffaaaa-ffff-ffff-aaaa-
↪123412341234|rg|5|internetGateway|igw-12341234-112345",
      "entityId": "igw-12341234",
      "externalCloudAccountId": "1234567890",
      "cloudAccountId": "fffffaaaa-ffff-ffff-aaaa-123412341234",
      "srl": "1|fffffaaaa-ffff-ffff-aaaa-
↪123412341234|rg|5|internetGateway|igw-12341234",
      "type": "InternetGateway",
      "name": "",
      "tags": [],
      "platform": "aws",
      "typeByPlatform": "aws|InternetGateway",
      "network": "vpc-12341234",
      "region": "us_west_2",
      "resourceGroup": "",
      "additionalFields": [
        {
          "name": "IsBillable",
          "value": "False"
        }
      ],
      "externalAdditionalFields": null
    }
  ],
  "totalCount": 102868,
  "aggregations": {
    "resourceGroup": [
      {
        "value": "myrg",
        "count": 96217
      }
    ]
  }
}

```

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```
    },
    ],
    "cloudAccountId": [
      {
        "value": "12341234-1234-1234-1234-123412341234",
        "count": 7926
      }
    ],
    "type": [
      {
        "value": "azure|User",
        "count": 18
      },
      {
        "value": "azure|Bastion",
        "count": 16
      },
      {
        "value": "azure|VirtualNetworkGateway",
        "count": 16
      },
      {
        "value": "google|InstanceTemplate",
        "count": 16
      }
    ],
    "region": [
      {
        "value": "",
        "count": 54560
      },
      {
        "value": "us_east_1",
        "count": 8070
      },
      {
        "value": "eu_west_1",
        "count": 3985
      }
    ],
    "platform": [
      {
        "value": "aws",
        "count": 45584
      },
      {
        "value": "google",
        "count": 24263
      },
      {
        "value": "azure",
        "count": 20928
      },
      {
        "value": "kubernetes",
        "count": 12093
      }
    ]
  }
```

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```

    ],
    "network": [
      {
        "value": "",
        "count": 96480
      },
      {
        "value": "injectors-network",
        "count": 291
      },
      {
        "value": "vpc-12341234",
        "count": 183
      }
    ]
  },
  "searchAfter": [
    "fffffaaaa-ffff-ffff-aaaa-123412341234",
    "",
    "us_west_1",
    "vpc-12341234",
    "InternetGateway",
    "1|fffffaaaa-ffff-ffff-aaaa-123412341234|rg|1|internetGateway|igw-
↪12341234-123123"
  ]
}

```

list_rulesets()

List Compliance Rulesets

Returns List of Compliance rulesets.**Return type** list**Response object:**

```

{
  "rules": [
    {
      "name": "string",
      "severity": "Low",
      "logic": "string",
      "description": "string",
      "remediation": "string",
      "complianceTag": "string",
      "domain": "string",
      "priority": "string",
      "controlTitle": "string",
      "ruleId": "string",
      "logicHash": "string",
      "isDefault": true
    }
  ],
  "accountId": 0,
  "createdTime": "2019-09-26T10:55:03Z",
  "updatedAt": "2019-09-26T10:55:03Z",

```

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```

    "id": 0,
    "name": "string",
    "description": "string",
    "isTemplate": true,
    "hideInCompliance": true,
    "minFeatureTier": "Trial",
    "section": 0,
    "tooltipText": "string",
    "showBundle": true,
    "systemBundle": true,
    "cloudVendor": "aws",
    "version": 0,
    "language": "string",
    "rulesCount": 0
  }

```

get_ruleset (*rulesetId=None, name=None*)

Get a specific Compliance ruleset

Parameters

- **rulesetId** (*str*) – Locate ruleset by id
- **name** (*str*) – Locate ruleset by name

Returns Compliance ruleset.**Return type** dict**Response object:**

```

{
  "rules": [
    {
      "name": "string",
      "severity": "Low",
      "logic": "string",
      "description": "string",
      "remediation": "string",
      "complianceTag": "string",
      "domain": "string",
      "priority": "string",
      "controlTitle": "string",
      "ruleId": "string",
      "logicHash": "string",
      "isDefault": true
    }
  ],
  "accountId": 0,
  "createdTime": "2019-09-26T10:55:03Z",
  "updatedAt": "2019-09-26T10:55:03Z",
  "id": 0,
  "name": "string",
  "description": "string",
  "isTemplate": true,
  "hideInCompliance": true,
  "minFeatureTier": "Trial",
  "section": 0,

```

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```

    "tooltipText": "string",
    "showBundle": true,
    "systemBundle": true,
    "cloudVendor": "aws",
    "version": 0,
    "language": "string",
    "rulesCount": 0
  }

```

create_ruleset (*ruleset*)

Create a Compliance ruleset

Parameters **ruleset** (*dict*) – Ruleset object.**Returns** Compliance ruleset.**Return type** dict**Response object:**

```

{
  "rules": [
    {
      "name": "string",
      "severity": "Low",
      "logic": "string",
      "description": "string",
      "remediation": "string",
      "complianceTag": "string",
      "domain": "string",
      "priority": "string",
      "controlTitle": "string",
      "ruleId": "string",
      "logicHash": "string",
      "isDefault": true
    }
  ],
  "accountId": 0,
  "createdTime": "2019-09-26T10:55:03Z",
  "updatedAt": "2019-09-26T10:55:03Z",
  "id": 0,
  "name": "string",
  "description": "string",
  "isTemplate": true,
  "hideInCompliance": true,
  "minFeatureTier": "Trial",
  "section": 0,
  "tooltipText": "string",
  "showBundle": true,
  "systemBundle": true,
  "cloudVendor": "aws",
  "version": 0,
  "language": "string",
  "rulesCount": 0
}

```

update_ruleset (*ruleset*)

Update a Compliance ruleset

Parameters **ruleset** (*dict*) – Ruleset object.**Returns** Compliance ruleset.**Return type** dict**Response object:**

```
{
  "rules": [
    {
      "name": "string",
      "severity": "Low",
      "logic": "string",
      "description": "string",
      "remediation": "string",
      "complianceTag": "string",
      "domain": "string",
      "priority": "string",
      "controlTitle": "string",
      "ruleId": "string",
      "logicHash": "string",
      "isDefault": true
    }
  ],
  "accountId": 0,
  "createdTime": "2019-09-26T10:55:03Z",
  "updatedAt": "2019-09-26T10:55:03Z",
  "id": 0,
  "name": "string",
  "description": "string",
  "isTemplate": true,
  "hideInCompliance": true,
  "minFeatureTier": "Trial",
  "section": 0,
  "tooltipText": "string",
  "showBundle": true,
  "systemBundle": true,
  "cloudVendor": "aws",
  "version": 0,
  "language": "string",
  "rulesCount": 0
}
```

delete_ruleset (*rulesetId*)

Delete a Compliance ruleset

Parameters **rulesetId** (*str*) – ID of the ruleset**Returns** Deletion status**Return type** bool**list_remediations** ()

List Remediations

Returns List of Remediation object.

Return type list

Response object:

```
{
  "id": "00000000-0000-0000-0000-000000000000",
  "ruleLogicHash": "string",
  "ruleName": "string",
  "ruleId": "string",
  "logic": "string",
  "rulesetId": 0,
  "cloudAccountId": "00000000-0000-0000-0000-000000000000",
  "platform": "Aws",
  "comment": "string",
  "cloudBots": [
    "string"
  ]
}
```

get_remediation (*remediationId*)

Get a specific remediation

Parameters **remediationId** (*str*) – ID of the remediation

Returns Remediation object.

Return type dict

Response object:

```
{
  "id": "00000000-0000-0000-0000-000000000000",
  "ruleLogicHash": "string",
  "ruleName": "string",
  "ruleId": "string",
  "logic": "string",
  "rulesetId": 0,
  "cloudAccountId": "00000000-0000-0000-0000-000000000000",
  "platform": "Aws",
  "comment": "string",
  "cloudBots": [
    "string"
  ]
}
```

create_remediation (*remediation*)

Create a Remediation

Parameters **remediation** (*dict*) – Remediation object.

Returns Remediation object.

Return type dict

Response object:

```
{
  "id": "00000000-0000-0000-0000-000000000000",
```

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```
"ruleLogicHash": "string",
"ruleName": "string",
"ruleId": "string",
"logic": "string",
"rulesetId": 0,
"cloudAccountId": "00000000-0000-0000-0000-000000000000",
"platform": "Aws",
"comment": "string",
"cloudBots": [
  "string"
]
```

update_remediation (*remediation*)

Update a Remediation

Parameters **remediation** (*dict*) – Remediation object.**Returns** Remediation object.**Return type** dict**Response object:**

```
{
  "id": "00000000-0000-0000-0000-000000000000",
  "ruleLogicHash": "string",
  "ruleName": "string",
  "ruleId": "string",
  "logic": "string",
  "rulesetId": 0,
  "cloudAccountId": "00000000-0000-0000-0000-000000000000",
  "platform": "Aws",
  "comment": "string",
  "cloudBots": [
    "string"
  ]
}
```

delete_remediation (*remediationId*)

Delete a Remediation

Parameters **remediationId** (*str*) – ID of the remediation**Returns** Deletion status**Return type** bool**list_exclusions** ()

List all exclusions

Returns List of Exclusion object.**Return type** list**Response object:**

```
{
  "id": "00000000-0000-0000-0000-000000000000",
  "ruleLogicHash": "string",
  "ruleName": "string",
  "ruleId": "string",
  "logic": "string",
  "bundleId": 0,
  "cloudAccountId": "00000000-0000-0000-0000-000000000000",
  "cloudAccountType": "Aws",
  "comment": "string"
}
```

get_exclusion (*exclusionId*)

Get a specific exclusion

Parameters **exclusionId** (*str*) – ID of the exclusion**Returns** Exclusion object.**Return type** dict**Response object:**

```
{
  "id": "00000000-0000-0000-0000-000000000000",
  "ruleLogicHash": "string",
  "ruleName": "string",
  "ruleId": "string",
  "logic": "string",
  "bundleId": 0,
  "cloudAccountId": "00000000-0000-0000-0000-000000000000",
  "cloudAccountType": "Aws",
  "comment": "string"
}
```

create_exclusion (*exclusion*)

Create an exclusion

Parameters **exclusion** (*dict*) – Exclusion object.**Returns** Exclusion object.**Return type** dict**Response object:**

```
{
  "id": "00000000-0000-0000-0000-000000000000",
  "ruleLogicHash": "string",
  "ruleName": "string",
  "ruleId": "string",
  "logic": "string",
  "bundleId": 0,
  "cloudAccountId": "00000000-0000-0000-0000-000000000000",
  "cloudAccountType": "Aws",
  "comment": "string"
}
```

delete_exclusion (*exclusionId*)

Delete an exclusion

Parameters **exclusionId** (*str*) – Id of the exclusion

Returns Deletion status

Return type bool

run_assessment (*rulesetId*, *cloudAccountId*, *cloudAccountType*, *region=None*)

Run compliance assessments on Cloud Accounts, and get the results

Parameters

- **rulesetId** (*str*) – Id of the Compliance Policy Ruleset to run
- **cloudAccountId** (*str*) – Id of the Cloud Account
- **cloudAccountType** (*str*) – Type of the Cloud Account (Google, Aws, Azure, Kubernetes, ...)
- **region** (*str*, *optional*) – Set a specific region. Defaults to None.

Returns Assessment result. Ref: /docs/source/schemas/AssessmentResults.json

Return type dict

Response object:

```
{
  "request": {
    "dome9CloudAccountId": "00000000-0000-0000-0000-000000000000",
    "externalCloudAccountId": "string",
    "cloudAccountId": "string",
    "region": "string",
    "cloudNetwork": "string",
    "cloudAccountType": "Aws",
    "requestId": "00000000-0000-0000-0000-000000000000"
  },
  "tests": [
    {
      "error": "string",
      "testedCount": 0,
      "relevantCount": 0,
      "nonComplyingCount": 0,
      "exclusionStats": {
        "testedCount": 0,
        "relevantCount": 0,
        "nonComplyingCount": 0
      },
      "entityResults": [
        {
          "validationStatus": "Relevant",
          "isRelevant": true,
          "isValid": true,
          "isExcluded": true,
          "exclusionId": "00000000-0000-0000-0000-000000000000",
          "remediationId": "00000000-0000-0000-0000-000000000000"
        },
        {
          "error": "string",
          "testObj": {}
        }
      ]
    }
  ]
}
```

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```

    },
    "rule": {
      "name": "string",
      "severity": "Low",
      "logic": "string",
      "description": "string",
      "remediation": "string",
      "complianceTag": "string",
      "domain": "string",
      "priority": "string",
      "controlTitle": "string",
      "ruleId": "string",
      "logicHash": "string",
      "isDefault": true
    },
    "testPassed": true
  }
},
"locationMetadata": {
  "account": {
    "srl": "string",
    "name": "string",
    "id": "string",
    "externalId": "string"
  },
  "region": {
    "srl": "string",
    "name": "string",
    "id": "string",
    "externalId": "string"
  },
  "cloudNetwork": {
    "srl": "string",
    "name": "string",
    "id": "string",
    "externalId": "string"
  }
},
"testEntities": {
  "notSupported": [{}],
  "instance": [{}],
  "securityGroup": [{}],
  "elb": [{}],
  "rds": [{}],
  "lambda": [{}],
  "region": [{}],
  "virtualMachine": [{}],
  "networkSecurityGroup": [{}],
  "cloudTrail": [{}],
  "nacl": [{}],
  "vpc": [{}],
  "subnet": [{}],
  "s3Bucket": [{}],
  "applicationLoadBalancer": [{}],
  "iamUser": [{}],
  "iamRole": [{}],
  "iam": [{}],

```

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```

"redshift": [{}],
"kms": [{}],
"default": [{}],
"vmInstance": [{}],
"iamGroup": [{}],
"efs": [{}],
"network": [{}],
"elastiCache": [{}],
"loadBalancer": [{}],
"vNet": [{}],
"sqlDb": [{}],
"redisCache": [{}],
"applicationGateway": [{}],
"resourceGroup": [{}],
"sqlServer": [{}],
"ecsCluster": [{}],
"keyVault": [{}],
"networkLoadBalancer": [{}],
"networkInterface": [{}],
"ecsTaskDefinition": [{}],
"iamPolicy": [{}],
"volume": [{}],
"cloudFront": [{}],
"kinesis": [{}],
"iamServerCertificate": [{}],
"route53HostedZone": [{}],
"route53RecordSetGroup": [{}],
"acmCertificate": [{}],
"route53Domain": [{}],
"storageAccount": [{}],
"dynamoDbTable": [{}],
"ami": [{}],
"vpnGateway": [{}],
"virtualMfaDevices": [{}],
"internetGateway": [{}],
"wafRegional": [{}],
"lock": [{}],
"vpnConnection": [{}],
"ecsTask": [{}],
"customerGateway": [{}],
"gcpSecurityGroup": [{}],
"elasticIP": [{}],
"iamInstanceProfile": [{}],
"storageBucket": [{}],
"ecsService": [{}],
"project": [{}],
"serviceAccount": [{}],
"kmsKeyRing": [{}],
"dataWarehouse": [{}],
"guardDutyDetector": [{}],
"gcpIamPolicy": [{}],
"gcpIamUser": [{}],
"apiGateway": [{}],
"gcpGsuiteUser": [{}],
"gcpGsuiteGroup": [{}],
"gcpIamGroup": [{}],
"bigQuery": [{}],

```

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```

    "routeTable": [{}],
    "gkeCluster": [{}],
    "postgresql": [{}],
    "vpcFlowLog": [{}],
    "iamAccountSummary": [{}],
    "sageMakerNotebook": [{}],
    "containerRegistry": [{}],
    "inspector": [{}],
    "kmsAliases": [{}],
    "passwordPolicy": [{}],
    "configurationRecorder": [{}],
    "cosmosDbAccount": [{}],
    "networkWatcher": [{}],
    "vpcPeeringConnection": [{}],
    "metricAlarm": [{}],
    "snsSubscription": [{}],
    "logGroup": [{}],
    "metricFilter": [{}],
    "cloudWatchEventsRule": [{}],
    "awsIamAccessKey": [{}],
    "kubernetesNode": [{}],
    "kubernetesPod": [{}],
    "kubernetesService": [{}],
    "logProfile": [{}],
    "policyAssignment": [{}],
    "kubernetesNetworkPolicy": [{}],
    "kubernetesIngress": [{}],
    "kubernetesPodSecurityPolicy": [{}],
    "cloudSql": [{}],
    "kubernetesKubelet": [
        {}
    ]
},
"dataSyncStatus": [
    {
        "entityType": "NotSupported",
        "recentlySuccessfulSync": true,
        "generalFetchPermissionIssues": true,
        "entitiesWithPermissionIssues": [
            {
                "externalId": "string",
                "name": "string",
                "cloudVendorIdentifier": "string"
            }
        ]
    }
],
"assessmentPassed": true,
"hasErrors": true,
"id": 0
}

```

get_assessment (*assessmentId*)

Get results of an assesment by id

Parameters **assessmentId** (*str*) – Report/Assessment id

Returns Assessment result. Ref: /docs/source/schemas/AssessmentResults.json

Return type dict

Response object:

```
{
  "request": {
    "dome9CloudAccountId": "00000000-0000-0000-0000-000000000000",
    "externalCloudAccountId": "string",
    "cloudAccountId": "string",
    "region": "string",
    "cloudNetwork": "string",
    "cloudAccountType": "Aws",
    "requestId": "00000000-0000-0000-0000-000000000000"
  },
  "tests": [
    {
      "error": "string",
      "testedCount": 0,
      "relevantCount": 0,
      "nonComplyingCount": 0,
      "exclusionStats": {
        "testedCount": 0,
        "relevantCount": 0,
        "nonComplyingCount": 0
      },
      "entityResults": [
        {
          "validationStatus": "Relevant",
          "isRelevant": true,
          "isValid": true,
          "isExcluded": true,
          "exclusionId": "00000000-0000-0000-0000-000000000000",
          "remediationId": "00000000-0000-0000-0000-000000000000"
        },
        {
          "error": "string",
          "testObj": {}
        }
      ],
      "rule": {
        "name": "string",
        "severity": "Low",
        "logic": "string",
        "description": "string",
        "remediation": "string",
        "complianceTag": "string",
        "domain": "string",
        "priority": "string",
        "controlTitle": "string",
        "ruleId": "string",
        "logicHash": "string",
        "isDefault": true
      },
      "testPassed": true
    }
  ],
  "locationMetadata": {
```

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```

    "account": {
      "srl": "string",
      "name": "string",
      "id": "string",
      "externalId": "string"
    },
    "region": {
      "srl": "string",
      "name": "string",
      "id": "string",
      "externalId": "string"
    },
    "cloudNetwork": {
      "srl": "string",
      "name": "string",
      "id": "string",
      "externalId": "string"
    }
  },
  "testEntities": {
    "notSupported": [{}],
    "instance": [{}],
    "securityGroup": [{}],
    "elb": [{}],
    "rds": [{}],
    "lambda": [{}],
    "region": [{}],
    "virtualMachine": [{}],
    "networkSecurityGroup": [{}],
    "cloudTrail": [{}],
    "nacl": [{}],
    "vpc": [{}],
    "subnet": [{}],
    "s3Bucket": [{}],
    "applicationLoadBalancer": [{}],
    "iamUser": [{}],
    "iamRole": [{}],
    "iam": [{}],
    "redshift": [{}],
    "kms": [{}],
    "default": [{}],
    "vmInstance": [{}],
    "iamGroup": [{}],
    "efs": [{}],
    "network": [{}],
    "elastiCache": [{}],
    "loadBalancer": [{}],
    "vNet": [{}],
    "sqlDb": [{}],
    "redisCache": [{}],
    "applicationGateway": [{}],
    "resourceGroup": [{}],
    "sqlServer": [{}],
    "ecsCluster": [{}],
    "keyVault": [{}],
    "networkLoadBalancer": [{}],
    "networkInterface": [{}],
  }

```

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```

"ecsTaskDefinition": [{}],
"iamPolicy": [{}],
"volume": [{}],
"cloudFront": [{}],
"kinesis": [{}],
"iamServerCertificate": [{}],
"route53HostedZone": [{}],
"route53RecordSetGroup": [{}],
"acmCertificate": [{}],
"route53Domain": [{}],
"storageAccount": [{}],
"dynamoDbTable": [{}],
"ami": [{}],
"vpnGateway": [{}],
"virtualMfaDevices": [{}],
"internetGateway": [{}],
"wafRegional": [{}],
"lock": [{}],
"vpnConnection": [{}],
"ecsTask": [{}],
"customerGateway": [{}],
"gcpSecurityGroup": [{}],
"elasticIP": [{}],
"iamInstanceProfile": [{}],
"storageBucket": [{}],
"ecsService": [{}],
"project": [{}],
"serviceAccount": [{}],
"kmsKeyRing": [{}],
"dataWarehouse": [{}],
"guardDutyDetector": [{}],
"gcpIamPolicy": [{}],
"gcpIamUser": [{}],
"apiGateway": [{}],
"gcpGsuiteUser": [{}],
"gcpGsuiteGroup": [{}],
"gcpIamGroup": [{}],
"bigQuery": [{}],
"routeTable": [{}],
"gkeCluster": [{}],
"postgresql": [{}],
"vpcFlowLog": [{}],
"iamAccountSummary": [{}],
"sageMakerNotebook": [{}],
"containerRegistry": [{}],
"inspector": [{}],
"kmsAliases": [{}],
"passwordPolicy": [{}],
"configurationRecorder": [{}],
"cosmosDbAccount": [{}],
"networkWatcher": [{}],
"vpcPeeringConnection": [{}],
"metricAlarm": [{}],
"snsSubscription": [{}],
"logGroup": [{}],
"metricFilter": [{}],
"cloudWatchEventsRule": [{}],

```

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```

    "awsIamAccessKey": [{}],
    "kubernetesNode": [{}],
    "kubernetesPod": [{}],
    "kubernetesService": [{}],
    "logProfile": [{}],
    "policyAssignment": [{}],
    "kubernetesNetworkPolicy": [{}],
    "kubernetesIngress": [{}],
    "kubernetesPodSecurityPolicy": [{}],
    "cloudSql": [{}],
    "kubernetesKubelet": [
      {}
    ]
  },
  "dataSyncStatus": [
    {
      "entityType": "NotSupported",
      "recentlySuccessfulSync": true,
      "generalFetchPermissionIssues": true,
      "entitiesWithPermissionIssues": [
        {
          "externalId": "string",
          "name": "string",
          "cloudVendorIdentifier": "string"
        }
      ]
    }
  ],
  "assessmentPassed": true,
  "hasErrors": true,
  "id": 0
}

```

list_users()

List all Dome9 users for the Dome9 account

Returns User object. Ref: /docs/source/schemas/User.json**Return type** dict**Response object:**

```

{
  "id": 0,
  "name": "string",
  "email": "MyName@gmail.com",
  "accountId": 0,
  "isSuspended": true,
  "isOwner": true,
  "isSuperUser": true,
  "isAuditor": true,
  "hasApiKey": true,
  "hasApiKeyV1": true,
  "hasApiKeyV2": true,
  "isMfaEnabled": true,
  "ssoEnabled": true,

```

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```
"roleIds": [
  0
],
"iamSafe": null,
"canSwitchRole": true,
"isLocked": true,
"lastLogin": "2022-05-24T17:41:03Z",
"permissions": null,
"calculatedPermissions": null,
"isMobileDevicePaired": true,
"mfaEnforcement": null
}
```

get_user (*userId*)

Get user registered in Dome9

Parameters **userId** (*id*) – Id of the user**Returns** User object. Ref: /docs/source/schemas/User.json**Return type** dict**Response object:**

```
{
  "id": 0,
  "name": "string",
  "email": "MyName@gmail.com",
  "accountId": 0,
  "isSuspended": true,
  "isOwner": true,
  "isSuperUser": true,
  "isAuditor": true,
  "hasApiKey": true,
  "hasApiKeyV1": true,
  "hasApiKeyV2": true,
  "isMfaEnabled": true,
  "ssoEnabled": true,
  "roleIds": [
    0
  ],
  "iamSafe": null,
  "canSwitchRole": true,
  "isLocked": true,
  "lastLogin": "2022-05-24T17:41:03Z",
  "permissions": null,
  "calculatedPermissions": null,
  "isMobileDevicePaired": true,
  "mfaEnforcement": null
}
```

create_user (*email, name, surname=""*)

Create user in Dome9

Parameters

- **email** (*str*) – User email of the new user

- **name** (*str*) – Name of the new user
- **surname** (*str*, *optional*) – Surname of the new user. Defaults to ""

Returns User object. Ref: /docs/source/schemas/User.json

Return type dict

Response object:

```
{
  "id": 0,
  "name": "string",
  "email": "MyName@gmail.com",
  "accountId": 0,
  "isSuspended": true,
  "isOwner": true,
  "isSuperUser": true,
  "isAuditor": true,
  "hasApiKey": true,
  "hasApiKeyV1": true,
  "hasApiKeyV2": true,
  "isMfaEnabled": true,
  "ssoEnabled": true,
  "roleIds": [
    0
  ],
  "iamSafe": null,
  "canSwitchRole": true,
  "isLocked": true,
  "lastLogin": "2022-05-24T17:41:03Z",
  "permissions": null,
  "calculatedPermissions": null,
  "isMobileDevicePaired": true,
  "mfaEnforcement": null
}
```

delete_user (*userId*)

Delete a user in Dome9

Parameters **userId** (*str*) – Id of the user

Returns bool

Dome9 is a web service that allows you to improve the security of your cloud technologies (AWS, Azure, GCP, Kubernetes, etc...). Through its service you can centralize all the information and perform security controls (GDPR, HIPAA, ISO27001...) individually or globally.

This repository contains a Python SDK of this tool. Initially its SDK did not have much functionality and that is why I developed this one to be able to work and include it within my continuous integration processes.

CHAPTER 9

Installation

```
pip install dome9
```


CHAPTER 10

Usage

```
from dome9 import Dome9

dome9 = Dome9(key='xxxxxx', secret='yyyyyyy')

rulesets = dome9.list_rulesets()
```


CHAPTER 11

Authentication

There are two ways to authenticate:

- **As Arguments:** Passing variables on init -> **Dome9(key='xxxxxx', secret='yyyyyyy')**
- **As Environment variables:** Setting your credentials as environment variables -> **DOME9_ACCESS_KEY** and **DOME9_SECRET_KEY**

Example:

```
from dome9 import Dome9

dome9 = Dome9(key='xxxxxx', secret='yyyyyyy')

rulesets = dome9.list_rulesets()
```

```
export DOME9_ACCESS_KEY='xxxxxxxxxxxxxxxxxxxxxx'
export DOME9_SECRET_KEY='yyyyyyyyyyyyyyyyyyyy'
python -c "from dome9 import Dome9; print(Dome9().list_rulesets())"
```


CHAPTER 12

Agile

```
import json
from dome9 import Dome9

cloudAccount = '00000-00000-00000-00000'

d9 = Dome9()

rulesetTemplate = {}
with open('ruleset','r') as f:
    rulesetTemplate = json.loads(f.read())

# Step 1. Create ruleset
ruleset = d9.create_ruleset(rulesetTemplate)

# Step 2. Run Assessment
results = d9.run_assessment(rulesetId=ruleset['id'], cloudAccountId=cloudAccount)

# Step 3. Delete ruleset
ruleset = d9.delete_ruleset(ruleset['id'])
```


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