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# **Dome9 Documentation**

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**Jun 03, 2022**



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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*, *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
- **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,

```

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```

        "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"
        }
    },
    "testEntities": {
        "notSupported": [{}],
        "instance": [{}],

```

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```

"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": [{}],
"vpnConnection": [{}],
"ecsTask": [{}],
"customerGateway": [{}],
"gcpSecurityGroup": [{}],

```

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```

    "elasticIP": [{}],
    "iamInstanceProfile": [{}],
    "storageBucket": [{}],
    "ecsService": [{}],
    "project": [{}],
    "serviceAccount": [{}],
    "kmsKeyRing": [{}],
    "dataWarehouse": [{}],
    "guardDutyDetector": [{}],
    "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",

```

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```

        "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,
          "isValid": true,
          "isExcluded": true,
          "exclusionId": "00000000-0000-0000-0000-000000000000",
          "remediationId": "00000000-0000-0000-0000-000000000000",

```

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```

        "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": [{}],
    "vpc": [{}],
    "subnet": [{}],
    "s3Bucket": [{}],
    "applicationLoadBalancer": [{}],

```

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```

    "iamUser": [{}],
    "iamRole": [{}],
    "iam": [{}],
    "redshift": [{}],
    "kms": [{}],
    "default": [{}],
    "vmInstance": [{}],
    "iamGroup": [{}],
    "efs": [{}],
    "network": [{}],
    "elasticCache": [{}],
    "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": [{}],

```

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```

    "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
}

```

## 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 &amp; 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
  }
}

```

**create\_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**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": {

```

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```

        "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
        }
    ],
    "type": [

```

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```

    {
      "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",
      "count": 291
    }
  ]
}

```

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```

        },
        {
            "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",
    "showBundle": true,

```

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```
"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",  
  "updatedTime": "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",
  "updatedTime": "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*, *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
- **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",
    "complianceTag": "string",
    "domain": "string",
    "priority": "string",

```

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```

        "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": [{}],
    "elasticache": [{}],
    "loadBalancer": [{}],
    "vNet": [{}],

```

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```

"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": [{}],
"routeTable": [{}],
"gkeCluster": [{}],
"postgresql": [{}],
"vpcFlowLog": [{}],
"iamAccountSummary": [{}],
"sageMakerNotebook": [{}],
"containerRegistry": [{}],
"inspector": [{}],
"kmsAliases": [{}],
"passwordPolicy": [{}],

```

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```

    "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",

```

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```

        "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"
        },
        "region": {
            "srl": "string",
            "name": "string",

```

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```

        "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": [{}],
    "ecsTaskDefinition": [{}],
    "iamPolicy": [{}],
    "volume": [{}],
    "cloudFront": [{}],
    "kinesis": [{}],
    "iamServerCertificate": [{}],
    "route53HostedZone": [{}],
    "route53RecordSetGroup": [{}],
    "acmCertificate": [{}],

```

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```

"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": [{}],
"policyAssignment": [{}],
"kubernetesNetworkPolicy": [{}],
"kubernetesIngress": [{}],
"kubernetesPodSecurityPolicy": [{}],

```

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```

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

```

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```
"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",
  "name": "string",
  "externalAccountNumber": "string",
  "error": "string",
}
```

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```

"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",
  "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": {
      "rolesArns": [
        "string"
      ],
      "usersArns": [
        "string"
      ]
    }
  }
},
```

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```

"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
}

```

**create\_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

**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",  
  "updatedTime": "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*, *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
- **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",
    "complianceTag": "string",
    "domain": "string",
    "priority": "string",

```

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```

        "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": [{}],
    "elastiCache": [{}],
    "loadBalancer": [{}],
    "vNet": [{}],

```

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```

"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": [{}],
"routeTable": [{}],
"gkeCluster": [{}],
"postgresql": [{}],
"vpcFlowLog": [{}],
"iamAccountSummary": [{}],
"sageMakerNotebook": [{}],
"containerRegistry": [{}],
"inspector": [{}],
"kmsAliases": [{}],
"passwordPolicy": [{}],

```

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```

    "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",

```

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```

        "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"
        },
        "region": {
            "srl": "string",
            "name": "string",

```

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```

        "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": [{}],
    "ecsTaskDefinition": [{}],
    "iamPolicy": [{}],
    "volume": [{}],
    "cloudFront": [{}],
    "kinesis": [{}],
    "iamServerCertificate": [{}],
    "route53HostedZone": [{}],
    "route53RecordSetGroup": [{}],
    "acmCertificate": [{}],

```

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```

"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": [{}],
"policyAssignment": [{}],
"kubernetesNetworkPolicy": [{}],
"kubernetesIngress": [{}],
"kubernetesPodSecurityPolicy": [{}],

```

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```

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

```

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```
"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'])
```





## CHAPTER 13

---

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