SCOPE

ON-PREM DOCUMENTATION

# ScopeAR Kubernetes API Reference (k8s.scopear.com/v1)

| | |
|---|---|
| **Version** | 3.97.2 |
| **Channel** | on-prem |
| **Mode** | build |
| **Revision** | ed3e46e |
| **Generated** | 2026-09-11 |

Confidential · For authorized Scope AR customers and partners

## Contents

How to read this reference

**API Reference**

- Packages
- k8s.scopear.com/v1
  - Resource Types
  - AI Config
  - AI Config Storage
  - AI Spec
  - C2 Api
  - C2 Client
  - C2 Config
  - C2 Config CAD Pipeline
  - C2 Config Storage
  - C2 Model Converter
  - C2 Project Packager
  - C2 Spec
  - C2 Webapp
  - Cluster Provider
  - Cluster Spec
  - Cluster Type
  - Cms Api
  - Cms Auth Method
  - Cms Config
  - Cms Config Admin
  - Cms Config Coturn
  - Cms Config LDAP
  - Cms Config Metabase
  - Cms Config Mysql
  - Cms Config Open ID
  - Cms Config Redis
  - Cms Config SMTP
  - Cms Config Sentry
  - Cms Config Storage

Cms Config Twilio
Cms Config Zeus
Cms Email Format
Cms SMTP Auth Type
Cms SMTP Openssl Verify Mode
Cms Sidekiq
Cms Spec
Common
Config Airbrake
Config Hubspot
Config MQTT
Config MongoDB
Config Simulator
Coturn Config
Coturn Spec
DT Spec
GWL Spec
IOT Config
IOT Spec
Image
Minio Spec
MongoDB Spec
My SQL Spec
Postgres Spec
Qdrant Spec
Rails Env
Redis Spec
Release Channel
ScopeAR
ScopeAR Spec
Superset Config
Superset Spec

- XMPP Spec
- Zeus Config
- Zeus Config Redis
- Zeus Spec

Samples

- `scopear_k8s_onprem_sample.yaml`
- `scopear_k8s_sample.yaml`
- `scopear_k8s_eks_sample.yaml`

## How to read this reference

This document is the generated field reference for the ScopeAR custom resource (`apiVersion: k8s.scopear.com/v1`, `kind: ScopeAR`). It is the canonical list of configuration keys, allowed values, and defaults for environment manifests.

- **Field** — YAML key under the parent object.
- **Type** — Scalar, object, or array; linked names are defined later in this document.
- **Req** — `Yes` must be set; `No` is optional (often has a default).
- **Default** — Value applied when the field is omitted (when known).
- **Description** — Behaviour, constraints, and operational notes.

Complete example manifests are in the **Samples** appendix and also ship as raw YAML files next to these PDFs (`samples/`).

---

# API Reference

## Packages

- k8s.scopear.com/v1

## k8s.scopear.com/v1

Package v1 contains API Schema definitions for the v1 API group

### Resource Types

- Scope AR

### AI Config

AIConfig configures integrations used by the AI service.

**Appears in** - AI Spec

| FIELD | TYPE | REQ | DEFAULT | DESCRIPTION |
|---|---|---|---|---|
| `qdrant_url` | string | No | `http://qdrant:6333` | Sets the URL of the Qdrant service. |

| FIELD | TYPE | REQ | DEFAULT | DESCRIPTION |
|---|---|---|---|---|
| `helicone_api_url` | string | No | `https://oai.hconeai.com/v1` | Sets the Helicone-compatible API URL used for OpenAI requests. |
| `true_openai_queries` | boolean | Yes | `false` | Controls whether queries are sent directly to OpenAI. |
| `mongodb` | Config Mongo DB | No | | Configures the MongoDB connection used by the AI service. |
| `storage` | AI Config Storage | No | | Configures object storage used by the AI service. |
| `airbrake` | Config Airbrake | No | | Configures Airbrake error reporting for the AI service. |
| `istio_injection` | boolean | No | `false` | Enables Istio sidecar injection for the AI workload. |

## AI Config Storage

AIConfigStorage configures object storage used by the AI service.

**Appears in** - AI Config

| FIELD | TYPE | REQ | DEFAULT | DESCRIPTION |
|---|---|---|---|---|
| `provider` | string | Yes | `aws` | Selects the object storage provider. |
| `bucket_name` | string | No | | Sets the object storage bucket name. |
| `minio_server_address` | string | No | `minio` | Sets the MinIO server address. |
| `minio_server_port` | integer | No | `443` | Sets the MinIO server port. |
| `minio_server_use_ssl` | boolean | No | `true` | Controls whether the MinIO connection uses TLS. |

## AI Spec

AISpec configures the ScopeAR AI service.

**Appears in** - Scope AR Spec

| FIELD | TYPE | REQ | DEFAULT | DESCRIPTION |
|---|---|---|---|---|
| `enabled` | boolean | No | `false` | Enables the AI service. |

| FIELD | TYPE | REQ | DEFAULT | DESCRIPTION |
|---|---|---|---|---|
| `replicas` | integer | No | `1 or the environment-wide replicas value` | Sets the desired number of pod replicas for the component.<br>Override the environment-wide replica count when this workload has different availability or capacity requirements. |
| `resources` | ResourceRequirements | No | | Specifies Kubernetes CPU, memory, and other resource requests and limits for the component's containers.<br>Set requests for predictable scheduling and limits to constrain usage; tune values to the workload and available on-premises or cloud capacity. |
| `affinity` | Affinity | No | | Defines Kubernetes node and pod affinity rules for scheduling the component.<br>Use it to place workloads on labeled node pools or across failure domains; overly restrictive rules can leave pods unschedulable.<br>[ *example:* `\{"nodeAffinity":\{"requiredDuringSchedulingIgnoredDuringExecution":\{"nodeSelectorTerms":[]\}\}\}` ] |
| `securityContext` | PodSecurityContext | No | | Defines pod-level security attributes shared by the component's containers.<br>Set user, group, filesystem, and seccomp options to satisfy the target cluster's security policy; incompatible IDs can prevent mounted volumes from working. |
| `storage_size` | string | No | `10Gi` | Sets the requested capacity for the component's persistent volume.<br>Increase it for production data growth; shrinking an existing claim is generally unsupported by Kubernetes storage providers. |
| `storage_class_name` | string | No | | Selects the Kubernetes StorageClass used for the component's persistent volume claim.<br>Set it when the cluster default is unsuitable or absent; confirm the class exists and supports the access mode required by the workload. |
| `config` | AI Config | No | | Configures AI service integrations and storage. |

## C2 Api

C2Api defines the desired state of the Create2 API workload.

### Appears in - C 2 Spec

| FIELD | TYPE | REQ | DEFAULT | DESCRIPTION |
|---|---|---|---|---|
| `replicas` | integer | No | `1 or the environment-wide replicas value` | Sets the desired number of pod replicas for the component.<br>Override the environment-wide replica count when this workload has different availability or capacity requirements. |

| FIELD | TYPE | REQ | DEFAULT | DESCRIPTION |
|---|---|---|---|---|
| `resources` | ResourceRequirements | No | | Specifies Kubernetes CPU, memory, and other resource requests and limits for the component's containers.<br>Set requests for predictable scheduling and limits to constrain usage; tune values to the workload and available on-premises or cloud capacity. |
| `affinity` | Affinity | No | | Defines Kubernetes node and pod affinity rules for scheduling the component.<br>Use it to place workloads on labeled node pools or across failure domains; overly restrictive rules can leave pods unschedulable.<br>[ *example:* `\{"nodeAffinity":\{"requiredDuringSchedulingIgnoredDuringExecution":\{"nodeSelectorTerms":[]\}\}\}` ] |
| `securityContext` | PodSecurityContext | No | | Defines pod-level security attributes shared by the component's containers.<br>Set user, group, filesystem, and seccomp options to satisfy the target cluster's security policy; incompatible IDs can prevent mounted volumes from working. |
| `storage_size` | string | No | `10Gi` | Sets the requested capacity for the component's persistent volume.<br>Increase it for production data growth; shrinking an existing claim is generally unsupported by Kubernetes storage providers. |
| `storage_class_name` | string | No | | Selects the Kubernetes StorageClass used for the component's persistent volume claim.<br>Set it when the cluster default is unsuitable or absent; confirm the class exists and supports the access mode required by the workload. |
| `airbrake` | Config Airbrake | No | | Configures Airbrake error reporting for the Create2 API. |

## C2 Client

C2Client defines the desired state of the Create2 client workload.

### Appears in - C 2 Spec

| FIELD | TYPE | REQ | DEFAULT | DESCRIPTION |
|---|---|---|---|---|
| `replicas` | integer | No | `1 or the environment-wide replicas value` | Sets the desired number of pod replicas for the component.<br>Override the environment-wide replica count when this workload has different availability or capacity requirements. |
| `resources` | ResourceRequirements | No | | Specifies Kubernetes CPU, memory, and other resource requests and limits for the component's containers.<br>Set requests for predictable scheduling and limits to constrain usage; tune values to the workload and available on-premises or cloud capacity. |

| FIELD | TYPE | REQ | DEFAULT | DESCRIPTION |
|---|---|---|---|---|
| `affinity` | Affinity | No | | Defines Kubernetes node and pod affinity rules for scheduling the component.<br>Use it to place workloads on labeled node pools or across failure domains; overly restrictive rules can leave pods unschedulable.<br>[ *example:* `\{"nodeAffinity":\{"requiredDuringSchedulingIgnoredDuringExecution":\{"nodeSelectorTerms":[]\}\}\}` ] |
| `securityContext` | PodSecurity Context | No | | Defines pod-level security attributes shared by the component's containers.<br>Set user, group, filesystem, and seccomp options to satisfy the target cluster's security policy; incompatible IDs can prevent mounted volumes from working. |
| `storage_size` | string | No | `10Gi` | Sets the requested capacity for the component's persistent volume.<br>Increase it for production data growth; shrinking an existing claim is generally unsupported by Kubernetes storage providers. |
| `storage_class_name` | string | No | | Selects the Kubernetes StorageClass used for the component's persistent volume claim.<br>Set it when the cluster default is unsuitable or absent; confirm the class exists and supports the access mode required by the workload. |
| `airbrake` | Config Airbrake | No | | Configures Airbrake error reporting for the Create2 client. |
| `analytics` | boolean | No | `false` | Enables collection of client analytics. |

## C2 Config

C2Config defines Create2 application behavior and external-service integrations.

### Appears in - C 2 Spec

| FIELD | TYPE | REQ | DEFAULT | DESCRIPTION |
|---|---|---|---|---|
| `slidemaster_enabled` | boolean | No | `true` | Enables the Slidemaster UI template. |
| `userflow_enabled` | boolean | No | `false` | Enables Userflow content rendering. |
| `userflow_env_token` | string | No | | Userflow environment token used to load content. |
| `job_query_time` | integer | No | `100` | Sets how often Create2 polls the job queue, in seconds. |
| `max_upload_file_size` | integer | No | `2000` | Sets the maximum accepted upload size in megabytes. |
| `cad_pipeline` | C 2 Config CAD Pipeline | No | | Configures CAD conversion job processing and its external services. |

| FIELD | TYPE | REQ | DEFAULT | DESCRIPTION |
|---|---|---|---|---|
| `mongodb` | Config Mongo DB | No | | Configures the MongoDB connection used by Create2. |
| `storage` | C 2 Config Storage | No | | Configures object storage used by Create2. |
| `istio_injection` | boolean | No | `false` | Enables Istio sidecar injection for Create2 workloads. |

## C2 Config CAD Pipeline

C2ConfigCADPipeline defines CAD conversion job processing settings.

**Appears in** - C 2 Config

| FIELD | TYPE | REQ | DEFAULT | DESCRIPTION |
|---|---|---|---|---|
| `query_time` | integer | Yes | `10000` | Sets the CAD job polling interval in milliseconds. |
| `processing_mode` | string | No | `none` | Selects the service used to process CAD files. |
| `input_bucket` | string | No | | Sets the Azure Storage container used for CAD input files. |
| `output_bucket` | string | No | | Sets the Azure Storage container used for converted CAD output. |
| `storage_connection_string` | string | No | | Sets the Azure Storage connection string used by the PiXYZ Azure pipeline. |
| `flex_host` | string | No | `flex-op.scopear.com` | Sets the FlexNet Publisher license-server hostname used by local PiXYZ. |
| `flex_port` | integer | No | `27001` | Sets the FlexNet Publisher license-server port used by local PiXYZ. |

## C2 Config Storage

C2ConfigStorage defines the object-storage backend used by Create2.

**Appears in** - C 2 Config

| FIELD | TYPE | REQ | DEFAULT | DESCRIPTION |
|---|---|---|---|---|
| `storage_provider` | string | Yes | `aws` | Selects the object-storage provider used by Create2. |
| `bucket_name` | string | Yes | | Sets the S3 or MinIO bucket used to store Create2 objects. |
| `aws_bucket_region` | string | No | `us-west-2` | Sets the AWS region containing the S3 bucket. |
| `minio_server_address` | string | No | | Sets the externally reachable MinIO server hostname or address. |
| `minio_client_port` | integer | No | `443` | Sets the externally reachable MinIO client port. |

| FIELD | TYPE | REQ | DEFAULT | DESCRIPTION |
|---|---|---|---|---|
| `minio_private_port` | integer | No | `9000` | Sets the cluster-internal MinIO service port. |
| `minio_private_address` | string | No | `minio` | Sets the cluster-internal MinIO service hostname or address. |
| `minio_server_use_ssl` | boolean | No | `true` | Enables TLS for connections to the externally reachable MinIO server. |

## C2 Model Converter

C2ModelConverter defines the desired state of the Create2 model-converter workload.

**Appears in** - C 2 Spec

| FIELD | TYPE | REQ | DEFAULT | DESCRIPTION |
|---|---|---|---|---|
| `replicas` | integer | No | `1 or the environment-wide replicas value` | Sets the desired number of pod replicas for the component.<br>Override the environment-wide replica count when this workload has different availability or capacity requirements. |
| `resources` | ResourceRequirements | No | | Specifies Kubernetes CPU, memory, and other resource requests and limits for the component's containers.<br>Set requests for predictable scheduling and limits to constrain usage; tune values to the workload and available on-premises or cloud capacity. |
| `affinity` | Affinity | No | | Defines Kubernetes node and pod affinity rules for scheduling the component.<br>Use it to place workloads on labeled node pools or across failure domains; overly restrictive rules can leave pods unschedulable.<br>[ *example:* `\{"nodeAffinity":\{"requiredDuringSchedulingIgnoredDuringExecution":\{"nodeSelectorTerms":[]\}\}\}` ] |
| `securityContext` | PodSecurityContext | No | | Defines pod-level security attributes shared by the component's containers.<br>Set user, group, filesystem, and seccomp options to satisfy the target cluster's security policy; incompatible IDs can prevent mounted volumes from working. |
| `storage_size` | string | No | `10Gi` | Sets the requested capacity for the component's persistent volume.<br>Increase it for production data growth; shrinking an existing claim is generally unsupported by Kubernetes storage providers. |
| `storage_class_name` | string | No | | Selects the Kubernetes StorageClass used for the component's persistent volume claim.<br>Set it when the cluster default is unsuitable or absent; confirm the class exists and supports the access mode required by the workload. |

| FIELD | TYPE | REQ | DEFAULT | DESCRIPTION |
|---|---|---|---|---|
| `airbrake` | Config Airbrake | No | | Configures Airbrake error reporting for the model converter. |

## C2 Project Packager

C2ProjectPackager defines the desired state of the Create2 project-packager workload.

**Appears in** - C 2 Spec

| FIELD | TYPE | REQ | DEFAULT | DESCRIPTION |
|---|---|---|---|---|
| `replicas` | integer | No | `1 or the environment-wide replicas value` | Sets the desired number of pod replicas for the component.<br>Override the environment-wide replica count when this workload has different availability or capacity requirements. |
| `resources` | ResourceRequirements | No | | Specifies Kubernetes CPU, memory, and other resource requests and limits for the component's containers.<br>Set requests for predictable scheduling and limits to constrain usage; tune values to the workload and available on-premises or cloud capacity. |
| `affinity` | Affinity | No | | Defines Kubernetes node and pod affinity rules for scheduling the component.<br>Use it to place workloads on labeled node pools or across failure domains; overly restrictive rules can leave pods unschedulable.<br>[ *example:* `\{"nodeAffinity":\{"requiredDuringSchedulingIgnoredDuringExecution":\{"nodeSelectorTerms":[]\}\}\}` ] |
| `securityContext` | PodSecurityContext | No | | Defines pod-level security attributes shared by the component's containers.<br>Set user, group, filesystem, and seccomp options to satisfy the target cluster's security policy; incompatible IDs can prevent mounted volumes from working. |
| `storage_size` | string | No | `10Gi` | Sets the requested capacity for the component's persistent volume.<br>Increase it for production data growth; shrinking an existing claim is generally unsupported by Kubernetes storage providers. |
| `storage_class_name` | string | No | | Selects the Kubernetes StorageClass used for the component's persistent volume claim.<br>Set it when the cluster default is unsuitable or absent; confirm the class exists and supports the access mode required by the workload. |
| `airbrake` | Config Airbrake | No | | Configures Airbrake error reporting for the project packager. |

## C2 Spec

C2Spec defines the desired state of Create2 services and application configuration.

**Appears in** - Scope AR Spec

| FIELD | TYPE | REQ | DEFAULT | DESCRIPTION |
|---|---|---|---|---|
| `enabled` | boolean | No | `true` | Enables deployment of the Create2 application. |
| `eksRoleArn` | string | No | | AWS IAM role ARN assumed by Create2 workloads running on EKS. |
| `api` | C 2 Api | No | | Configures the Create2 API workload. |
| `client` | C 2 Client | No | | Configures the Create2 client workload. |
| `webapp` | C 2 Webapp | No | | Configures the Create2 web application workload. |
| `model_converter` | C 2 Model Converter | No | | Configures the Create2 model-converter workload. |
| `project_packager` | C 2 Project Packager | No | | Configures the Create2 project-packager workload. |
| `config` | C 2 Config | No | | Configures Create2 application behavior and integrations. |

## C2 Webapp

C2Webapp defines the desired state of the Create2 web application workload.

**Appears in** - C 2 Spec

| FIELD | TYPE | REQ | DEFAULT | DESCRIPTION |
|---|---|---|---|---|
| `replicas` | integer | No | `1 or the environment-wide replicas value` | Sets the desired number of pod replicas for the component.<br>Override the environment-wide replica count when this workload has different availability or capacity requirements. |
| `resources` | ResourceRequirements | No | | Specifies Kubernetes CPU, memory, and other resource requests and limits for the component's containers.<br>Set requests for predictable scheduling and limits to constrain usage; tune values to the workload and available on-premises or cloud capacity. |
| `affinity` | Affinity | No | | Defines Kubernetes node and pod affinity rules for scheduling the component.<br>Use it to place workloads on labeled node pools or across failure domains; overly restrictive rules can leave pods unschedulable.<br>[ *example:* `\{"nodeAffinity":\{"requiredDuringSchedulingIgnoredDuringExecution":\{"nodeSelectorTerms":[]\}\}\}` ] |

| FIELD | TYPE | REQ | DEFAULT | DESCRIPTION |
|---|---|---|---|---|
| `securityContext` | PodSecurity Context | No | | Defines pod-level security attributes shared by the component's containers.<br>Set user, group, filesystem, and seccomp options to satisfy the target cluster's security policy; incompatible IDs can prevent mounted volumes from working. |
| `storage_size` | string | No | `10Gi` | Sets the requested capacity for the component's persistent volume.<br>Increase it for production data growth; shrinking an existing claim is generally unsupported by Kubernetes storage providers. |
| `storage_class_name` | string | No | | Selects the Kubernetes StorageClass used for the component's persistent volume claim.<br>Set it when the cluster default is unsuitable or absent; confirm the class exists and supports the access mode required by the workload. |
| `airbrake` | Config Airbrake | No | | Configures Airbrake error reporting for the Create2 web application. |

## Cluster Provider

*Underlying type:* string

ClusterProvider identifies the infrastructure provider hosting the Kubernetes cluster targeted by a ScopeAR environment manifest.

**Appears in** - Cluster Spec

| VALUE | DESCRIPTION |
|---|---|
| `aws` | |
| `google` | |
| `azure` | |
| `other` | |

## Cluster Spec

ClusterSpec describes the target Kubernetes platform for a ScopeAR environment manifest. Renderers use the provider and cluster type together to select platform-specific defaults and resources.

**Appears in** - Scope AR Spec

| FIELD | TYPE | REQ | DEFAULT | DESCRIPTION |
|---|---|---|---|---|
| `provider` | Cluster Provider | No | `aws` | Selects the infrastructure provider hosting the target cluster.<br>Use other for customer-managed or on-premises infrastructure; keep this consistent with type so generated platform integrations are valid. |

| FIELD | TYPE | REQ | DEFAULT | DESCRIPTION |
|---|---|---|---|---|
| `type` | Cluster Type | No | `eks` | Selects the Kubernetes distribution targeted by the rendered manifests. Match it to provider—for example, eks with aws, gke with google, and aks with azure—and use standalone when no managed distribution applies. |

### Cluster Type

*Underlying type:* string

ClusterType identifies the Kubernetes distribution or provisioning model targeted by a ScopeAR environment manifest.

**Appears in** - Cluster Spec

| VALUE | DESCRIPTION |
|---|---|
| `eks` | |
| `gke` | |
| `aks` | |
| `openshift` | |
| `kops` | |
| `standalone` | |

### Cms Api

CmsApi defines the desired state of the CMS API workload.

**Appears in** - Cms Spec

| FIELD | TYPE | REQ | DEFAULT | DESCRIPTION |
|---|---|---|---|---|
| `replicas` | integer | No | `1 or the environment-wide replicas value` | Sets the desired number of pod replicas for the component.<br>Override the environment-wide replica count when this workload has different availability or capacity requirements. |
| `resources` | ResourceRequirements | No | | Specifies Kubernetes CPU, memory, and other resource requests and limits for the component's containers.<br>Set requests for predictable scheduling and limits to constrain usage; tune values to the workload and available on-premises or cloud capacity. |

| FIELD | TYPE | REQ | DEFAULT | DESCRIPTION |
|---|---|---|---|---|
| `affinity` | Affinity | No | | Defines Kubernetes node and pod affinity rules for scheduling the component.<br>Use it to place workloads on labeled node pools or across failure domains; overly restrictive rules can leave pods unschedulable.<br>[ *example:* `\{"nodeAffinity":\{"requiredDuringSchedulingIgnoredDuringExecution":\{"nodeSelectorTerms":[]\}\}\}` ] |
| `securityContext` | PodSecurity Context | No | | Defines pod-level security attributes shared by the component's containers.<br>Set user, group, filesystem, and seccomp options to satisfy the target cluster's security policy; incompatible IDs can prevent mounted volumes from working. |
| `storage_size` | string | No | `10Gi` | Sets the requested capacity for the component's persistent volume.<br>Increase it for production data growth; shrinking an existing claim is generally unsupported by Kubernetes storage providers. |
| `storage_class_name` | string | No | | Selects the Kubernetes StorageClass used for the component's persistent volume claim.<br>Set it when the cluster default is unsuitable or absent; confirm the class exists and supports the access mode required by the workload. |

## Cms Auth Method

*Underlying type:* string

CmsAuthMethod identifies the authentication backend used by CMS.

**Appears in** - Cms Config

| VALUE | DESCRIPTION |
|---|---|
| `db` | |
| `ldap` | |

## Cms Config

CmsConfig defines CMS application behavior and external-service integrations.

**Appears in** - Cms Spec

| FIELD | TYPE | REQ | DEFAULT | DESCRIPTION |
|---|---|---|---|---|
| `log_level` | string | No | | Controls CMS application log verbosity. |
| `auth_method` | Cms Auth Method | No | `db` | Selects the authentication backend used for CMS users. |

| FIELD | TYPE | REQ | DEFAULT | DESCRIPTION |
|---|---|---|---|---|
| `puma_timeout` | integer | No | `120` | Sets the Puma worker timeout in seconds. |
| `virus_scan_enabled` | boolean | No | `false` | Enables virus scanning for files processed by Paperclip. |
| `jwt_token_verification` | boolean | No | `true` | Enables database-backed JWT token verification. |
| `oauth_redirect_uris_extra` | string | No | | Adds OAuth redirect URIs as a space- or comma-separated list of URLs. |
| `oauth_auth_token_duration` | string | No | | Sets the OAuth access-token lifetime using a duration understood by CMS. |
| `oauth_refresh_token_duration` | string | No | | Sets the OAuth refresh-token lifetime using a duration understood by CMS. |
| `admin_company_oauth_refresh_token_duration` | string | No | | Sets the admin company's OAuth refresh-token lifetime. |
| `gtm_id` | string | No | | Google Tag Manager container ID used by the CMS frontend. |
| `admin` | Cms Config Admin | No | | Configures the initial CMS administrator identity and company. |
| `coturn` | Cms Config Coturn | No | | Configures the Coturn relay advertised to diagnostic clients. |
| `zeus` | Cms Config Zeus | No | | Configures the Zeus service endpoint advertised to diagnostic clients. |
| `ldap` | Cms Config LDAP | No | | Configures LDAP authentication support. |
| `metabase` | Cms Config Metabase | No | | Configures embedded Metabase dashboards. |
| `mysql` | Cms Config Mysql | No | | Configures the MySQL database connection. |
| `open_id` | Cms Config Open ID | No | | Configures OpenID authentication support. |
| `redis` | Cms Config Redis | No | | Configures the Redis connection used by CMS. |
| `sentry` | Cms Config Sentry | No | | Configures Sentry error reporting. |
| `smtp` | Cms Config SMTP | No | | Configures SMTP delivery for outgoing email. |
| `storage` | Cms Config Storage | No | | Configures persistent file and object storage. |

| FIELD | TYPE | REQ | DEFAULT | DESCRIPTION |
|---|---|---|---|---|
| `twilio` | Cms Config Twilio | No | | Configures Twilio-powered phone-number features. |
| `airbrake` | Config Airbrake | No | | Configures Airbrake error reporting for CMS. |
| `userflow_enabled` | boolean | No | `false` | Enables Userflow content rendering. |
| `userflow_env_token` | string | No | | Userflow environment token used to load content. |
| `welcome_email_service` | string | No | | Selects the service used to send welcome emails. |
| `hubspot` | Config Hubspot | No | | Configures the HubSpot integration used for company and lead data. |
| `strip_email_image_attachments` | boolean | No | | Removes inline image attachments from incoming or processed email. |
| `istio_injection` | boolean | No | `false` | Enables Istio sidecar injection for CMS workloads. |

## Cms Config Admin

CmsConfigAdmin defines the initial CMS administrator identity and company details.

**Appears in** - Cms Config

| FIELD | TYPE | REQ | DEFAULT | DESCRIPTION |
|---|---|---|---|---|
| `company_name` | string | No | `Scope AR` | Sets the administrator’s company name. |
| `email_address` | string | No | `support@scopear.com` | Sets the administrator’s email address. |
| `support_admin_email_address` | string | No | `support@scopear.com` | Sets the support administrator’s email address. |
| `first_name` | string | No | `ScopeAR` | Sets the administrator’s first name. |
| `last_name` | string | No | `Support` | Sets the administrator’s last name. |
| `phone_number` | string | No | `780-555-1234` | Sets the administrator’s phone number. |

## Cms Config Coturn

CmsConfigCoturn defines the Coturn relay settings advertised to diagnostic clients.

**Appears in** - Cms Config

| FIELD | TYPE | REQ | DEFAULT | DESCRIPTION |
|---|---|---|---|---|
| `enabled` | boolean | No | `false` | Enables Coturn relay configuration. |
| `enable_multi_region` | boolean | No | `false` | Enables region-aware Coturn relay selection. |
| `label` | string | No | `us-east-1` | Sets the relay label displayed by diagnostic tools. |
| `tunnel_external_host` | string | No | `proxy-aws-us.scopear.com` | Sets the externally reachable tunnel hostname advertised to diagnostic tools. |
| `tunnel_external_port` | integer | No | `443` | Sets the externally reachable tunnel port advertised to diagnostic tools. |
| `turn_external_host` | string | No | `proxy-aws-us.scopear.com` | Sets the externally reachable TURN hostname advertised to diagnostic tools. |
| `turn_external_port` | integer | No | `3478` | Sets the externally reachable TURN port advertised to diagnostic tools. |
| `turn_protocol` | string | No | `udp` | Sets the transport protocol used to connect to the TURN relay. |

## Cms Config LDAP

CmsConfigLDAP defines LDAP authentication settings for CMS.

**Appears in** - Cms Config

| FIELD | TYPE | REQ | DEFAULT | DESCRIPTION |
|---|---|---|---|---|
| `enabled` | boolean | No | `false` | Enables LDAP as an available authentication backend. |

## Cms Config Metabase

CmsConfigMetabase defines embedded Metabase dashboard settings.

**Appears in** - Cms Config

| FIELD | TYPE | REQ | DEFAULT | DESCRIPTION |
|---|---|---|---|---|
| `enabled` | boolean | No | `false` | Enables embedded Metabase dashboards. |
| `hostname` | string | No | | Sets the hostname of the Metabase service. |
| `calling_dashboard_id` | integer | No | `206` | Sets the Metabase dashboard ID used for calling analytics. |
| `scenario_dashboard_id` | integer | No | `204` | Sets the Metabase dashboard ID used for scenario analytics. |
| `company_dashboard_id` | integer | No | `330` | Sets the Metabase dashboard ID used for company analytics. |

### Cms Config Mysql

CmsConfigMysql defines the MySQL database connection used by CMS.

**Appears in** - Cms Config

| FIELD | TYPE | REQ | DEFAULT | DESCRIPTION |
|---|---|---|---|---|
| `host` | string | Yes | `scopear-mysql.mysql.svc.cluster.local` | Sets the MySQL server hostname or address. |
| `port` | integer | No | `3306` | Sets the MySQL server port. |
| `database` | string | No | `scopear_cms` | Sets the MySQL database name. |
| `username` | string | No | `scopecms` | Sets the MySQL username. |
| `use_iam_auth` | boolean | No | `false` | Enables AWS IAM database authentication instead of password authentication. |
| `aws_rds_region` | string | No | `us-west-2` | Sets the AWS region of the RDS instance used for IAM authentication. |
| `aws_iam_auth_type` | string | No | `instance_profile_credentials` | Selects how CMS obtains AWS credentials for RDS IAM authentication. |

### Cms Config Open ID

CmsConfigOpenID defines OpenID authentication settings for CMS.

**Appears in** - Cms Config

| FIELD | TYPE | REQ | DEFAULT | DESCRIPTION |
|---|---|---|---|---|
| `enabled` | boolean | No | `false` | Enables OpenID as an available authentication backend. |

### Cms Config Redis

CmsConfigRedis defines the Redis connection used by CMS.

**Appears in** - Cms Config

| FIELD | TYPE | REQ | DEFAULT | DESCRIPTION |
|---|---|---|---|---|
| `host` | string | No | `scopear-redis.redis.svc.cluster.local` | Sets the Redis server hostname or address. |
| `port` | integer | No | `6379` | Sets the Redis server port. |
| `database` | integer | No | `0` | Selects the logical Redis database. |

### Cms Config SMTP

CmsConfigSMTP defines outgoing email delivery settings.

**Appears in** - Cms Config

| FIELD | TYPE | REQ | DEFAULT | DESCRIPTION |
|---|---|---|---|---|
| `enabled` | boolean | No | `false` | Enables SMTP delivery for outgoing email. |
| `server_host` | string | No | | Sets the SMTP server hostname or address. |
| `server_port` | integer | No | | Sets the SMTP server port. |
| `sender_address` | string | No | | Sets the sender address used for outgoing email. |
| `ehlo_domain` | string | No | | Sets the domain sent in the SMTP EHLO command. |
| `username` | string | No | | Sets the username used to authenticate to the SMTP server. |
| `auth_type` | Cms SMTP Auth Type | No | `plain` | Selects the SMTP authentication mechanism. |
| `openssl_verify_mode` | Cms SMTP Openssl Verify Mode | No | `none` | Selects how OpenSSL verifies the SMTP server certificate. |
| `enable_starttls_auto` | boolean | No | `true` | Automatically upgrades SMTP connections with STARTTLS when supported. |
| `email_format` | Cms Email Format | No | `all` | Selects which message formats CMS generates for outgoing email. |

### Cms Config Sentry

CmsConfigSentry defines Sentry error-reporting settings.

**Appears in** - Cms Config

| FIELD | TYPE | REQ | DEFAULT | DESCRIPTION |
|---|---|---|---|---|
| `enabled` | boolean | No | `false` | Enables Sentry error reporting. |
| `host` | string | No | | Sets the Sentry host or DSN consumed by CMS. |

### Cms Config Storage

CmsConfigStorage defines persistent file and object-storage settings for CMS.

**Appears in** - Cms Config

| FIELD | TYPE | REQ | DEFAULT | DESCRIPTION |
|---|---|---|---|---|
| `file_storage` | string | No | `s3` | Selects the storage backend used for CMS files. |

| FIELD | TYPE | REQ | DEFAULT | DESCRIPTION |
|---|---|---|---|---|
| `storage_size` | string | No | `100Gi` | Sets the requested persistent-volume size when `file_storage` is `local`. |
| `storage_class_name` | string | No | | Sets the Kubernetes StorageClass used for dynamically provisioned local storage. |
| `volume_name` | string | No | | Binds local storage to an existing PersistentVolume when dynamic provisioning is unavailable. |
| `volume_mode` | string | No | | Sets the Kubernetes persistent-volume mode for local storage. |
| `default_bucket` | string | No | `scopear-data` | Sets the default S3 or MinIO bucket used when no regional bucket applies. |
| `storage_ssl_verify` | boolean | No | `true` | Enables TLS certificate verification for S3 or MinIO connections. |
| `default_region` | string | No | `us-west-2` | Sets the AWS region associated with the default S3 bucket. |
| `enable_multi_region` | boolean | No | `false` | Enables routing content and uploads to region-specific S3 buckets. |
| `s3_content_ap_northeast_1_bucket` | string | No | | Sets the content bucket for the AWS `ap-northeast-1` region. Used when multi-region storage is enabled. |
| `s3_content_ca_central_1_bucket` | string | No | | Sets the content bucket for the AWS `ca-central-1` region. Used when multi-region storage is enabled. |
| `s3_content_eu_central_1_bucket` | string | No | | Sets the content bucket for the AWS `eu-central-1` region. Used when multi-region storage is enabled. |
| `s3_content_eu_west_1_bucket` | string | No | | Sets the content bucket for the AWS `eu-west-1` region. Used when multi-region storage is enabled. |
| `s3_content_eu_west_2_bucket` | string | No | | Sets the content bucket for the AWS `eu-west-2` region. Used when multi-region storage is enabled. |
| `s3_content_us_west_2_bucket` | string | No | | Sets the content bucket for the AWS `us-west-2` region. Used when multi-region storage is enabled. |
| `s3_upload_ap_northeast_1_bucket` | string | No | | Sets the upload bucket for the AWS `ap-northeast-1` region. Used when multi-region storage is enabled. |
| `s3_upload_ca_central_1_bucket` | string | No | | Sets the upload bucket for the AWS `ca-central-1` region. Used when multi-region storage is enabled. |
| `s3_upload_eu_central_1_bucket` | string | No | | Sets the upload bucket for the AWS `eu-central-1` region. Used when multi-region storage is enabled. |
| `s3_upload_eu_west_1_bucket` | string | No | | Sets the upload bucket for the AWS `eu-west-1` region. Used when multi-region storage is enabled. |
| `s3_upload_eu_west_2_bucket` | string | No | | Sets the upload bucket for the AWS `eu-west-2` region. Used when multi-region storage is enabled. |

| FIELD | TYPE | REQ | DEFAULT | DESCRIPTION |
|---|---|---|---|---|
| `s3_upload_us_west_2_bucket` | string | No | | Sets the upload bucket for the AWS `us-west-2` region.<br>Used when multi-region storage is enabled. |

### Cms Config Twilio

CmsConfigTwilio defines Twilio-powered phone-number feature settings.

**Appears in** - Cms Config

| FIELD | TYPE | REQ | DEFAULT | DESCRIPTION |
|---|---|---|---|---|
| `enabled` | boolean | No | `false` | Enables the Twilio integration. |
| `validate_phone_numbers` | boolean | No | `false` | Uses Twilio to validate user phone numbers. |

### Cms Config Zeus

CmsConfigZeus defines the Zeus endpoint advertised to diagnostic clients.

**Appears in** - Cms Config

| FIELD | TYPE | REQ | DEFAULT | DESCRIPTION |
|---|---|---|---|---|
| `enabled` | boolean | No | `false` | Enables Zeus endpoint configuration. |
| `external_host` | string | No | `master.scopear.com` | Sets the externally reachable Zeus hostname advertised to diagnostic tools. |
| `external_port` | integer | No | `24000` | Sets the externally reachable Zeus port advertised to diagnostic tools. |

### Cms Email Format

*Underlying type:* string

CmsEmailFormat identifies the message formats generated for outgoing email.

**Appears in** - Cms Config SMTP

| VALUE | DESCRIPTION |
|---|---|
| `all` | |
| `text_only` | |

### Cms SMTP Auth Type

*Underlying type:* string

CmsSMTPAuthType identifies the authentication mechanism used with the SMTP server.

**Appears in** - Cms Config SMTP

| VALUE | DESCRIPTION |
|---|---|
| `none` | |
| `plain` | |
| `login` | |
| `cram_md5` | |

## Cms SMTP Openssl Verify Mode

*Underlying type:* string

CmsSMTPOpensslVerifyMode identifies how CMS verifies SMTP TLS certificates.

**Appears in** - Cms Config SMTP

| VALUE | DESCRIPTION |
|---|---|
| `none` | |
| `peer` | |
| `client_once` | |
| `fail_if_no_peer_cert` | |

## Cms Sidekiq

CmsSidekiq defines the desired state of the CMS Sidekiq background-worker workload.

**Appears in** - Cms Spec

| FIELD | TYPE | REQ | DEFAULT | DESCRIPTION |
|---|---|---|---|---|
| `replicas` | integer | No | `1 or the environment-wide replicas value` | Sets the desired number of pod replicas for the component.<br>Override the environment-wide replica count when this workload has different availability or capacity requirements. |
| `resources` | ResourceRequirements | No | | Specifies Kubernetes CPU, memory, and other resource requests and limits for the component's containers.<br>Set requests for predictable scheduling and limits to constrain usage; tune values to the workload and available on-premises or cloud capacity. |

| FIELD | TYPE | REQ | DEFAULT | DESCRIPTION |
|---|---|---|---|---|
| `affinity` | Affinity | No | | Defines Kubernetes node and pod affinity rules for scheduling the component.<br>Use it to place workloads on labeled node pools or across failure domains; overly restrictive rules can leave pods unschedulable.<br>[ *example:* `\{"nodeAffinity":\{"requiredDuringSchedulingIgnoredDuringExecution":\{"nodeSelectorTerms":[]\}\}\}` ] |
| `securityContext` | PodSecurity Context | No | | Defines pod-level security attributes shared by the component's containers.<br>Set user, group, filesystem, and seccomp options to satisfy the target cluster's security policy; incompatible IDs can prevent mounted volumes from working. |
| `storage_size` | string | No | `10Gi` | Sets the requested capacity for the component's persistent volume.<br>Increase it for production data growth; shrinking an existing claim is generally unsupported by Kubernetes storage providers. |
| `storage_class_name` | string | No | | Selects the Kubernetes StorageClass used for the component's persistent volume claim.<br>Set it when the cluster default is unsuitable or absent; confirm the class exists and supports the access mode required by the workload. |

## Cms Spec

CmsSpec defines the desired state of the CMS services and their application configuration.

**Appears in** - Cms Spec - Scope AR Spec

| FIELD | TYPE | REQ | DEFAULT | DESCRIPTION |
|---|---|---|---|---|
| `eksRoleArn` | string | No | | AWS IAM role ARN assumed by CMS workloads running on EKS. |
| `api` | Cms Api | No | | Configures the CMS API workload. |
| `sidekiq` | Cms Sidekiq | No | | Configures the CMS Sidekiq background-worker workload. |
| `config` | Cms Config | No | | Configures CMS application behavior and integrations. |
| `overlays` | object (keys:string, values:Cms Spec) | No | | Defines named CMS specification overlays that can override this base configuration. |

## Common

Common defines workload settings shared by component specifications in a ScopeAR environment manifest. Components inherit these scaling, scheduling, security, resource, and persistence settings unless they provide overrides.

**Appears in** - AI Spec - C 2 Api - C 2 Client - C 2 Model Converter - C 2 Project Packager - C 2 Webapp - Cms Api - Cms Sidekiq - Coturn Spec - DT Spec - GWL Spec - IOT Spec - Qdrant Spec - Superset Spec - XMPP Spec - Zeus Spec

| FIELD | TYPE | REQ | DEFAULT | DESCRIPTION |
|---|---|---|---|---|
| `replicas` | integer | No | `1 or the environment-wide replicas value` | Sets the desired number of pod replicas for the component.<br>Override the environment-wide replica count when this workload has different availability or capacity requirements. |
| `resources` | ResourceRequirements | No | | Specifies Kubernetes CPU, memory, and other resource requests and limits for the component's containers.<br>Set requests for predictable scheduling and limits to constrain usage; tune values to the workload and available on-premises or cloud capacity. |
| `affinity` | Affinity | No | | Defines Kubernetes node and pod affinity rules for scheduling the component.<br>Use it to place workloads on labeled node pools or across failure domains; overly restrictive rules can leave pods unschedulable.<br>[ *example:* `\{"nodeAffinity":\{"requiredDuringSchedulingIgnoredDuringExecution":\{"nodeSelectorTerms":[]\}\}\}` ] |
| `securityContext` | PodSecurityContext | No | | Defines pod-level security attributes shared by the component's containers.<br>Set user, group, filesystem, and seccomp options to satisfy the target cluster's security policy; incompatible IDs can prevent mounted volumes from working. |
| `storage_size` | string | No | `10Gi` | Sets the requested capacity for the component's persistent volume.<br>Increase it for production data growth; shrinking an existing claim is generally unsupported by Kubernetes storage providers. |
| `storage_class_name` | string | No | | Selects the Kubernetes StorageClass used for the component's persistent volume claim.<br>Set it when the cluster default is unsuitable or absent; confirm the class exists and supports the access mode required by the workload. |

## Config Airbrake

ConfigAirbrake defines optional Airbrake error-reporting integration settings embedded in component specifications. Environment manifests use it to enable reporting and identify the destination project and deployment environment.

**Appears in** - AI Config - C 2 Api - C 2 Client - C 2 Model Converter - C 2 Project Packager - C 2 Webapp - Cms Config

| FIELD | TYPE | REQ | DEFAULT | DESCRIPTION |
|---|---|---|---|---|
| `enabled` | boolean | No | `false` | Enables delivery of component errors to Airbrake.<br>Turn it on only after env, project_id, and project_key are configured; leave it disabled for disconnected on-premises environments without Airbrake access. |
| `env` | string | No | | Labels Airbrake notices with the deployment environment.<br>Set a stable value that distinguishes production, staging, and customer installations when Airbrake is enabled. |
| `project_id` | integer | No | | Identifies the Airbrake project that receives error notices.<br>Set it with project_key when Airbrake is enabled and verify that both credentials refer to the same project. |
| `project_key` | string | No | | Authenticates error notices sent to the configured Airbrake project.<br>Treat this value as a secret and prefer protected manifest or secret-management workflows instead of committing it to source control. |

## Config Hubspot

ConfigHubspot defines the credentials and metadata used by the HubSpot integration.

**Appears in** - Cms Config

| FIELD | TYPE | REQ | DEFAULT | DESCRIPTION |
|---|---|---|---|---|
| `api_token` | string | No | | Sets the HubSpot private-app access token. |
| `company_name` | string | No | | Sets the company name associated with records created in HubSpot. |
| `user_lead_stage_id` | string | No | | Sets the HubSpot lead-stage ID assigned to CMS users. |

## Config MQTT

ConfigMQTT configures the MQTT broker connection.

**Appears in** - IOT Config

| FIELD | TYPE | REQ | DEFAULT | DESCRIPTION |
|---|---|---|---|---|
| `host` | string | No | `scopear-iot-mosquitto-headless` | Sets the MQTT broker host. |
| `port` | integer | No | `30883` | Sets the MQTT broker port. |
| `protocol` | string | No | `mqtts` | Sets the MQTT connection protocol. |

### Config MongoDB

ConfigMongoDB configures a MongoDB client connection.

**Appears in** - AI Config - C 2 Config - IOT Config

| FIELD | TYPE | REQ | DEFAULT | DESCRIPTION |
|---|---|---|---|---|
| `host` | string | No | `scopear-mongodb.mongo.svc.cluster.local` | Sets the MongoDB host. |
| `port` | integer | No | `27017` | Sets the MongoDB port. |
| `database` | string | No | | Sets the MongoDB database name. |
| `username` | string | No | | Sets the MongoDB user name. |

### Config Simulator

ConfigSimulator configures the IoT simulator.

**Appears in** - IOT Config

| FIELD | TYPE | REQ | DEFAULT | DESCRIPTION |
|---|---|---|---|---|
| `enabled` | boolean | No | `false` | Enables the IoT simulator. |
| `port` | integer | No | `3001` | Sets the simulator service port. |

### Coturn Config

CoturnConfig configures Coturn listener, relay, and advertised connection settings.

**Appears in** - Coturn Spec

| FIELD | TYPE | REQ | DEFAULT | DESCRIPTION |
|---|---|---|---|---|
| `port` | integer | No | `3478` | Sets the Coturn listening and signaling port. |
| `min_port` | integer | No | `49152` | Sets the first UDP port in the relay range. |
| `max_port` | integer | No | `49251` | Sets the last UDP port in the relay range. |
| `username` | string | No | `scopear` | Sets the Coturn username. |
| `password` | string | No | `Augmenttheworld2025!` | Sets the Coturn password. |
| `external_host` | string | No | | Sets the Coturn host advertised to clients. When empty, it is derived from the configured hostname and subdomain suffix. |
| `realm` | string | No | `ScopeAR` | Sets the Coturn authentication realm. |

| FIELD | TYPE | REQ | DEFAULT | DESCRIPTION |
|---|---|---|---|---|
| `protocol` | string | No | `udp` | Sets the Coturn protocol advertised to CMS. |

## Coturn Spec

CoturnSpec configures the ScopeAR Coturn service.

### Appears in - Scope AR Spec

| FIELD | TYPE | REQ | DEFAULT | DESCRIPTION |
|---|---|---|---|---|
| `enabled` | boolean | No | `false` | Enables the Coturn service. |
| `auto_secret_gen` | boolean | No | `true` | Enables automatic secret generation for Coturn credentials. |
| `annotations` | object (keys:string, values:string) | No | | Adds annotations to Coturn workload resources. |
| `replicas` | integer | No | `1 or the environment-wide replicas value` | Sets the desired number of pod replicas for the component.<br>Override the environment-wide replica count when this workload has different availability or capacity requirements. |
| `resources` | ResourceRequirements | No | | Specifies Kubernetes CPU, memory, and other resource requests and limits for the component's containers.<br>Set requests for predictable scheduling and limits to constrain usage; tune values to the workload and available on-premises or cloud capacity. |
| `affinity` | Affinity | No | | Defines Kubernetes node and pod affinity rules for scheduling the component.<br>Use it to place workloads on labeled node pools or across failure domains; overly restrictive rules can leave pods unschedulable.<br>[ *example:* `\{"nodeAffinity":\{"requiredDuringSchedulingIgnoredDuringExecution":\{"nodeSelectorTerms":[]\}\}\}` ] |
| `securityContext` | PodSecurityContext | No | | Defines pod-level security attributes shared by the component's containers.<br>Set user, group, filesystem, and seccomp options to satisfy the target cluster's security policy; incompatible IDs can prevent mounted volumes from working. |
| `storage_size` | string | No | `10Gi` | Sets the requested capacity for the component's persistent volume.<br>Increase it for production data growth; shrinking an existing claim is generally unsupported by Kubernetes storage providers. |
| `storage_class_name` | string | No | | Selects the Kubernetes StorageClass used for the component's persistent volume claim.<br>Set it when the cluster default is unsuitable or absent; confirm the class exists and supports the access mode required by the workload. |

| FIELD | TYPE | REQ | DEFAULT | DESCRIPTION |
|---|---|---|---|---|
| `config` | Coturn Config | No | | Configures Coturn listener, relay, and advertised connection settings. |

## DT Spec

DTSpec configures the ScopeAR diagnostic tools service.

### Appears in - Scope AR Spec

| FIELD | TYPE | REQ | DEFAULT | DESCRIPTION |
|---|---|---|---|---|
| `enabled` | boolean | No | `false` | Enables the service. |
| `replicas` | integer | No | `1 or the environment-wide replicas value` | Sets the desired number of pod replicas for the component.<br>Override the environment-wide replica count when this workload has different availability or capacity requirements. |
| `resources` | ResourceRequirements | No | | Specifies Kubernetes CPU, memory, and other resource requests and limits for the component's containers.<br>Set requests for predictable scheduling and limits to constrain usage; tune values to the workload and available on-premises or cloud capacity. |
| `affinity` | Affinity | No | | Defines Kubernetes node and pod affinity rules for scheduling the component.<br>Use it to place workloads on labeled node pools or across failure domains; overly restrictive rules can leave pods unschedulable.<br>[ *example:* `\{"nodeAffinity":\{"requiredDuringSchedulingIgnoredDuringExecution":\{"nodeSelectorTerms":[]\}\}\}` ] |
| `securityContext` | PodSecurityContext | No | | Defines pod-level security attributes shared by the component's containers.<br>Set user, group, filesystem, and seccomp options to satisfy the target cluster's security policy; incompatible IDs can prevent mounted volumes from working. |
| `storage_size` | string | No | `10Gi` | Sets the requested capacity for the component's persistent volume.<br>Increase it for production data growth; shrinking an existing claim is generally unsupported by Kubernetes storage providers. |
| `storage_class_name` | string | No | | Selects the Kubernetes StorageClass used for the component's persistent volume claim.<br>Set it when the cluster default is unsuitable or absent; confirm the class exists and supports the access mode required by the workload. |
| `istio_injection` | boolean | No | `false` | Enables Istio sidecar injection for the workload. |

## GWL Spec

GWLSpec configures integration with GetWorkLink (GWL).

**Appears in** - Scope AR Spec

| FIELD | TYPE | REQ | DEFAULT | DESCRIPTION |
|---|---|---|---|---|
| `replicas` | integer | No | `1 or the environment-wide replicas value` | Sets the desired number of pod replicas for the component.<br>Override the environment-wide replica count when this workload has different availability or capacity requirements. |
| `resources` | ResourceRequirements | No | | Specifies Kubernetes CPU, memory, and other resource requests and limits for the component's containers.<br>Set requests for predictable scheduling and limits to constrain usage; tune values to the workload and available on-premises or cloud capacity. |
| `affinity` | Affinity | No | | Defines Kubernetes node and pod affinity rules for scheduling the component.<br>Use it to place workloads on labeled node pools or across failure domains; overly restrictive rules can leave pods unschedulable.<br>[ *example:* `\{"nodeAffinity":\{"requiredDuringSchedulingIgnoredDuringExecution":\{"nodeSelectorTerms":[]\}\}\}` ] |
| `securityContext` | PodSecurityContext | No | | Defines pod-level security attributes shared by the component's containers.<br>Set user, group, filesystem, and seccomp options to satisfy the target cluster's security policy; incompatible IDs can prevent mounted volumes from working. |
| `storage_size` | string | No | `10Gi` | Sets the requested capacity for the component's persistent volume.<br>Increase it for production data growth; shrinking an existing claim is generally unsupported by Kubernetes storage providers. |
| `storage_class_name` | string | No | | Selects the Kubernetes StorageClass used for the component's persistent volume claim.<br>Set it when the cluster default is unsuitable or absent; confirm the class exists and supports the access mode required by the workload. |
| `host` | string | No | `getworklink.com` | Sets the GWL host used when formatted hostnames are disabled. |
| `use_formatted_host` | boolean | No | `true` | Uses a formatted `gwl.<domain>` hostname instead of host. |
| `istio_injection` | boolean | No | `false` | Enables Istio sidecar injection for the GWL workload. |
| `grovs_project_key` | string | No | | Sets the GROVS project key used by the GWL integration. |

## IOT Config

IOTConfig configures integrations used by the IoT service.

**Appears in** - IOT Spec

| FIELD | TYPE | REQ | DEFAULT | DESCRIPTION |
|---|---|---|---|---|
| `mongodb` | Config Mongo DB | No | | Configures the MongoDB connection used by the IoT service. |
| `mqtt` | Config MQTT | No | | Configures the MQTT broker connection. |
| `simulator` | Config Simulator | No | | Configures the IoT simulator. |
| `istio_injection` | boolean | No | `false` | Enables Istio sidecar injection for the IoT workload. |

## IOT Spec

IOTSpec configures the ScopeAR IoT service.

**Appears in** - Scope AR Spec

| FIELD | TYPE | REQ | DEFAULT | DESCRIPTION |
|---|---|---|---|---|
| `enabled` | boolean | No | `false` | Enables the IoT service. |
| `annotations` | object (keys:string, values:string) | No | | Adds annotations to IoT workload resources. |
| `replicas` | integer | No | `1 or the environment-wide replicas value` | Sets the desired number of pod replicas for the component.<br>Override the environment-wide replica count when this workload has different availability or capacity requirements. |
| `resources` | ResourceRequirements | No | | Specifies Kubernetes CPU, memory, and other resource requests and limits for the component's containers.<br>Set requests for predictable scheduling and limits to constrain usage; tune values to the workload and available on-premises or cloud capacity. |
| `affinity` | Affinity | No | | Defines Kubernetes node and pod affinity rules for scheduling the component.<br>Use it to place workloads on labeled node pools or across failure domains; overly restrictive rules can leave pods unschedulable.<br>[ *example:* `\{"nodeAffinity":\{"requiredDuringSchedulingIgnoredDuringExecution":\{"nodeSelectorTerms":[]\}\}\}` ] |

| FIELD | TYPE | REQ | DEFAULT | DESCRIPTION |
|---|---|---|---|---|
| `securityContext` | PodSecurity Context | No | | Defines pod-level security attributes shared by the component's containers.<br>Set user, group, filesystem, and seccomp options to satisfy the target cluster's security policy; incompatible IDs can prevent mounted volumes from working. |
| `storage_size` | string | No | `10Gi` | Sets the requested capacity for the component's persistent volume.<br>Increase it for production data growth; shrinking an existing claim is generally unsupported by Kubernetes storage providers. |
| `storage_class_name` | string | No | | Selects the Kubernetes StorageClass used for the component's persistent volume claim.<br>Set it when the cluster default is unsuitable or absent; confirm the class exists and supports the access mode required by the workload. |
| `port` | integer | No | `9000` | Sets the IoT service port. |
| `ssl_enabled` | boolean | No | `true` | Enables TLS for the IoT service. |
| `config` | IOT Config | No | | Configures IoT service integrations. |

## Image

*Underlying type:* object

Image defines per-image overrides used while rendering a ScopeAR environment manifest. Keys identify image components and values select their image references.

**Appears in** - Scope AR Spec

## Minio Spec

MinioSpec configures the bundled MinIO object storage service.

**Appears in** - Scope AR Spec

| FIELD | TYPE | REQ | DEFAULT | DESCRIPTION |
|---|---|---|---|---|
| `enabled` | boolean | No | `false` | Enables the MinIO service. |
| `istio_injection` | boolean | No | `false` | Enables Istio sidecar injection for the MinIO workload. |
| `resources` | ResourceRequirements | No | | Sets compute resource requests and limits for the workload. |
| `storage_size` | string | No | `100Gi` | Sets the requested persistent storage capacity. |
| `storage_class_name` | string | No | | Sets the Kubernetes storage class used for the persistent volume claim. |

| FIELD | TYPE | REQ | DEFAULT | DESCRIPTION |
|---|---|---|---|---|
| `volume_name` | string | No | | Binds the persistent volume claim to a specific persistent volume when dynamic provisioning is unavailable. |
| `volume_mode` | string | No | | Sets the persistent volume mode. |

## MongoDB Spec

MongoDBSpec configures the bundled MongoDB database service.

**Appears in** - Scope AR Spec

| FIELD | TYPE | REQ | DEFAULT | DESCRIPTION |
|---|---|---|---|---|
| `enabled` | boolean | No | `false` | Enables the bundled MongoDB service. |
| `replicas` | integer | No | `1` | Sets the desired number of MongoDB replicas. |
| `resources` | ResourceRequirements | No | | Sets compute resource requests and limits for the workload. |
| `storage_size` | string | No | `100Gi` | Sets the requested persistent storage capacity. |
| `storage_class_name` | string | No | | Sets the Kubernetes storage class used for the persistent volume claim. |
| `volume_name` | string | No | | Binds the persistent volume claim to a specific persistent volume when dynamic provisioning is unavailable. |
| `volume_mode` | string | No | | Sets the persistent volume mode. |
| `istio_injection` | boolean | No | `false` | Enables Istio sidecar injection for the MongoDB workload. |

## My SQL Spec

MySQLSpec configures the bundled MySQL database service.

**Appears in** - Scope AR Spec

| FIELD | TYPE | REQ | DEFAULT | DESCRIPTION |
|---|---|---|---|---|
| `enabled` | boolean | No | `false` | Enables the bundled database service. |
| `replicas` | integer | No | `1` | Sets the desired number of database replicas. |
| `resources` | ResourceRequirements | No | | Sets compute resource requests and limits for the workload. |
| `storage_size` | string | No | `100Gi` | Sets the requested persistent storage capacity. |

| FIELD | TYPE | REQ | DEFAULT | DESCRIPTION |
|---|---|---|---|---|
| `storage_class_name` | string | No | | Sets the Kubernetes storage class used for the persistent volume claim. |
| `volume_name` | string | No | | Binds the persistent volume claim to a specific persistent volume when dynamic provisioning is unavailable. |
| `volume_mode` | string | No | | Sets the persistent volume mode. |
| `istio_injection` | boolean | No | `false` | Enables Istio sidecar injection for the database workload. |

## Postgres Spec

PostgresSpec configures the bundled PostgreSQL database service.

**Appears in** - Scope AR Spec

| FIELD | TYPE | REQ | DEFAULT | DESCRIPTION |
|---|---|---|---|---|
| `enabled` | boolean | No | `false` | Enables the bundled database service. |
| `replicas` | integer | No | `1` | Sets the desired number of database replicas. |
| `resources` | ResourceRequirements | No | | Sets compute resource requests and limits for the workload. |
| `storage_size` | string | No | `25Gi` | Sets the requested persistent storage capacity. |
| `storage_class_name` | string | No | | Sets the Kubernetes storage class used for the persistent volume claim. |
| `volume_name` | string | No | | Binds the persistent volume claim to a specific persistent volume when dynamic provisioning is unavailable. |
| `volume_mode` | string | No | | Sets the persistent volume mode. |
| `database` | string | No | `superset` | Sets the PostgreSQL database name. |
| `username` | string | No | `scopear` | Sets the PostgreSQL database user. |
| `istio_injection` | boolean | No | `false` | Enables Istio sidecar injection for the database workload. |

## Qdrant Spec

QdrantSpec configures the bundled Qdrant vector database service.

**Appears in** - Scope AR Spec

| FIELD | TYPE | REQ | DEFAULT | DESCRIPTION |
|---|---|---|---|---|
| `enabled` | boolean | No | `false` | Enables the Qdrant service. |

| FIELD | TYPE | REQ | DEFAULT | DESCRIPTION |
|---|---|---|---|---|
| `replicas` | integer | No | `1 or the environment-wide replicas value` | Sets the desired number of pod replicas for the component.<br>Override the environment-wide replica count when this workload has different availability or capacity requirements. |
| `resources` | ResourceRequirements | No | | Specifies Kubernetes CPU, memory, and other resource requests and limits for the component's containers.<br>Set requests for predictable scheduling and limits to constrain usage; tune values to the workload and available on-premises or cloud capacity. |
| `affinity` | Affinity | No | | Defines Kubernetes node and pod affinity rules for scheduling the component.<br>Use it to place workloads on labeled node pools or across failure domains; overly restrictive rules can leave pods unschedulable.<br>[ *example:* `\{"nodeAffinity":\{"requiredDuringSchedulingIgnoredDuringExecution":\{"nodeSelectorTerms":[]\}\}\}` ] |
| `securityContext` | PodSecurityContext | No | | Defines pod-level security attributes shared by the component's containers.<br>Set user, group, filesystem, and seccomp options to satisfy the target cluster's security policy; incompatible IDs can prevent mounted volumes from working. |
| `storage_size` | string | No | `10Gi` | Sets the requested capacity for the component's persistent volume.<br>Increase it for production data growth; shrinking an existing claim is generally unsupported by Kubernetes storage providers. |
| `storage_class_name` | string | No | | Selects the Kubernetes StorageClass used for the component's persistent volume claim.<br>Set it when the cluster default is unsuitable or absent; confirm the class exists and supports the access mode required by the workload. |
| `istio_injection` | boolean | No | `false` | Enables Istio sidecar injection for the Qdrant workload. |

## Rails Env

*Underlying type:* string

RailsEnv identifies the Rails runtime environment assigned to Rails-based services in a ScopeAR environment manifest.

**Appears in** - Scope AR Spec

| VALUE | DESCRIPTION |
|---|---|
| `production` | |
| `intranet` | |

## Redis Spec

RedisSpec configures the bundled Redis database service.

**Appears in** - Scope AR Spec

| FIELD | TYPE | REQ | DEFAULT | DESCRIPTION |
|---|---|---|---|---|
| `enabled` | boolean | No | `false` | Enables the bundled database service. |
| `replicas` | integer | No | `1` | Sets the desired number of database replicas. |
| `resources` | ResourceRequirements | No | | Sets compute resource requests and limits for the workload. |
| `storage_size` | string | No | `10Gi` | Sets the requested persistent storage capacity. |
| `storage_class_name` | string | No | | Sets the Kubernetes storage class used for the persistent volume claim. |
| `volume_name` | string | No | | Binds the persistent volume claim to a specific persistent volume when dynamic provisioning is unavailable. |
| `volume_mode` | string | No | | Sets the persistent volume mode. |
| `istio_injection` | boolean | No | `false` | Enables Istio sidecar injection for the database workload. |

## Release Channel

*Underlying type:* string

ReleaseChannel identifies the ScopeAR release stream used to resolve component versions while rendering an environment manifest.

**Appears in** - Scope AR Spec

| VALUE | DESCRIPTION |
|---|---|
| `stable` | |
| `rc` | |
| `unstable` | |
| `develop` | |

## ScopeAR

ScopeAR is the root Kubernetes API object for a ScopeAR environment manifest. Its metadata identifies the environment and its spec contains all settings used to render or reconcile the environment’s Kubernetes resources.

| FIELD | TYPE | REQ | DEFAULT | DESCRIPTION |
|---|---|---|---|---|
| `apiVersion` | `string` | Yes | | Value must be `k8s.scopear.com/v1`. |
| `kind` | `string` | Yes | | Value must be `ScopeAR`. |
| `metadata` | ObjectMeta | No | | Refer to Kubernetes API documentation for fields of `metadata`. |
| `spec` | Scope AR Spec | No | | Contains the desired configuration used to render the ScopeAR environment.<br>Provide it for deployable manifests; omitting it leaves no environment-specific desired state to render. |

## ScopeAR Spec

ScopeARSpec describes the desired ScopeAR environment rendered into Kubernetes manifests. It combines environment-wide routing, release, image, and runtime settings with component-specific configuration subtrees.

**Appears in** - Scope AR

| FIELD | TYPE | REQ | DEFAULT | DESCRIPTION |
|---|---|---|---|---|
| `hostnames` | string array | Yes | | Lists the ingress hostnames exposed by the ScopeAR environment.<br>Put the primary public hostname first; additional entries are aliases used by generated ingress and routing resources.<br>[ *validation:* `minItems=1`; *example:* `["worklink.example.com"]` ] |
| `subdomainSuffix` | string | No | | Appends a suffix when generating component-specific ingress subdomains.<br>Set this when multiple ScopeAR environments share a parent DNS zone; omit it when component hostnames should derive directly from the primary hostname. |
| `channel` | Release Channel | No | `stable` | Selects the release channel used to resolve ScopeAR component versions.<br>Use stable for production, rc for release-candidate testing, and unstable or develop only for controlled pre-release environments. |
| `on-prem` | boolean | No | `true` | Enables behavior intended for customer-managed, on-premises deployments.<br>Set false for Scope AR cloud environments; this choice also influences defaults such as the Rails environment. |
| `replicas` | integer | No | `1` | Sets the default replica count inherited by components that do not specify their own value.<br>Increase it for highly available environments and override replicas within individual component subtrees when their scaling needs differ. |
| `imageRegistry` | string | No | | Overrides the container registry used for ScopeAR images.<br>Set this for air-gapped or mirrored on-premises installations; leave it empty to use the registry encoded in the standard image references. |

| FIELD | TYPE | REQ | DEFAULT | DESCRIPTION |
|---|---|---|---|---|
| `apply_virtual_service` | boolean | No | `true` | Controls whether rendering includes an Istio VirtualService.<br>Enable it only when the target cluster uses Istio and the referenced gateway already exists; disable it when ingress is managed by another controller. |
| `istioAPIVersion` | string | No | `networking.istio.io/v1` | Selects the API version for generated Istio VirtualService resources.<br>Match this to the Istio CRDs installed in the target cluster; prefer v1 unless an older installation requires v1beta1. |
| `stripPublicRegistry` | boolean | No | `false` | Removes the public registry prefix from standard image references before applying registry overrides.<br>Enable this for mirrors whose repository layout omits the upstream registry hostname; an incorrect setting can produce unresolvable image names. |
| `istioGatewayName` | string | No | `istio-system/scopear-gateway` | Names the Istio gateway bound to the generated VirtualService.<br>Set it as namespace/name when ApplyVirtualService is enabled and the gateway is not the standard ScopeAR gateway. |
| `images` | Image array | No | | Supplies component image overrides used while rendering workloads.<br>Use this for pinned, mirrored, or development images; omit entries that should follow the selected release channel and global registry settings.<br>[ *example:* `[\{"cms":"registry.example.com/scopear/cms:v1.2.3"\}]` ] |
| `logLevel` | string | No | `info` | Sets the default application log level inherited by ScopeAR components.<br>Increase verbosity temporarily for diagnosis and prefer component-specific overrides, where available, to avoid excessive production logging. |
| `tlskey` | string | No | | Provides the PEM-encoded private key for TLS resources generated for the environment.<br>Set it together with TLSPem only when scopearctl should manage TLS material; avoid committing unencrypted private keys to source control. |
| `tlspem` | string | No | | Provides the PEM-encoded certificate chain paired with TLSKey.<br>Set both TLS fields together and ensure the certificate covers the configured hostnames; omit them when TLS is managed externally. |
| `env` | Rails Env | No | `intranet when on-prem is true; production otherwise` | Sets RAILS_ENV for Rails-based ScopeAR components.<br>Use intranet for on-premises environments and production for Scope AR cloud environments unless deployment guidance explicitly requires another pairing. |
| `cluster` | Cluster Spec | No | | Configures the Kubernetes provider and distribution targeted by the rendered manifests.<br>Set this subtree when platform-specific resources or defaults must match EKS, GKE, AKS, OpenShift, or a standalone cluster. |

| FIELD | TYPE | REQ | DEFAULT | DESCRIPTION |
|---|---|---|---|---|
| `ai` | AI Spec | No | | Configures the AI services subtree, including deployment, connectivity, and runtime settings for ScopeAR AI features.<br>Set it when AI workloads are enabled or need overrides; size its resources for the model workload and target cluster. |
| `cms` | Cms Spec | No | | Configures the CMS application subtree that serves the main ScopeAR web and API workloads.<br>Use it for CMS-specific scaling, persistence, integrations, and runtime overrides in both on-premises and cloud environments. |
| `c2` | C 2 Spec | No | | Configures the C2 service subtree for command-and-control workloads.<br>Set it when C2 deployment, resources, endpoints, or runtime behavior must differ from environment-wide defaults. |
| `dt` | DT Spec | No | | Configures the DT service subtree for digital-twin workloads.<br>Set it when digital-twin services are deployed or require component-specific scaling, storage, or runtime settings. |
| `xmpp` | XMPP Spec | No | | Configures the XMPP messaging service subtree.<br>Use it to control messaging deployment, persistence, networking, and component-specific runtime behavior. |
| `iot` | IOT Spec | No | | Configures the IoT service subtree for device-facing workloads.<br>Set it when IoT ingestion or device connectivity is enabled and requires scaling, endpoint, or runtime overrides. |
| `zeus` | Zeus Spec | No | | Configures the Zeus service subtree used by the ScopeAR environment.<br>Use it for Zeus-specific deployment, resources, connectivity, and runtime overrides rather than changing global defaults. |
| `coturn` | Coturn Spec | No | | Configures the Coturn TURN/STUN service subtree for real-time media traversal.<br>Set it when clients require NAT traversal; ensure its advertised addresses and exposed ports match the on-premises or cloud network. |
| `superset` | Superset Spec | No | | Configures the Superset analytics service subtree.<br>Set it when analytics is deployed or needs component-specific ingress, persistence, credentials, scaling, or runtime settings. |
| `gwl` | GWL Spec | No | | Configures the GWL service subtree used by the ScopeAR environment.<br>Use it for GWL-specific deployment, resources, connectivity, and runtime overrides. |
| `minio` | Minio Spec | No | | Configures the MinIO object-storage subtree.<br>Use it for on-premises object storage, persistence, and credentials; cloud environments may instead connect components to managed object storage. |
| `mongodb` | Mongo DB Spec | No | | Configures the MongoDB datastore subtree.<br>Set it for an in-cluster or externally connected MongoDB deployment, and coordinate persistence and credentials with backup and recovery plans. |

| FIELD | TYPE | REQ | DEFAULT | DESCRIPTION |
|---|---|---|---|---|
| `mysql` | My SQL Spec | No | | Configures the MySQL datastore subtree.<br>Set it for an in-cluster or externally connected MySQL deployment; avoid enabling bundled storage when a managed cloud database supplies the service. |
| `redis` | Redis Spec | No | | Configures the Redis cache and queue datastore subtree.<br>Use it for Redis deployment, persistence, resources, and connectivity; align high-availability settings with production requirements. |
| `qdrant` | Qdrant Spec | No | | Configures the Qdrant vector-database subtree used by AI features.<br>Set it when vector search is enabled, and size persistence and memory for the expected collection volume. |
| `postgres` | Postgres Spec | No | | Configures the PostgreSQL datastore subtree.<br>Set it for an in-cluster or externally connected PostgreSQL deployment, coordinating credentials, persistence, and backups with the target platform. |

## Superset Config

SupersetConfig configures Superset database and Redis integration settings.

**Appears in** - Superset Spec

| FIELD | TYPE | REQ | DEFAULT | DESCRIPTION |
|---|---|---|---|---|
| `redis_celery_db` | integer | No | `1` | Selects the Redis logical database used by Celery. |
| `redis_results_db` | integer | No | `1` | Selects the Redis logical database used for Celery results. |
| `cms_db_user` | string | No | | Sets the CMS database user available to Superset. |
| `mcp_server_enabled` | boolean | No | `false` | Enable MCP at /mcp on the analytics host. |
| `istio_injection` | boolean | No | `false` | Enables Istio sidecar injection for the Superset workload. |

## Superset Spec

SupersetSpec configures the ScopeAR Superset analytics service.

**Appears in** - Scope AR Spec

| FIELD | TYPE | REQ | DEFAULT | DESCRIPTION |
|---|---|---|---|---|
| `enabled` | boolean | No | `false` | Enables the Superset analytics service. |

| FIELD | TYPE | REQ | DEFAULT | DESCRIPTION |
|---|---|---|---|---|
| `replicas` | integer | No | `1 or the environment-wide replicas value` | Sets the desired number of pod replicas for the component.<br>Override the environment-wide replica count when this workload has different availability or capacity requirements. |
| `resources` | ResourceRequirements | No | | Specifies Kubernetes CPU, memory, and other resource requests and limits for the component's containers.<br>Set requests for predictable scheduling and limits to constrain usage; tune values to the workload and available on-premises or cloud capacity. |
| `affinity` | Affinity | No | | Defines Kubernetes node and pod affinity rules for scheduling the component.<br>Use it to place workloads on labeled node pools or across failure domains; overly restrictive rules can leave pods unschedulable.<br>[ *example:* `\{"nodeAffinity":\{"requiredDuringSchedulingIgnoredDuringExecution":\{"nodeSelectorTerms":[]\}\}\}` ] |
| `securityContext` | PodSecurityContext | No | | Defines pod-level security attributes shared by the component's containers.<br>Set user, group, filesystem, and seccomp options to satisfy the target cluster's security policy; incompatible IDs can prevent mounted volumes from working. |
| `storage_size` | string | No | `10Gi` | Sets the requested capacity for the component's persistent volume.<br>Increase it for production data growth; shrinking an existing claim is generally unsupported by Kubernetes storage providers. |
| `storage_class_name` | string | No | | Selects the Kubernetes StorageClass used for the component's persistent volume claim.<br>Set it when the cluster default is unsuitable or absent; confirm the class exists and supports the access mode required by the workload. |
| `config` | Superset Config | No | | Configures Superset database and Redis integrations. |

## XMPP Spec

XMPPSpec configures the ScopeAR XMPP service.

### Appears in - Scope AR Spec

| FIELD | TYPE | REQ | DEFAULT | DESCRIPTION |
|---|---|---|---|---|
| `enabled` | boolean | No | `false` | Enables the service. |
| `replicas` | integer | No | `1 or the environment-wide replicas value` | Sets the desired number of pod replicas for the component.<br>Override the environment-wide replica count when this workload has different availability or capacity requirements. |

| FIELD | TYPE | REQ | DEFAULT | DESCRIPTION |
|---|---|---|---|---|
| `resources` | ResourceRequirements | No | | Specifies Kubernetes CPU, memory, and other resource requests and limits for the component's containers.<br>Set requests for predictable scheduling and limits to constrain usage; tune values to the workload and available on-premises or cloud capacity. |
| `affinity` | Affinity | No | | Defines Kubernetes node and pod affinity rules for scheduling the component.<br>Use it to place workloads on labeled node pools or across failure domains; overly restrictive rules can leave pods unschedulable.<br>[ *example:* `\{"nodeAffinity":\{"requiredDuringSchedulingIgnoredDuringExecution":\{"nodeSelectorTerms":[]\}\}\}` ] |
| `securityContext` | PodSecurityContext | No | | Defines pod-level security attributes shared by the component's containers.<br>Set user, group, filesystem, and seccomp options to satisfy the target cluster's security policy; incompatible IDs can prevent mounted volumes from working. |
| `storage_size` | string | No | `10Gi` | Sets the requested capacity for the component's persistent volume.<br>Increase it for production data growth; shrinking an existing claim is generally unsupported by Kubernetes storage providers. |
| `storage_class_name` | string | No | | Selects the Kubernetes StorageClass used for the component's persistent volume claim.<br>Set it when the cluster default is unsuitable or absent; confirm the class exists and supports the access mode required by the workload. |
| `istio_injection` | boolean | No | `false` | Enables Istio sidecar injection for the workload. |

## Zeus Config

ZeusConfig configures the Zeus service and its Redis connection.

### Appears in - Zeus Spec

| FIELD | TYPE | REQ | DEFAULT | DESCRIPTION |
|---|---|---|---|---|
| `encryption_cert` | string | No | `scopear-zeus-encryption` | Sets the name of the Zeus encryption certificate secret. |
| `port` | integer | No | `24000` | Sets the Zeus service port. |
| `redis` | Zeus Config Redis | No | | Configures the Redis connection used by Zeus. |
| `istio_injection` | boolean | No | `false` | Enables Istio sidecar injection for the Zeus workload. |

## Zeus Config Redis

ZeusConfigRedis configures the Redis connection used by Zeus.

**Appears in** - Zeus Config

| FIELD | TYPE | REQ | DEFAULT | DESCRIPTION |
|---|---|---|---|---|
| `host` | string | No | `scopear-redis.redis.svc.cluster.local` | Sets the Redis host. |
| `port` | integer | No | `6379` | Sets the Redis port. |
| `database` | integer | No | `10` | Selects the Redis logical database used by Zeus. |
| `use_auth` | boolean | No | `false` | Enables authentication for the Redis connection. |

## Zeus Spec

ZeusSpec configures the ScopeAR Zeus service.

**Appears in** - Scope AR Spec

| FIELD | TYPE | REQ | DEFAULT | DESCRIPTION |
|---|---|---|---|---|
| `enabled` | boolean | No | `false` | Enables the Zeus service. |
| `auto_secret_gen` | boolean | No | `true` | Enables automatic secret generation for Zeus. |
| `annotations` | object (keys:string, values:string) | No | | Adds annotations to Zeus workload resources. |
| `replicas` | integer | No | `1 or the environment-wide replicas value` | Sets the desired number of pod replicas for the component.<br>Override the environment-wide replica count when this workload has different availability or capacity requirements. |
| `resources` | ResourceRequirements | No | | Specifies Kubernetes CPU, memory, and other resource requests and limits for the component's containers.<br>Set requests for predictable scheduling and limits to constrain usage; tune values to the workload and available on-premises or cloud capacity. |
| `affinity` | Affinity | No | | Defines Kubernetes node and pod affinity rules for scheduling the component.<br>Use it to place workloads on labeled node pools or across failure domains; overly restrictive rules can leave pods unschedulable.<br>[ *example:* `\{"nodeAffinity":\{"requiredDuringSchedulingIgnoredDuringExecution":\{"nodeSelectorTerms":[]\}\}\}` ] |

| FIELD | TYPE | REQ | DEFAULT | DESCRIPTION |
|---|---|---|---|---|
| `securityContext` | PodSecurity Context | No | | Defines pod-level security attributes shared by the component's containers.<br>Set user, group, filesystem, and seccomp options to satisfy the target cluster's security policy; incompatible IDs can prevent mounted volumes from working. |
| `storage_size` | string | No | `10Gi` | Sets the requested capacity for the component's persistent volume.<br>Increase it for production data growth; shrinking an existing claim is generally unsupported by Kubernetes storage providers. |
| `storage_class_name` | string | No | | Selects the Kubernetes StorageClass used for the component's persistent volume claim.<br>Set it when the cluster default is unsuitable or absent; confirm the class exists and supports the access mode required by the workload. |
| `config` | Zeus Config | No | | Configures the Zeus service. |

## Samples

The following sample manifests are also included as standalone YAML files under `samples/` in the documentation package.

`scopear_k8s_onprem_sample.yaml`

```
# Generated by hack/generate-docs-samples — do not edit by hand.
# Kitchen-sink example with SetDefaults() applied. Delete or change values as needed.
# Kubernetes on-premises ScopeAR environment (standalone cluster, on-prem: true).
apiVersion: k8s.scopear.com/v1
kind: ScopeAR
metadata:
  name: scopear-onprem
  namespace: scopear
spec:
  ai:
    config:
      airbrake:
        enabled: false
      helicone_api_url: https://oai.hconeai.com/v1
      istio_injection: false
      mongodb:
        host: mongodb
        port: 27017
      qdrant_url: http://qdrant:6333
      storage:
        minio_server_address: minio
        minio_server_port: 443
        minio_server_use_ssl: true
        provider: aws
      true_openai_queries: false
    enabled: false
    replicas: 1
    resources:
      limits:
        cpu: 500m
        memory: 1000Mi
      requests:
        cpu: 200m
        memory: 500Mi
  apply_virtual_service: true
  c2:
    api:
      airbrake:
        enabled: false
      replicas: 1
      resources:
        limits:
          cpu: 500m
          memory: 3000Mi
        requests:
          cpu: 200m
          memory: 3000Mi
    client:
```

```
    airbrake:
      enabled: false
    analytics: false
    replicas: 1
    resources:
      limits:
        cpu: "1"
        memory: 1000Mi
      requests:
        cpu: 100m
        memory: 100Mi
  config:
    cad_pipeline:
      flex_host: flex-op.scopear.com
      flex_port: 27001
      processing_mode: none
      query_time: 10000
    istio_injection: false
    job_query_time: 100
    max_upload_file_size: 2000
    mongodb:
      host: mongodb
      port: 27017
    slidemaster_enabled: true
    storage:
      aws_bucket_region: us-west-2
      minio_client_port: 443
      minio_private_address: minio
      minio_private_port: 9000
      minio_server_use_ssl: true
      storage_provider: aws
    userflow_enabled: false
  enabled: true
  model_converter:
    airbrake:
      enabled: false
    replicas: 1
    resources:
      limits:
        cpu: "2"
        memory: 4000Mi
      requests:
        cpu: 200m
        memory: 4000Mi
  project_packager:
    airbrake:
      enabled: false
    replicas: 1
```

```
      resources:
        limits:
          cpu: "2"
          memory: 5000Mi
        requests:
          cpu: 500m
          memory: 2000Mi
    webapp:
      airbrake: {}
      replicas: 1
      resources:
        limits:
          cpu: "1"
          memory: 1000Mi
        requests:
          cpu: 100m
          memory: 100Mi
  channel: stable
  cluster:
    provider: other
    type: standalone
  cms:
    api:
      replicas: 1
      resources:
        limits:
          cpu: "4"
          memory: 4Gi
        requests:
          cpu: "1"
          memory: 4Gi
    config:
      admin:
        company_name: Scope AR
        email_address: support@scopear.com
        first_name: ScopeAR
        last_name: Support
        phone_number: 780-555-1234
        support_admin_email_address: support@scopear.com
      airbrake:
        enabled: false
      auth_method: db
      coturn:
        enable_multi_region: false
        enabled: false
        label: us-east-1
        tunnel_external_host: proxy-aws-us.scopear.com
        tunnel_external_port: 443
```

```
    turn_external_host: proxy-aws-us.scopear.com
    turn_external_port: 3478
    turn_protocol: udp
  hubspot: {}
  istio_injection: false
  jwt_token_verification: true
  ldap:
    enabled: false
  log_level: info
  metabase:
    calling_dashboard_id: 206
    company_dashboard_id: 330
    enabled: false
    scenario_dashboard_id: 204
  mysql:
    aws_iam_auth_type: instance_profile_credentials
    aws_rds_region: us-west-2
    database: scopear_cms
    host: scopear-mysql.mysql.svc.cluster.local
    port: 3306
    use_iam_auth: false
    username: scopecms
  open_id:
    enabled: false
  puma_timeout: 120
  redis:
    host: scopear-redis.redis.svc.cluster.local
    port: 6379
  sentry:
    enabled: false
  smtp:
    auth_type: plain
    email_format: all
    enable_starttls_auto: true
    openssl_verify_mode: none
  storage:
    default_bucket: scopear-data
    default_region: us-west-2
    enable_multi_region: false
    file_storage: s3
    storage_size: 100Gi
    storage_ssl_verify: true
  twilio: {}
  userflow_enabled: false
  virus_scan_enabled: false
  zeus:
    enabled: false
    external_host: master.scopear.com
```

```
      external_port: 24000
  sidekiq:
    replicas: 1
    resources: {}
coturn:
  auto_secret_gen: true
  config:
    max_port: 49251
    min_port: 49152
    password: Augmenttheworld2025!
    port: 3478
    protocol: udp
    realm: ScopeAR
    username: scopear
  enabled: false
  replicas: 1
  resources:
    limits:
      cpu: "1"
      memory: 512Mi
    requests:
      cpu: 100m
      memory: 128Mi
dt:
  enabled: false
  istio_injection: false
  replicas: 1
  resources: {}
env: production
gwl:
  host: getworklink.com
  istio_injection: false
  replicas: 1
  resources: {}
  use_formatted_host: true
hostnames:
  - scopear.example.com
iot:
  config:
    istio_injection: false
    mongodb: {}
    mqtt:
      host: scopear-iot-mosquitto-headless
      port: 30883
      protocol: mqtts
    simulator:
      enabled: false
      port: 3001
```

```
    enabled: false
    port: 9000
    resources: {}
    ssl_enabled: true
  istioAPIVersion: networking.istio.io/v1
  istioGatewayName: istio-system/scopear-gateway
  minio:
    enabled: false
    istio_injection: false
    resources: {}
    storage_size: 100Gi
  mongodb:
    enabled: false
    istio_injection: false
    replicas: 1
    resources: {}
    storage_size: 100Gi
  mysql:
    enabled: false
    istio_injection: false
    replicas: 1
    resources: {}
    storage_size: 100Gi
  on-prem: true
  postgres:
    database: superset
    enabled: false
    istio_injection: false
    replicas: 1
    resources: {}
    storage_size: 25Gi
    username: scopear
  qdrant:
    enabled: false
    istio_injection: false
    replicas: 1
    resources: {}
    storage_class_name: default
    storage_size: 5Gi
  redis:
    enabled: false
    istio_injection: false
    replicas: 1
    resources: {}
    storage_size: 10Gi
  stripPublicRegistry: false
  superset:
    config:
```

```
      istio_injection: false
      mcp_server_enabled: false
      redis_celery_db: 1
      redis_results_db: 1
    enabled: false
    replicas: 1
    resources: {}
  xmpp:
    enabled: false
    istio_injection: false
    replicas: 1
    resources: {}
  zeus:
    auto_secret_gen: true
    config:
      encryption_cert: scopear-zeus-encryption
      istio_injection: false
      port: 24000
      redis:
        database: 10
        host: scopear-redis.redis.svc.cluster.local
        port: 6379
        use_auth: false
    enabled: false
    replicas: 1
    resources:
      limits:
        cpu: "2"
        memory: 4Gi
      requests:
        cpu: 500m
        memory: 1Gi
```

`scopear_k8s_sample.yaml`

```
# Generated by hack/generate-docs-samples — do not edit by hand.
# Kitchen-sink example with SetDefaults() applied. Delete or change values as needed.
# Generic Kubernetes ScopeAR environment with full defaulted component tree.
apiVersion: k8s.scopear.com/v1
kind: ScopeAR
metadata:
  name: scopear
  namespace: scopear
spec:
  ai:
    config:
      airbrake:
        enabled: false
      helicone_api_url: https://oai.hconeai.com/v1
      istio_injection: false
      mongodb:
        host: mongodb
        port: 27017
      qdrant_url: http://qdrant:6333
      storage:
        minio_server_address: minio
        minio_server_port: 443
        minio_server_use_ssl: true
        provider: aws
      true_openai_queries: false
    enabled: false
    replicas: 1
    resources:
      limits:
        cpu: 500m
        memory: 1000Mi
      requests:
        cpu: 200m
        memory: 500Mi
  apply_virtual_service: true
  c2:
    api:
      airbrake:
        enabled: false
      replicas: 1
      resources:
        limits:
          cpu: 500m
          memory: 3000Mi
        requests:
          cpu: 200m
          memory: 3000Mi
    client:
```

```
      airbrake:
        enabled: false
      analytics: false
      replicas: 1
      resources:
        limits:
          cpu: "1"
          memory: 1000Mi
        requests:
          cpu: 100m
          memory: 100Mi
    config:
      cad_pipeline:
        flex_host: flex-op.scopear.com
        flex_port: 27001
        processing_mode: none
        query_time: 10000
      istio_injection: false
      job_query_time: 100
      max_upload_file_size: 2000
      mongodb:
        host: mongodb
        port: 27017
      slidemaster_enabled: true
      storage:
        aws_bucket_region: us-west-2
        minio_client_port: 443
        minio_private_address: minio
        minio_private_port: 9000
        minio_server_use_ssl: true
        storage_provider: aws
      userflow_enabled: false
    enabled: true
    model_converter:
      airbrake:
        enabled: false
      replicas: 1
      resources:
        limits:
          cpu: "2"
          memory: 4000Mi
        requests:
          cpu: 200m
          memory: 4000Mi
    project_packager:
      airbrake:
        enabled: false
      replicas: 1
```

```
      resources:
        limits:
          cpu: "2"
          memory: 5000Mi
        requests:
          cpu: 500m
          memory: 2000Mi
    webapp:
      airbrake: {}
      replicas: 1
      resources:
        limits:
          cpu: "1"
          memory: 1000Mi
        requests:
          cpu: 100m
          memory: 100Mi
  channel: stable
  cluster:
    provider: other
    type: standalone
  cms:
    api:
      replicas: 1
      resources:
        limits:
          cpu: "4"
          memory: 4Gi
        requests:
          cpu: "1"
          memory: 4Gi
    config:
      admin:
        company_name: Scope AR
        email_address: support@scopear.com
        first_name: ScopeAR
        last_name: Support
        phone_number: 780-555-1234
        support_admin_email_address: support@scopear.com
      airbrake:
        enabled: false
      auth_method: db
      coturn:
        enable_multi_region: false
        enabled: false
        label: us-east-1
        tunnel_external_host: proxy-aws-us.scopear.com
        tunnel_external_port: 443
```

```
    turn_external_host: proxy-aws-us.scopear.com
    turn_external_port: 3478
    turn_protocol: udp
  hubspot: {}
  istio_injection: false
  jwt_token_verification: true
  ldap:
    enabled: false
  log_level: info
  metabase:
    calling_dashboard_id: 206
    company_dashboard_id: 330
    enabled: false
    scenario_dashboard_id: 204
  mysql:
    aws_iam_auth_type: instance_profile_credentials
    aws_rds_region: us-west-2
    database: scopear_cms
    host: scopear-mysql.mysql.svc.cluster.local
    port: 3306
    use_iam_auth: false
    username: scopecms
  open_id:
    enabled: false
  puma_timeout: 120
  redis:
    host: scopear-redis.redis.svc.cluster.local
    port: 6379
  sentry:
    enabled: false
  smtp:
    auth_type: plain
    email_format: all
    enable_starttls_auto: true
    openssl_verify_mode: none
  storage:
    default_bucket: scopear-data
    default_region: us-west-2
    enable_multi_region: false
    file_storage: s3
    storage_size: 100Gi
    storage_ssl_verify: true
  twilio: {}
  userflow_enabled: false
  virus_scan_enabled: false
  zeus:
    enabled: false
    external_host: master.scopear.com
```

```
      external_port: 24000
  sidekiq:
    replicas: 1
    resources: {}
coturn:
  auto_secret_gen: true
  config:
    max_port: 49251
    min_port: 49152
    password: Augmenttheworld2025!
    port: 3478
    protocol: udp
    realm: ScopeAR
    username: scopear
  enabled: false
  replicas: 1
  resources:
    limits:
      cpu: "1"
      memory: 512Mi
    requests:
      cpu: 100m
      memory: 128Mi
dt:
  enabled: false
  istio_injection: false
  replicas: 1
  resources: {}
env: production
gwl:
  host: getworklink.com
  istio_injection: false
  replicas: 1
  resources: {}
  use_formatted_host: true
hostnames:
  - scopear.example.com
iot:
  config:
    istio_injection: false
    mongodb: {}
    mqtt:
      host: scopear-iot-mosquitto-headless
      port: 30883
      protocol: mqtts
    simulator:
      enabled: false
      port: 3001
```

```
    enabled: false
    port: 9000
    resources: {}
    ssl_enabled: true
  istioAPIVersion: networking.istio.io/v1
  istioGatewayName: istio-system/scopear-gateway
  minio:
    enabled: false
    istio_injection: false
    resources: {}
    storage_size: 100Gi
  mongodb:
    enabled: false
    istio_injection: false
    replicas: 1
    resources: {}
    storage_size: 100Gi
  mysql:
    enabled: false
    istio_injection: false
    replicas: 1
    resources: {}
    storage_size: 100Gi
  on-prem: true
  postgres:
    database: superset
    enabled: false
    istio_injection: false
    replicas: 1
    resources: {}
    storage_size: 25Gi
    username: scopear
  qdrant:
    enabled: false
    istio_injection: false
    replicas: 1
    resources: {}
    storage_class_name: default
    storage_size: 5Gi
  redis:
    enabled: false
    istio_injection: false
    replicas: 1
    resources: {}
    storage_size: 10Gi
  stripPublicRegistry: false
  superset:
    config:
```

```
      istio_injection: false
      mcp_server_enabled: false
      redis_celery_db: 1
      redis_results_db: 1
    enabled: false
    replicas: 1
    resources: {}
  xmpp:
    enabled: false
    istio_injection: false
    replicas: 1
    resources: {}
  zeus:
    auto_secret_gen: true
    config:
      encryption_cert: scopear-zeus-encryption
      istio_injection: false
      port: 24000
      redis:
        database: 10
        host: scopear-redis.redis.svc.cluster.local
        port: 6379
        use_auth: false
    enabled: false
    replicas: 1
    resources:
      limits:
        cpu: "2"
        memory: 4Gi
      requests:
        cpu: 500m
        memory: 1Gi
```

`scopear_k8s_eks_sample.yaml`

```
# Generated by hack/generate-docs-samples — do not edit by hand.
# Kitchen-sink example with SetDefaults() applied. Delete or change values as needed.
# Amazon EKS ScopeAR environment with eksRoleArn placeholders.
apiVersion: k8s.scopear.com/v1
kind: ScopeAR
metadata:
  name: scopear-eks
  namespace: scopear
spec:
  ai:
    config:
      airbrake:
        enabled: false
      helicone_api_url: https://oai.hconeai.com/v1
      istio_injection: false
      mongodb:
        host: mongodb
        port: 27017
      qdrant_url: http://qdrant:6333
      storage:
        minio_server_address: minio
        minio_server_port: 443
        minio_server_use_ssl: true
        provider: aws
      true_openai_queries: false
    enabled: false
    replicas: 1
    resources:
      limits:
        cpu: 500m
        memory: 1000Mi
      requests:
        cpu: 200m
        memory: 500Mi
  apply_virtual_service: true
  c2:
    api:
      airbrake:
        enabled: false
      replicas: 1
      resources:
        limits:
          cpu: 500m
          memory: 3000Mi
        requests:
          cpu: 200m
          memory: 3000Mi
    client:
```

```
      airbrake:
        enabled: false
      analytics: false
      replicas: 1
      resources:
        limits:
          cpu: "1"
          memory: 1000Mi
        requests:
          cpu: 100m
          memory: 100Mi
    config:
      cad_pipeline:
        flex_host: flex-op.scopear.com
        flex_port: 27001
        processing_mode: none
        query_time: 10000
      istio_injection: false
      job_query_time: 100
      max_upload_file_size: 2000
      mongodb:
        host: mongodb
        port: 27017
      slidemaster_enabled: true
      storage:
        aws_bucket_region: us-west-2
        minio_client_port: 443
        minio_private_address: minio
        minio_private_port: 9000
        minio_server_use_ssl: true
        storage_provider: aws
      userflow_enabled: false
    eksRoleArn: <aws-role-arn>
    enabled: true
    model_converter:
      airbrake:
        enabled: false
      replicas: 1
      resources:
        limits:
          cpu: "2"
          memory: 4000Mi
        requests:
          cpu: 200m
          memory: 4000Mi
    project_packager:
      airbrake:
        enabled: false
```

```
      replicas: 1
      resources:
        limits:
          cpu: "2"
          memory: 5000Mi
        requests:
          cpu: 500m
          memory: 2000Mi
    webapp:
      airbrake: {}
      replicas: 1
      resources:
        limits:
          cpu: "1"
          memory: 1000Mi
        requests:
          cpu: 100m
          memory: 100Mi
  channel: stable
  cluster:
    provider: aws
    type: eks
  cms:
    api:
      replicas: 1
      resources:
        limits:
          cpu: "4"
          memory: 4Gi
        requests:
          cpu: "1"
          memory: 4Gi
    config:
      admin:
        company_name: Scope AR
        email_address: support@scopear.com
        first_name: ScopeAR
        last_name: Support
        phone_number: 780-555-1234
        support_admin_email_address: support@scopear.com
      airbrake:
        enabled: false
      auth_method: db
      coturn:
        enable_multi_region: false
        enabled: false
        label: us-east-1
        tunnel_external_host: proxy-aws-us.scopear.com
```

```
    tunnel_external_port: 443
    turn_external_host: proxy-aws-us.scopear.com
    turn_external_port: 3478
    turn_protocol: udp
  hubspot: {}
  istio_injection: false
  jwt_token_verification: true
  ldap:
    enabled: false
  log_level: info
  metabase:
    calling_dashboard_id: 206
    company_dashboard_id: 330
    enabled: false
    scenario_dashboard_id: 204
  mysql:
    aws_iam_auth_type: instance_profile_credentials
    aws_rds_region: us-west-2
    database: scopear_cms
    host: scopear-mysql.mysql.svc.cluster.local
    port: 3306
    use_iam_auth: false
    username: scopecms
  open_id:
    enabled: false
  puma_timeout: 120
  redis:
    host: scopear-redis.redis.svc.cluster.local
    port: 6379
  sentry:
    enabled: false
  smtp:
    auth_type: plain
    email_format: all
    enable_starttls_auto: true
    openssl_verify_mode: none
  storage:
    default_bucket: scopear-data
    default_region: us-west-2
    enable_multi_region: false
    file_storage: s3
    storage_size: 100Gi
    storage_ssl_verify: true
  twilio: {}
  userflow_enabled: false
  virus_scan_enabled: false
  zeus:
    enabled: false
```

```
        external_host: master.scopear.com
        external_port: 24000
    eksRoleArn: <aws-role-arn>
    sidekiq:
      replicas: 1
      resources: {}
  coturn:
    auto_secret_gen: true
    config:
      max_port: 49251
      min_port: 49152
      password: Augmenttheworld2025!
      port: 3478
      protocol: udp
      realm: ScopeAR
      username: scopear
    enabled: false
    replicas: 1
    resources:
      limits:
        cpu: "1"
        memory: 512Mi
      requests:
        cpu: 100m
        memory: 128Mi
  dt:
    enabled: false
    istio_injection: false
    replicas: 1
    resources: {}
  env: production
  gwl:
    host: getworklink.com
    istio_injection: false
    replicas: 1
    resources: {}
    use_formatted_host: true
  hostnames:
    - scopear.example.com
  iot:
    config:
      istio_injection: false
      mongodb: {}
      mqtt:
        host: scopear-iot-mosquitto-headless
        port: 30883
        protocol: mqtts
      simulator:
```

```
        enabled: false
        port: 3001
    enabled: false
    port: 9000
    resources: {}
    ssl_enabled: true
istioAPIVersion: networking.istio.io/v1
istioGatewayName: istio-system/scopear-gateway
minio:
    enabled: false
    istio_injection: false
    resources: {}
    storage_size: 100Gi
mongodb:
    enabled: false
    istio_injection: false
    replicas: 1
    resources: {}
    storage_size: 100Gi
mysql:
    enabled: false
    istio_injection: false
    replicas: 1
    resources: {}
    storage_size: 100Gi
on-prem: true
postgres:
    database: superset
    enabled: false
    istio_injection: false
    replicas: 1
    resources: {}
    storage_size: 25Gi
    username: scopear
qdrant:
    enabled: false
    istio_injection: false
    replicas: 1
    resources: {}
    storage_class_name: default
    storage_size: 5Gi
redis:
    enabled: false
    istio_injection: false
    replicas: 1
    resources: {}
    storage_size: 10Gi
stripPublicRegistry: false
```

```
  superset:
    config:
      istio_injection: false
      mcp_server_enabled: false
      redis_celery_db: 1
      redis_results_db: 1
    enabled: false
    replicas: 1
    resources: {}
  xmpp:
    enabled: false
    istio_injection: false
    replicas: 1
    resources: {}
  zeus:
    auto_secret_gen: true
    config:
      encryption_cert: scopear-zeus-encryption
      istio_injection: false
      port: 24000
      redis:
        database: 10
        host: scopear-redis.redis.svc.cluster.local
        port: 6379
        use_auth: false
    enabled: false
    replicas: 1
    resources:
      limits:
        cpu: "2"
        memory: 4Gi
      requests:
        cpu: 500m
        memory: 1Gi
```