SCOPE

ON-PREM DOCUMENTATION

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

Version	3.99.1
Channel	on-prem
Mode	production
Revision	49f2343
Generated	2026-10-20

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- `scopear_k8s_onprem_sample.yaml`
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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. 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. 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. Use it to place workloads on labeled node pools or across failure domains; overly restrictive rules can leave pods unschedulable. [*example:* `\{"nodeAffinity":\{"requiredDuringSchedulingIgnoredDuringExecution":\{"nodeSelectorTerms":[]\}\}\}`]
`securityContext`	PodSecurityContext	No		Defines pod-level security attributes shared by the component's containers. 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. 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. 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.
`ingress`	Ingress	No		Configures the Kubernetes Ingress rendered for the AI service when apply_ingress is enabled.

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. 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. 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. Use it to place workloads on labeled node pools or across failure domains; overly restrictive rules can leave pods unschedulable. [*example:* `\{"nodeAffinity":\{"requiredDuringSchedulingIgnoredDuringExecution":\{"nodeSelectorTerms":[]\}\}\}`]
`securityContext`	PodSecurityContext	No		Defines pod-level security attributes shared by the component's containers. 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. 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. 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. 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. 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. Use it to place workloads on labeled node pools or across failure domains; overly restrictive rules can leave pods unschedulable. [*example:* `\{"nodeAffinity":\{"requiredDuringSchedulingIgnoredDuringExecution":\{"nodeSelectorTerms":[]\}\}\}`]
`securityContext`	PodSecurity Context	No		Defines pod-level security attributes shared by the component's containers. 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. 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. 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. 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. 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. Use it to place workloads on labeled node pools or across failure domains; overly restrictive rules can leave pods unschedulable. [*example:* `\{"nodeAffinity":\{"requiredDuringSchedulingIgnoredDuringExecution":\{"nodeSelectorTerms":[]\}\}\}`]
`securityContext`	PodSecurityContext	No		Defines pod-level security attributes shared by the component's containers. 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. 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. 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. 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. 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. Use it to place workloads on labeled node pools or across failure domains; overly restrictive rules can leave pods unschedulable. [*example:* `\{"nodeAffinity":\{"requiredDuringSchedulingIgnoredDuringExecution":\{"nodeSelectorTerms":[]\}\}\}`]
`securityContext`	PodSecurityContext	No		Defines pod-level security attributes shared by the component's containers. 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. 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. 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.
`ingress`	Ingress	No		Configures the Kubernetes Ingress rendered for the Create host (API and client) when apply_ingress is enabled.

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. 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. 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. Use it to place workloads on labeled node pools or across failure domains; overly restrictive rules can leave pods unschedulable. [*example:* `\{"nodeAffinity":\{"requiredDuringSchedulingIgnoredDuringExecution":\{"nodeSelectorTerms":[]\}\}\}`]

FIELD	TYPE	REQ	DEFAULT	DESCRIPTION
`securityContext`	PodSecurity Context	No		Defines pod-level security attributes shared by the component's containers. 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. 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. 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.
`ingress`	Ingress	No		Configures the Kubernetes Ingress rendered for the WorkLink host when apply_ingress is enabled.

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. Use other for customer-managed or on-premises infrastructure; keep this consistent with type so generated platform integrations are valid.
`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. 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. 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. Use it to place workloads on labeled node pools or across failure domains; overly restrictive rules can leave pods unschedulable. [*example:* `\{"nodeAffinity":\{"requiredDuringSchedulingIgnoredDuringExecution":\{"nodeSelectorTerms":[]\}\}\}`]
`securityContext`	PodSecurity Context	No		Defines pod-level security attributes shared by the component's containers. 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. 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. 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. 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. 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. 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. Use it to place workloads on labeled node pools or across failure domains; overly restrictive rules can leave pods unschedulable. [*example:* `\{"nodeAffinity":\{"requiredDuringSchedulingIgnoredDuringExecution":\{"nodeSelectorTerms":[]\}\}\}`]
`securityContext`	PodSecurity Context	No		Defines pod-level security attributes shared by the component's containers. 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. 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. 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.
`ingress`	Ingress	No		Configures the Kubernetes Ingress rendered for the CMS when apply_ingress is enabled.
`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. 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. 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. Use it to place workloads on labeled node pools or across failure domains; overly restrictive rules can leave pods unschedulable. [*example:* `\{"nodeAffinity":\{"requiredDuringSchedulingIgnoredDuringExecution":\{"nodeSelectorTerms":[]\}\}\}`]
`securityContext`	PodSecurityContext	No		Defines pod-level security attributes shared by the component's containers. 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. 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. 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. 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. 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. 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. 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.
`ingress`	Ingress	No		Configures the Kubernetes Ingress rendered for the IoT simulator when apply_ingress is enabled.

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	`Augmentthe world2025!`	Sets the Coturn password.

FIELD	TYPE	REQ	DEFAULT	DESCRIPTION
`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.
`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. 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. 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. Use it to place workloads on labeled node pools or across failure domains; overly restrictive rules can leave pods unschedulable. [*example:* `\{"nodeAffinity":\{"requiredDuringSchedulingIgnoredDuringExecution":\{"nodeSelectorTerms":[]\}\}\}`]
`securityContext`	PodSecurityContext	No		Defines pod-level security attributes shared by the component's containers. 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. Increase it for production data growth; shrinking an existing claim is generally unsupported by Kubernetes storage providers.

FIELD	TYPE	REQ	DEFAULT	DESCRIPTION
`storage_class_name`	string	No		Selects the Kubernetes StorageClass used for the component's persistent volume claim. Set it when the cluster default is unsuitable or absent; confirm the class exists and supports the access mode required by the workload.
`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. 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. 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. Use it to place workloads on labeled node pools or across failure domains; overly restrictive rules can leave pods unschedulable. [*example:* `\{"nodeAffinity":\{"requiredDuringSchedulingIgnoredDuringExecution":\{"nodeSelectorTerms":[]\}\}\}`]
`securityContext`	PodSecurityContext	No		Defines pod-level security attributes shared by the component's containers. 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. 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. 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
`istio_injection`	boolean	No	`false`	Enables Istio sidecar injection for the workload.
`ingress`	Ingress	No		Configures the Kubernetes Ingress rendered for diagnostic tools when apply_ingress is enabled.

GWL Spec

GWLSpec configures integration with GetWorkLink (GWL).

Appears in - Scope AR Spec

FIELD	TYPE	REQ	DEFAULT	DESCRIPTION
`enabled`	boolean	No	`true`	Enables deployment of the GetWorkLink workload.
`replicas`	integer	No	`1 or the environment-wide replicas value`	Sets the desired number of pod replicas for the component. 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. 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. Use it to place workloads on labeled node pools or across failure domains; overly restrictive rules can leave pods unschedulable. [*example:* `\{"nodeAffinity":\{"requiredDuringSchedulingIgnoredDuringExecution":\{"nodeSelectorTerms":[]\}\}\}`]
`securityContext`	PodSecurityContext	No		Defines pod-level security attributes shared by the component's containers. 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. 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. 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.

FIELD	TYPE	REQ	DEFAULT	DESCRIPTION
`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.
`ingress`	Ingress	No		Configures the Kubernetes Ingress rendered for GetWorkLink when apply_ingress is enabled.

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. 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. 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. Use it to place workloads on labeled node pools or across failure domains; overly restrictive rules can leave pods unschedulable. [*example:* `\{"nodeAffinity":\{"requiredDuringSchedulingIgnoredDuringExecution":\{"nodeSelectorTerms":[]\}\}\}`]
`securityContext`	PodSecurityContext	No		Defines pod-level security attributes shared by the component's containers. 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. 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. 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.
`ingress`	Ingress	No		Configures the Kubernetes Ingress rendered for the IoT service when apply_ingress is enabled.

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

Ingress

Ingress configures the Kubernetes Ingress rendered for a component.

Appears in - AI Spec - C 2 Spec - C 2 Webapp - Cms Spec - Config Simulator - DT Spec - GWL Spec - IOT Spec - Minio Spec - Superset Spec - XMPP Spec

FIELD	TYPE	REQ	DEFAULT	DESCRIPTION
`annotations`	object (keys:string, values:string)	No		Adds annotations to this component's Ingress. Built-in OpenShift annotations stay in the template; a key set here overrides the same built-in key.

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.
`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.
`ingress`	Ingress	No		Configures the Kubernetes Ingress rendered for MinIO when apply_ingress is enabled.

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.

FIELD	TYPE	REQ	DEFAULT	DESCRIPTION
`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.
`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.
`replicas`	integer	No	`1 or the environment-wide replicas value`	Sets the desired number of pod replicas for the component. 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. 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. Use it to place workloads on labeled node pools or across failure domains; overly restrictive rules can leave pods unschedulable. [*example:* `\{"nodeAffinity":\{"requiredDuringSchedulingIgnoredDuringExecution":\{"nodeSelectorTerms":[]\}\}\}`]

FIELD	TYPE	REQ	DEFAULT	DESCRIPTION
`securityContext`	PodSecurity Context	No		Defines pod-level security attributes shared by the component's containers. 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. 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. 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.

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.

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. 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. Put the primary public hostname first; additional entries are aliases used by generated ingress and routing resources. [*validation:* `minItems=1`; *example:* `["worklink.example.com"]`]
`subdomainSuffix`	string	No		Appends a suffix when generating component-specific ingress subdomains. 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. 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. 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. 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. Set this for air-gapped or mirrored on-premises installations; leave it empty to use the registry encoded in the standard image references.
`apply_virtual_service`	boolean	No	`true`	Controls whether rendering includes an Istio VirtualService. Enable it only when the target cluster uses Istio and the referenced gateway already exists; disable it when ingress is managed by another controller.
`apply_ingress`	boolean	No	`false`	Controls whether rendering includes a Kubernetes Ingress for HTTP components. Enable it on OpenShift and other clusters that expose HTTP through an Ingress controller instead of Istio.
`istioAPIVersion`	string	No	`networking.istio.io/v1`	Selects the API version for generated Istio VirtualService resources. Match this to the Istio CRDs installed in the target cluster; prefer v1 unless an older installation requires v1beta1.

FIELD	TYPE	REQ	DEFAULT	DESCRIPTION
`stripPublicRegistry`	boolean	No	`false`	Removes the public registry prefix from standard image references before applying registry overrides. 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. 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. Use this for pinned, mirrored, or development images; omit entries that should follow the selected release channel and global registry settings. [*example:* `[\{"cms":"registry.example.com/scopear/cms:v1.2.3"\}]`]
`logLevel`	string	No	`info`	Sets the default application log level inherited by ScopeAR components. 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. 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. 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. 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. Set this subtree when platform-specific resources or defaults must match EKS, GKE, AKS, OpenShift, or a standalone cluster.
`ai`	AI Spec	No		Configures the AI services subtree, including deployment, connectivity, and runtime settings for ScopeAR AI features. 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. Use it for CMS-specific scaling, persistence, integrations, and runtime overrides in both on-premises and cloud environments.

FIELD	TYPE	REQ	DEFAULT	DESCRIPTION
`c2`	C 2 Spec	No		Configures the C2 service subtree for command-and-control workloads. 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. 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. 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. 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. 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. 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. 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. Use it for GWL-specific deployment, resources, connectivity, and runtime overrides.
`minio`	Minio Spec	No		Configures the MinIO object-storage subtree. 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. Set it for an in-cluster or externally connected MongoDB deployment, and coordinate persistence and credentials with backup and recovery plans.
`mysql`	My SQL Spec	No		Configures the MySQL datastore subtree. 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. Use it for Redis deployment, persistence, resources, and connectivity; align high-availability settings with production requirements.

FIELD	TYPE	REQ	DEFAULT	DESCRIPTION
`qdrant`	Qdrant Spec	No		Configures the Qdrant vector-database subtree used by AI features. 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. 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.
`replicas`	integer	No	`1 or the environment-wide replicas value`	Sets the desired number of pod replicas for the component. 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. 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. Use it to place workloads on labeled node pools or across failure domains; overly restrictive rules can leave pods unschedulable. [*example:* `\{"nodeAffinity":\ {"requiredDuringSchedulingIgnoredDuringExecution":\ {"nodeSelectorTerms":[]\}\}\}`]
`securityContext`	PodSecurity Context	No		Defines pod-level security attributes shared by the component's containers. 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. 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. 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.
`ingress`	Ingress	No		Configures the Kubernetes Ingress rendered for Superset when apply_ingress is enabled.

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. 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. 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. Use it to place workloads on labeled node pools or across failure domains; overly restrictive rules can leave pods unschedulable. [*example:* `\{"nodeAffinity":\{"requiredDuringSchedulingIgnoredDuringExecution":\{"nodeSelectorTerms":[]\}\}\}`]
`securityContext`	PodSecurity Context	No		Defines pod-level security attributes shared by the component's containers. 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. 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. 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.
`ingress`	Ingress	No		Configures the Kubernetes Ingress rendered for XMPP when apply_ingress is enabled.

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. 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. 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. Use it to place workloads on labeled node pools or across failure domains; overly restrictive rules can leave pods unschedulable. [*example:* `\{"nodeAffinity":\{"requiredDuringSchedulingIgnoredDuringExecution":\{"nodeSelectorTerms":[]\}\}\}`]

FIELD	TYPE	REQ	DEFAULT	DESCRIPTION
`securityContext`	PodSecurity Context	No		Defines pod-level security attributes shared by the component's containers. 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. 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. 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
    ingress: {}
    replicas: 1
    resources:
      limits:
        cpu: 500m
        memory: 1000Mi
      requests:
        cpu: 200m
        memory: 500Mi
  apply_ingress: false
  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
    ingress: {}
    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: {}
      ingress: {}
      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
    ingress: {}
    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
    ingress: {}
    istio_injection: false
    replicas: 1
    resources: {}
  env: production
  gwl:
    enabled: true
    host: getworklink.com
    ingress: {}
    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
        ingress: {}
        port: 3001
    enabled: false
    ingress: {}
    port: 9000
    resources: {}
    ssl_enabled: true
  istioAPIVersion: networking.istio.io/v1
  istioGatewayName: istio-system/scopear-gateway
  minio:
    enabled: false
    ingress: {}
    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
    ingress: {}
    replicas: 1
    resources: {}
  xmpp:
    enabled: false
    ingress: {}
    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
    ingress: {}
    replicas: 1
    resources:
      limits:
        cpu: 500m
        memory: 1000Mi
      requests:
        cpu: 200m
        memory: 500Mi
  apply_ingress: false
  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
    ingress: {}
    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: {}
      ingress: {}
      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
  ingress: {}
  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
  ingress: {}
  istio_injection: false
  replicas: 1
  resources: {}
env: production
gwl:
  enabled: true
  host: getworklink.com
  ingress: {}
  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
        ingress: {}
        port: 3001
    enabled: false
    ingress: {}
    port: 9000
    resources: {}
    ssl_enabled: true
  istioAPIVersion: networking.istio.io/v1
  istioGatewayName: istio-system/scopear-gateway
  minio:
    enabled: false
    ingress: {}
    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
    ingress: {}
    replicas: 1
    resources: {}
  xmpp:
    enabled: false
    ingress: {}
    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
    ingress: {}
    replicas: 1
    resources:
      limits:
        cpu: 500m
        memory: 1000Mi
      requests:
        cpu: 200m
        memory: 500Mi
  apply_ingress: false
  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
    ingress: {}
    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: {}
      ingress: {}
      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>
    ingress: {}
    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
    ingress: {}
    istio_injection: false
    replicas: 1
    resources: {}
  env: production
  gwl:
    enabled: true
    host: getworklink.com
    ingress: {}
    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
        ingress: {}
        port: 3001
    enabled: false
    ingress: {}
    port: 9000
    resources: {}
    ssl_enabled: true
  istioAPIVersion: networking.istio.io/v1
  istioGatewayName: istio-system/scopear-gateway
  minio:
    enabled: false
    ingress: {}
    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
    ingress: {}
    replicas: 1
    resources: {}
  xmpp:
    enabled: false
    ingress: {}
    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
```