

# Appian Platform (CS) Helm Chart

A Helm chart for deploying the Appian platform on Kubernetes. This Helm chart is supplied by Appian Customer Success via the Appian App Market.

This chart deploys a single custom resource of type `appian` that is managed by the [Appian Operator](#).

## Introduction

This chart facilitates the deployment of Appian sites through templated support for common options while baking-in best practice configurations.

## Prerequisites

- [Deployment prerequisites](#)
- [Appian operator](#)

## Usage

### Review templated custom resource specification

Want to see what custom resource specification your values file would produce? You can preview your Appian custom resource manifest by preparing your values file and running the following:

```
helm template -f values.yaml appian-platform-cs-$CHART_VERSION.tgz > appian-site.yaml
```

Note: You need to substitute the placeholder `CHART_VERSION` with the version of chart you are using. A YAML file that specifies the values for the parameters must be provided (e.g. `values.yaml`).

Or if you have already deployed the chart to your Helm repository:

```
helm template -f values.yaml oci://$REGISTRY_NAME/$REPOSITORY_NAME/appian-platform-cs --version $CHART_VERSION > appian-site.yaml
```

Note: You need to substitute the placeholders `REGISTRY_NAME` and `REPOSITORY_NAME` with a reference to your Helm chart registry and repository. A YAML file that specifies the values for the parameters must be provided (e.g. `values.yaml`).

### Deploying or restarting the Appian site (Installing the chart)

To install the chart with the release name `$SITE_NAME`:

```
helm install $SITE_NAME --namespace appian -f values.yaml --wait  
oci://$REGISTRY_NAME/$REPOSITORY_NAME/appian-platform-cs --version $CHART_VERSION
```

Note: You need to substitute the placeholders `REGISTRY_NAME` and `REPOSITORY_NAME` with a reference to your Helm chart registry and repository. A YAML file that specifies the values for the parameters must be provided (e.g. `values.yaml`) while installing the chart.

## Stopping the Appian site (Deleting the chart)

To stop the Appian site with the release name `$SITE_NAME`:

```
helm uninstall $SITE_NAME --namespace appian
```

This will not delete the Persistent Volume Claims nor the associated RDBMS and as such leaves the site's data in place ready for when the site is next started again.

## Upgrading or hotfixing the Appian site

To upgrade the Appian site to a new major version, or to hotfix the site with newer container images for the same major version:

1. [Stop the Appian site](#) (Ensure the site stops cleanly with all checkpoints completed).
2. Update the value of `url` in your values file to reference your new target version
3. [Start the Appian site](#)

Ensure you check the [operator release notes](#) and [platform release notes](#) before upgrading an Appian site and provision the relevant container images and Operator Helm chart in your container registry.

## Example values files

This section provides some sample values files illustrating certain configuration options.

Note: These few examples are not exhaustive and do not represent all possible configurations.

### Example 1 - Non-HA, MariaDB, AWS Load Balancer

Spec overview:

- Non-HA
- T-shirt size "small"
- MariaDB primary data source
- AWS Load Balancer ingress, with SSL configured via an AWS certificate

```
siteName: company-proj-dev
version: "24.1.100.0"
url: https://proj-dev.company.com
staticUrl: https://proj-dev.company-static.com
dynamicUrl: https://proj-dev.company-dynamic.com
# T-shirt size "small"
tshirtSize: small
workerNodeTotalCpu: 8
# Non-HA
highAvailability: false
storage:
  rwoStorageClassName: "my-ebs-sc"
  sharedLogsPvc: "appian-shared-logs-pvc"
images:
  imagePullSecrets:
```

```

- regcred
appian:
  repository: "my.container.registry.com/appian"
minimal:
  repository: alpine
  tag: "3.18.0"
smtp:
  senderAddress: "my_from_address@my_domain.com"
  senderDomain: "my_domain.com"
  host: "my.smtp.server.smtp.com"
  auth: true
  user: "my_user_name"
  protocol: "smtp"
  starttlsEnabled: false
  starttlsRequired: false
dataSources:
  # MariaDB primary data source
  primary:
    dbType: mariadb
    dbServerAndPort: my.database.server.com:3306
    schemaName: "appian_primary"
    username: "appian"
    passwordSecretKeyRef:
      name: "password-secret-appian-primary-ds"
      key: "password"
ingressTemplate:
  # AWS Load Balancer ingress
  name: alb
  # SSL configured via an AWS certificate
  certificateReference: "my-cert-arn"

```

## Example 2 - HA, MySQL, NGINX

Spec overview:

- HA
- T-shirt size "medium"
- MySQL primary and one business data source
- MySQL JDBC driver deployment (Note that when specifying `dataSources.mysqlDriverConfigMapName` you must have already [provisioned the referenced configmap](#))
- NGINX ingress, with SSL configured via TLS field
- Node selector targeting dedicated Appian node group
- Kafka storage size (set by t-shirt size template) overridden

```

siteName: company-proj-dev
version: "24.1.100.0"
url: https://proj-dev.company.com
staticUrl: https://proj-dev.company-static.com
dynamicUrl: https://proj-dev.company-dynamic.com
# T-shirt size "medium"
tshirtSize: medium

```

```
workerNodeTotalCpu: 8
# HA
highAvailability: true
# Node selector targeting dedicated Appian node group
nodeSelector:
  my-node-group-label-key: my-node-group-label-value
storage:
  rwoStorageClassName: "my-rwo-sc"
  sharedLogsPvc: "appian-shared-logs-pvc"
  haSharedDataPvc: "appian-shared-data-pvc"
images:
  appian:
    repository: "my.container.registry.com/appian"
  minimal:
    repository: alpine
    tag: "3.18.0"
smtp:
  senderAddress: "my_from_address@my_domain.com"
  senderDomain: "my_domain.com"
  host: "my.smtp.server.smtp.com"
  auth: true
  user: "my_user_name"
  protocol: "smtp"
  starttlsEnabled: false
  starttlsRequired: false
dataSources:
  # MySQL JDBC driver deployment
  mysqlDriverConfigMapName: "mysql-driver-jar"
  # MySQL primary
  primary:
    name: jdbc/AppianPrimary
    dbType: mysql
    dbServerAndPort: my.database.server.com:3306
    schemaName: "appian_primary"
    username: "appian_primary_user"
    passwordSecretKeyRef:
      name: "password-secret-appian-primary-ds"
      key: "password"
  # one business data source
  business:
    - name: jdbc/Appian
      dbType: mysql
      dbServerAndPort: my.database.server.com:3306
      schemaName: "appian"
      username: "appian_user"
      passwordSecretKeyRef:
        name: "password-secret-appian-business-ds"
        key: "password"
ingressTemplate:
  # NGINX ingress
  name: nginx
  # SSL configured via TLS field
  tls:
    - hosts:
      - proj-dev.company.com
      - proj-dev.company-static.com
```

```
- proj-dev.company-dynamic.com
secretName: appian-ingress-tls-secret
# kafka storage size (set by t-shirt size template) overridden
kafka:
  storageSize: "60Gi"
```

## Limitations

A number of fields in the Custom Resource are immutable. These must not be modified for a running site, so any Helm upgrades to the chart must avoid changing these values. To be able to change these immutable fields, the Appian site needs to be stopped (by [deleting the chart](#)) and restarted (by [installing the chart](#) with updated values).

As `version` is one of these immutable fields, Appian hotfixes and major version upgrades cannot be applied using `helm upgrade` and require the site to be stopped and restarted as above.

## T-Shirt Sizes

This Helm chart uses a `tshirtSize` parameter to apply default values for a range of size- and scaling-related parameters, which can then be fine-tuned using [component-level overrides](#). An appropriate t-shirt size should be chosen as a starting configuration. Performance testing should be used to determine whether to change t-shirt size or, alternatively, to override certain parameters set by t-shirt size templates.

For example, a site with higher process throughput may require larger Kafka storage and additional resources for just the execution engines - which can be achieved by overriding just those parameters, while all other relevant parameters are left as set by the chosen t-shirt size.

The table below provides very rough guidelines for each t-shirt size, including the expected resources required to run each size.

T-Shirt Size	Purpose	Resources Required (Non-HA)	Resources Required (HA)
<code>small</code>	Development or Single Application	8-16 CPU / 64-128 GB RAM 110 GB RWO 100 GB RWX (Logs)	CPU / RAM x3 195 GB RWO 200 GB RWX (Logs) / 100 GB RWX (Data)
<code>medium</code>	Departmental adoption	16-32 CPU / 128-256 GB RAM 145 GB RWO 150 GB RWX (Logs)	CPU / RAM x3 300 GB RWO 300 GB RWX (Logs) / 200 GB RWX (Data)
<code>large</code>	Enterprise adoption	32-64 CPU / 256-512 GB RAM 190 GB RWO 200 GB (Logs)	CPU / RAM x3 351 GB RWO 400 GB RWX (Logs) / 300 GB RWX (Data)

# Parameters

## General parameters

Key	Type	Default	Description	Required	CRD Field(s) Impacted
<code>siteName</code>	string	""	Appian site name. Must match the wildcard pattern of the licenses provided. See <a href="#">request licenses</a> . <b>This field is immutable.</b>	true	<code>metadata.name</code>
<code>version</code>	string	""	The Low-Code Platform (LCP) version. This field will be required in a future release. <b>This field is immutable.</b>	true	<code>spec.version</code>
<code>url</code>	string	""	The scheme, host, and, optionally, port used to access Appian (e.g. <code>https://appian.example.com</code> , <code>http://appian.example.com:32767</code> , etc). For sites with a single Webapp replica, updating this field requires restarting Webapp's pod.	true	<code>spec.url</code>
<code>staticUrl</code>	string	""	The scheme, host, and, optionally, port for Appian's static content URL (e.g. <code>https://appian.example-static.com</code> , <code>http://appian.example-static.com:32767</code> , etc). The scheme must be the same as that defined in <code>spec.url</code> . Must use a different domain from <code>spec.url</code> and <code>dynamicUrl</code> . For sites with a single Webapp replica, updating this field requires restarting Webapp's pod. See <a href="#">Configure Your Static and Dynamic Content URLs</a> for more info.	false	<code>spec.webapp.staticUrl</code>
<code>dynamicUrl</code>	string	""	The scheme, host, and, optionally, port for Appian's dynamic content URL (e.g. <code>https://appian.example-dynamic.com</code> , <code>http://appian.example-dynamic.com:32767</code> , etc). The scheme must be the same as that defined in <code>spec.url</code> . Must use a different domain from <code>spec.url</code> and <code>staticUrl</code> . For sites with a single Webapp replica, updating this field requires restarting Webapp's pod. See <a href="#">Configure Your Static and Dynamic Content URLs</a> for more info.	false	<code>spec.webapp.dynamicUrl</code>
<code>k3LicSecretName</code>	string	"k3lic"	Name of the existing secret containing the <code>k3.lic</code> file. Defaults to <code>k3lic</code> . For sites with a single replica of service-manager, updating this field requires restarting all service-manager pods.	true	<code>spec.k3LicSecretName</code>
<code>k4LicSecretName</code>	string	"k4lic"	Name of the existing secret containing the <code>k4.lic</code> file. Defaults to <code>k4lic</code> . For sites with a single Data Server replica, updating this field requires restarting Data Server's pod.	true	<code>spec.k4LicSecretName</code>
<code>appianLicConfigMapName</code>	string	"appian-lic"	Name of the existing config map containing the <code>appian.lic</code> file.	true	<code>spec.appianLicConfigMapName</code>
<code>tshirtSize</code>	string	""	One of "small", "medium", "large". Changing <code>tshirtSize</code> after an initial deployment will not automatically affect all sizings driven by it (e.g. disk volume sizes will not change). <b>This field is immutable.</b> See <a href="#">T-Shirt Sizes</a> .	true	Multiple fields across all components.
<code>workerNodeTotalCpu</code>	int or string	nil	Total CPU on any given K8s worker node running Appian. Can be overridden for a specific component by setting <code>[component].cpuLimits</code> .	true	<code>spec.[component].resources.limits.cpu</code>
<code>highAvailability</code>	bool	false	Determines whether the environment will be deployed in a High Availability (HA) configuration. Changing <code>highAvailability</code> after an initial deployment will not automatically change the topology of the site. <b>This field is immutable.</b>	false	Multiple fields across all components.
<code>additionalCustomProperties</code>	object	{}	Additional custom properties in addition to <code>conf.appserver.maxHeapSize</code> and <code>conf.mailhandler.SMTP</code> properties, which are set by the chart automatically. See <a href="#">Custom Properties</a> for more info.	false	<code>spec.customProperties</code>
<code>nodeSelector</code>	object	{}	A selector which must be true for the components' pod(s) to fit on a node. See <a href="#">nodeSelector</a> for more info. Can be overridden for a specific component by setting <code>[component].nodeSelector</code> .	false	<code>spec.[component].nodeSelector</code>
<code>rbac</code>	object	{}	Configuration for creating RBAC resources.	false	<code>spec.rbac</code>

Key	Type	Default	Description	Required	CRD Field(s) Impacted
<code>networkPolicies</code>	object	<code>{}</code>	Configuration for creating network policy resources.	false	<code>spec.networkPolicies</code>
<code>additionalLabels</code>	object	<code>{}</code>	Additional labels for created objects - including pods. <i>For stateful components with a single replica, updating this field requires restarting the component's pod.</i>	false	<code>spec.additionalLabels</code>

## Storage parameters

Key	Type	Default	Description	Required	CRD Field(s) Impacted
<code>rwoStorageClassName</code>	string	<code>""</code>	Name of an existing Storage Class for provisioning ReadWriteOnce (RWO) storage for the Appian stateful pods. Changing <code>rwoStorageClassName</code> after an initial deployment will not automatically change the storage class of the provisioned RWO volumes.	true	<code>spec.[component].volumeClaimTemplateSpec.storageClassName</code>
<code>sharedLogsPvc</code>	string	<code>""</code>	Name of an existing ReadWriteMany (RWX) persistent volume claim to be used for Appian shared logs (aka <a href="#">Health Check</a> ) storage. Must differ from <code>haSharedDataPvc</code> . <b>This field is immutable.</b> See <a href="#">Persistent Volumes</a> for more info.	true	<code>spec.webapp.healthCheckExistingClaim</code>
<code>haSharedDataPvc</code>	string	<code>""</code>	Name of an existing ReadWriteMany (RWX) persistent volume claim to be used for shared data in a HA configuration. Must differ from <code>sharedLogsPvc</code> . <b>This field is immutable.</b> See <a href="#">Persistent Volumes</a> for more info.	false <b>Required when <code>highAvailability</code> is <code>true</code>.</b>	<code>spec.webapp.haExistingClaim</code> , <code>spec.serviceManager.haExistingClaim</code>

## Images parameters

Key	Type	Default	Description	Required	CRD Field(s) Impacted
<code>images.imagePullSecrets</code>	list	<code>[]</code>	Names of existing image pull secrets. See <a href="#">Pull an Image from a Private Registry</a> for more info.	false	<code>spec.imagePullSecrets</code>
<code>images.appian.repository</code>	string	<code>""</code>	The URL to which <code>/[component]</code> can be added to reference each of the Appian component container images (e.g. <code>my.container.registry.com/appian</code> )	true	<code>spec.[component].image.repository</code>
<code>images.minimal.repository</code>	string	<code>busybox</code>	The path to the minimal container image to use where required. This should be the full image path (e.g. <code>my.container.registry.com/alpine</code> or <code>busybox</code> ).	true	<code>httpd.nslookupImage.repository</code> Any init containers configured by the chart
<code>images.minimal.tag</code>	string	<code>""</code>	The tag to use for the minimal image	true	<code>httpd.nslookupImage.tag</code> Any init containers configured by the chart

## SMTP parameters

Key	Type	Default	Description	Required	CRD Field(s) Impacted
<code>smtp.senderAddress</code>	string	<code>""</code>	The address that will appear as the sender (the "From" address) of notification and password reset emails from the system	false	<code>spec.customProperties</code>
<code>smtp.senderDomain</code>	string	<code>""</code>	The domain (portion after the "@") for the "from" email address for addresses created via expressions functions; also applies to the domain for alert emails when the custom property <code>conf.mailhandler.ntf_sndr_addr</code> is not set	false	<code>spec.customProperties</code>

Key	Type	Default	Description	Required	CRD Field(s) Impacted
<code>smtp.host</code>	string	""	The host is the FQDN, hostname, or IP address of the SMTP server for sending email from the system. Multiple SMTP servers can be specified using a comma-separated list. They will be tried in the order specified. If a port other than 25 is required, append it to the hostname (e.g. <code>mailhost3:9025</code> ). If this is not set, no email will be sent from the system	false	<code>spec.customProperties</code>
<code>smtp.auth</code>	bool	false	Set to <code>true</code> if user/password authentication to the SMTP server is used. Leave the default ( <code>false</code> ) to indicate that the SMTP server does not require authentication. If multiple SMTP servers are defined above, the same auth settings will apply to all servers	false	<code>spec.customProperties</code>
<code>smtp.user</code>	string	""	The username used to connect to the SMTP server	false	<code>spec.customProperties</code>
<code>smtp.protocol</code>	string	"smtp"	The protocol should be set to either <code>smtp</code> or <code>smtps</code> .	false	<code>spec.customProperties</code>
<code>smtp.starttlsEnabled</code>	string	""	You can enable or require STARTTLS with the <code>smtp</code> protocol. Setting <code>smtp.starttlsEnabled</code> to <code>true</code> will cause outgoing mail to use STARTTLS if supported by the remote server, but will fall back to plain smtp otherwise	false	<code>spec.customProperties</code>
<code>smtp.starttlsRequired</code>	string	""	Setting <code>smtp.starttlsRequired</code> to <code>true</code> will cause mail to fail if the remote server does not support STARTTLS	false	<code>spec.customProperties</code>

## Data Sources parameters

The `datasources` field allows primary and business data sources to be configured with ease via built-in templates for each [supported RDBMS](#).

Key	Type	Default	Description	Required	CRD Field(s) Impacted
<code>datasources.primary</code>	<a href="#">Data Source Template</a> object	<code>{}</code>	The data source for the Appian primary database. See <a href="#">Data Source Template parameters</a> .	true	<code>spec.webapp</code> <code>.datasources.primary</code>
<code>datasources.business</code>	<a href="#">Data Source Template</a> list	<code>[]</code>	Optional business data sources. List of <a href="#">Data Source Template</a> .	false	<code>spec.webapp</code> <code>.datasources.primary</code>
<code>datasources.mysqlDriverConfigMapName</code>	string	""	The name of a ConfigMap containing the MySQL JDBC driver. If using any MySQL data sources, this enables the deployment of the required MySQL JDBC driver via a webapp init container. Create the ConfigMap via: <pre>kubectl -n \$SITE_NAMESPACE create configmap mysql-driver-jar --from-file=.mysql-connector-java-5.1.x.jar</pre>	false	<code>spec.webapp.initContainers</code> <code>spec.webapp.additionalVolumes</code>



## Data Source Template parameters

The following parameters are available for `dataSources.primary` and for each item in the list `dataSources.business`. The chart's Data Source Templates make it simpler to apply the correct configurations for each data source with fewer, simpler parameters to be configured.

Key	Type	Default	Description	Required	CRD Field(s) Impacted
<code>name</code>	string	"jdbc/AppianPrimary" for <code>dataSources.primary.name</code> "" for <code>dataSources.business.[].name</code>	The JNDI name for the data source.	true	<code>spec.webapp.dataSources.[primary/business.[]].name</code>
<code>dbType</code>	string	""	One of "mariadb", "mysql", "mysql-aurora", "oracle", "mssql", "postgresql", "postgresql-aurora", "db2". If "mysql" the field <code>dataSources.mysqlDriverConfigMapName</code> can optionally be used to deploy the MySQL JDBC driver.	true	<code>spec.webapp.dataSources.[primary/business.[]].driverClassName</code> <code>spec.webapp.dataSources.[primary/business.[]].url</code>
<code>dbServerAndPort</code>	string	""	The server and port for the target database (e.g. <code>my.database.com:3306</code> ).	true	<code>spec.webapp.dataSources.[primary/business.[]].url</code> or <code>spec.webapp.dataSources.[primary/business.[]].url</code>
<code>schemaName</code>	string	"appian_primary" for <code>dataSources.primary.name</code> "" for <code>dataSources.business.[].name</code>	The schema name for the target database. For Oracle this is the service name. For MS SQL this is the database name.	true	<code>spec.webapp.dataSources.[primary/business.[]].url</code> or <code>spec.webapp.dataSources.[primary/business.[]].url</code>
<code>urlParameters</code>	string	""	A string of appropriately separated connection string query parameters. For MySQL and MariaDB do not include <code>useOldAliasMetadataBehavior</code> (this is prepended by the chart). For MSSQL do not include <code>databaseName</code> or <code>socketTimeout</code> (these are prepended by the chart). Do not include leading <code>?</code> , <code>;</code> or <code>&amp;</code> at the start.	false	<code>spec.webapp.dataSources.[primary/business.[]].url</code> or <code>spec.webapp.dataSources.[primary/business.[]].url</code>
<code>username</code>	string	""	The username used to connect to the data source. Mutually exclusive with <code>dataSources.[primary/business.[]].usernameSecretKeyRef</code> .	false	<code>spec.webapp.dataSources.[primary/business.[]].username</code> or <code>spec.webapp.dataSources.[primary/business.[]].username</code>
<code>usernameSecretKeyRef</code>	string	""	Secret reference (name and key) to an existing secret holding the username used to connect to the data source. Mutually exclusive with <code>dataSources.[primary/business.[]].username</code> .	false	<code>spec.webapp.dataSources.[primary/business.[]].usernameSecretKeyRef</code> or <code>spec.webapp.dataSources.[primary/business.[]].usernameSecretKeyRef</code>
<code>passwordSecretKeyRef.name</code>	string	"password-secret-appian-primary-ds" for <code>dataSources.primary.name</code> "" for <code>dataSources.business.[].name</code>	Name of an existing secret holding the password used to connect to the data source.	true	<code>spec.webapp.dataSources.[primary/business.[]].passwordSecretKeyRef.name</code>
<code>passwordSecretKeyRef.key</code>	string	"password" for <code>dataSources.primary.name</code> "" for <code>dataSources.business.[].name</code>	Key within the existing secret <code>dataSources.primary.passwordSecretKeyRef.name</code> holding the password used to connect to the data source.	true	<code>spec.webapp.dataSources.[primary/business.[]].passwordSecretKeyRef.key</code>
<code>attributes</code>	string	""	Optionally replaces the default set of attributes in <code>spec.webapp.dataSources.[primary/business.[]].attributes</code> . If not provided, the chart applies the default set of attributes as defined in <a href="#">Configuring Relational Databases</a> .	false	<code>spec.webapp.dataSources.[primary/business.[]].attributes</code>

## Ingress Template parameters

The `ingressTemplate` field allows an ingress to be configured with ease via built-in templates for 3 popular ingress controllers: [NGINX Ingress Controller](#), [AWS Load Balancer Controller](#) and [Azure Application Gateway Ingress Controller \(AGIC\)](#). These templates apply standard annotations required for each ingress class.

If you are using another ingress controller, configure this using [Ingress](#) instead.

Key	Type	Default	Description	Required	CRD Field(s) Impacted
<code>ingressTemplate.name</code>	string	""	One of "nginx", "alb", "agic". The ingress template to apply.	true	<code>spec.ingress.ingressClassName</code>

Key	Type	Default	Description	Required	CRD Field(s) Impacted
<code>ingressTemplate</code> <code>.certificateReference</code>	string	""	For <code>a1b</code> , this is the <code>certificate-arn</code> . For <code>agic</code> this is <code>appgw-ssl-certificate</code>	false	<code>spec.ingress.annotations</code>
<code>ingressTemplate</code> <code>.additionalAnnotations</code>	object	{}	Annotations to configure in addition to those deployed by the chosen ingress template.	false	<code>spec.ingress.annotations</code>
<code>ingressTemplate</code> <code>.tls</code>	list	[]	Configuration for TLS. Not necessary if using <code>ingressTemplate.certificateReference</code> for <code>a1b</code> or <code>agic</code> . See <a href="#">TLS</a> for more info.	false	<code>spec.ingress.tls</code>
<code>ingressTemplate</code> <code>.hostname</code>	string	""	The hostname used to create the ingress. Useful if you'd like ingress to use an internal hostname different from that used to access Applan. Defaults to the hostname defined in <code>url</code> .	false	<code>spec.ingress.hostname</code>
<code>ingressTemplate</code> <code>.staticHostname</code>	string	""	The hostname for Applan's static content URL used to create the ingress. Useful if you'd like ingress to use an internal hostname different from that used to access Applan. Defaults to the hostname defined in <code>staticurl</code> .	false	<code>spec.ingress.staticHostname</code>
<code>ingressTemplate</code> <code>.dynamicHostname</code>	string	""	The hostname for Applan's dynamic content URL used to create the ingress. Useful if you'd like ingress to use an internal hostname different from that used to access Applan. Defaults to the hostname defined in <code>dynamicurl</code> .	false	<code>spec.ingress.dynamicHostname</code>
<code>ingressTemplate</code> <code>.healthcheckIntervalSeconds</code>	string	""	Override ingress template value if chosen template applies this value.	false	<code>spec.ingress.annotations</code>
<code>ingressTemplate</code> <code>.healthcheckPath</code>	string	""	Override ingress template value if chosen template applies this value.	false	<code>spec.ingress.annotations</code>
<code>ingressTemplate</code> <code>.healthcheckPort</code>	string	""	Override ingress template value if chosen template applies this value.	false	<code>spec.ingress.annotations</code>
<code>ingressTemplate</code> <code>.healthcheckProtocol</code>	string	""	Override ingress template value if chosen template applies this value.	false	<code>spec.ingress.annotations</code>
<code>ingressTemplate</code> <code>.healthcheckTimeoutSeconds</code>	string	""	Override ingress template value if chosen template applies this value.	false	<code>spec.ingress.annotations</code>
<code>ingressTemplate</code> <code>.healthcheckHealthyThresholdCount</code>	string	""	Override ingress template value if chosen template applies this value.	false	<code>spec.ingress.annotations</code>
<code>ingressTemplate</code> <code>.healthcheckUnhealthyThresholdCount</code>	string	""	Override ingress template value if chosen template applies this value.	false	<code>spec.ingress.annotations</code>
<code>ingressTemplate</code> <code>.listenPorts</code>	string	""	Override ingress template value if chosen template applies this value.	false	<code>spec.ingress.annotations</code>
<code>ingressTemplate</code> <code>.loadBalancerName</code>	string	""	Override ingress template value if chosen template applies this value.	false	<code>spec.ingress.annotations</code>
<code>ingressTemplate</code> <code>.scheme</code>	string	""	Override ingress template value if chosen template applies this value.	false	<code>spec.ingress.annotations</code>
<code>ingressTemplate</code> <code>.usePrivateIp</code>	string	""	Override ingress template value if chosen template applies this value.	false	<code>spec.ingress.annotations</code>
<code>ingressTemplate</code> <code>.trustedRootCertificate</code>	string	""	Override ingress template value if chosen template applies this value.	false	<code>spec.ingress.annotations</code>
<code>ingressTemplate</code> <code>.successCodes</code>	string	""	Override ingress template value if chosen template applies this value.	false	<code>spec.ingress.annotations</code>
<code>ingressTemplate</code> <code>.targetType</code>	string	""	Override ingress template value if chosen template applies this value.	false	<code>spec.ingress.annotations</code>
<code>ingressTemplate</code> <code>.requestTimeout</code>	string	""	Override ingress template value if chosen template applies this value.	false	<code>spec.ingress.annotations</code>

## Replication parameters

The `replication` parameters enable a site to be configured for Kafka real-time transaction replication via MirrorMaker for Kafka mirroring. The site can be configured either as a replication source or destination using these parameters.

Key	Type	Default	Description	Required	CRD Field(s) Impacted
<code>replication.mirrorMaker.mode</code>	string	""	One of <code>source</code> , <code>destination</code> . Setting <code>replication.mirrorMaker.mode</code> to <code>source</code> configures this site's Kafka component to expose listeners for a destination site to replicate transactions. Setting <code>replication.mirrorMaker.mode</code> to <code>destination</code> configures this site's MirrorMaker component to deploy the site in replication mode.	false	<code>spec.kafka</code> (when <code>replication.mirrorMaker.mode</code> is <code>source</code> ) <code>spec.mirrorMaker</code> (when <code>replication.mirrorMaker.mode</code> is <code>destination</code> )
<code>replication.mirrorMaker.listeners</code>	list	[]	List of externally addressable Kafka hosts in the source site, used by MirrorMaker in the destination site. The order of the listeners must match the order of Kafka's pods.	false <b>Required when</b> <code>replication.mirrorMaker.mode</code> is set.	<code>spec.kafka.mirrorMakerListeners</code> (when <code>replication.mirrorMaker.mode</code> is <code>source</code> ) <code>spec.mirrorMaker.sourceBrokers</code> (when <code>replication.mirrorMaker.mode</code> is <code>destination</code> )

## Per-Component overrides and additional parameters

Overrides for fields set automatically based on general parameters (e.g. via `tshirtSize`) and additional optional parameters can be specified at component-level.

### Zookeeper

Key	Type	Default	Description	Required	CRD Field(s) Impacted
<code>zookeeper.minHeap</code>	string	""	Override the environment variable <code>ZK_HEAP_MIN</code> set by <code>tshirtSize</code> .	false	<code>spec.zookeeper.env</code>
<code>zookeeper.maxHeap</code>	string	""	Override the environment variable <code>ZK_HEAP_MAX</code> set by <code>tshirtSize</code> .	false	<code>spec.zookeeper.env</code>
<code>zookeeper.storageSize</code>	string	""	Override the size of the component's RWO volumes set by <code>tshirtSize</code> . Changing this value after an initial deployment will not automatically resize the volumes. <b>This field is immutable.</b>	false	<code>spec.zookeeper</code> <code>.volumeClaimTemplateSpec.resources</code> <code>.requests.storage</code>
<code>zookeeper.cpuRequests</code>	int or string	""	Override the component's CPU requests set by <code>tshirtSize</code> .	false	<code>spec.zookeeper</code> <code>.resources.requests.cpu</code>
<code>zookeeper.cpuLimits</code>	int or string	""	Override the component's CPU requests set by <code>workerNodeTotalCpu</code> .	false	<code>spec.zookeeper</code> <code>.resources.limits.cpu</code>
<code>zookeeper.memoryRequests</code>	int or string	""	Override the component's memory requests set by <code>tshirtSize</code> .	false	<code>spec.zookeeper</code> <code>.resources.requests.memory</code>
<code>zookeeper.memoryLimits</code>	int or string	""	Override the component's memory limits set by <code>tshirtSize</code> .	false	<code>spec.zookeeper</code> <code>.resources.limits.memory</code>
<a href="#">Common Additional Parameters</a>			(Members of <a href="#">Common Additional Parameters</a> are embedded into this type)		

## Kafka

Key	Type	Default	Description	Required	CRD Field(s) Impacted
<code>kafka.minHeap</code>	string	""	Override the environment variable <code>KAFKA_HEAP_MIN</code> set by <code>tshirtSize</code> .	false	<code>spec.kafka.env</code>
<code>kafka.maxHeap</code>	string	""	Override the environment variable <code>KAFKA_HEAP_MAX</code> set by <code>tshirtSize</code> .	false	<code>spec.kafka.env</code>
<code>kafka.storageSize</code>	string	""	Override the size of the component's RWO volumes set by <code>tshirtSize</code> . Changing this value after an initial deployment will not automatically resize the volumes. <b>This field is immutable.</b>	false	<code>spec.kafka</code> <code>.volumeClaimTemplateSpec.resources</code> <code>.requests.storage</code>
<code>kafka.cpuRequests</code>	int or string	""	Override the component's CPU requests set by <code>tshirtSize</code> .	false	<code>spec.kafka</code> <code>.resources.requests.cpu</code>
<code>kafka.cpuLimits</code>	int or string	""	Override the component's CPU requests set by <code>workerNodeTotalCpu</code> .	false	<code>spec.kafka</code> <code>.resources.limits.cpu</code>
<code>kafka.memoryRequests</code>	int or string	""	Override the component's memory requests set by <code>tshirtSize</code> .	false	<code>spec.kafka</code> <code>.resources.requests.memory</code>
<code>kafka.memoryLimits</code>	int or string	""	Override the component's memory limits set by <code>tshirtSize</code> .	false	<code>spec.kafka</code> <code>.resources.limits.memory</code>
<a href="#">Common Additional Parameters</a>			(Members of <a href="#">Common Additional Parameters</a> are embedded into this type)		

## Search Server

Key	Type	Default	Description	Required	CRD Field(s) Impacted
<code>searchServer.heap</code>	string	""	Override the environment variable <code>SS_HEAP</code> set by <code>tshirtSize</code> .	false	<code>spec.searchServer.env</code>
<code>searchServer.storageSize</code>	string	""	Override the size of the component's RWO volumes set by <code>tshirtSize</code> . Changing this value after an initial deployment will not automatically resize the volumes. <b>This field is immutable.</b>	false	<code>spec.searchServer</code> <code>.volumeClaimTemplateSpec.resources</code> <code>.requests.storage</code>
<code>searchServer.cpuRequests</code>	int or string	""	Override the component's CPU requests set by <code>tshirtSize</code> .	false	<code>spec.searchServer</code> <code>.resources.requests.cpu</code>
<code>searchServer.cpuLimits</code>	int or string	""	Override the component's CPU requests set by <code>workerNodeTotalCpu</code> .	false	<code>spec.searchServer</code> <code>.resources.limits.cpu</code>
<code>searchServer.memoryRequests</code>	int or string	""	Override the component's memory requests set by <code>tshirtSize</code> .	false	<code>spec.searchServer</code> <code>.resources.requests.memory</code>
<code>searchServer.memoryLimits</code>	int or string	""	Override the component's memory limits set by <code>tshirtSize</code> .	false	<code>spec.searchServer</code> <code>.resources.limits.memory</code>
<code>additionalInitContainers</code>	list	[]	A list of initialization containers belonging to the component to deploy in addition to the default init container configured by the chart for the <a href="#">Search Server kernel setting</a> . For <i>stateful components with a single replica</i> , updating this field requires restarting the component's pod. See <a href="#">Init Containers</a> for more info.	false	<code>spec.[component].initContainers</code>

Key	Type	Default	Description	Required	CRD Field(s) Impacted
<a href="#">Common Additional Parameters</a>			(Members of <a href="#">Common Additional Parameters</a> are embedded into this type)		

## Data Server

Key	Type	Default	Description	Required	CRD Field(s) Impacted
<code>dataServer.rts.count</code>	int	nil	Override the RTS count set by <code>tshirtSize</code> . Updating this field requires restarting both Data Server's and Webapp's pods. See <a href="#">Real-time Store</a> and <a href="#">Configuring the Data Server</a> for more info.	false	<code>spec.dataServer.topology.rtscount</code>
<code>dataServer.rts.queryMemoryCircuitBreakerThresholdBytes</code>	int	nil	Override the value of the custom property <code>rts.queryMemoryLimits.circuitBreaker.threshold.bytes</code> . This property is defaulted to <code>.1000000000</code> .	false	<code>spec.customProperties.rts.queryMemoryLimits.circuitBreaker.threshold.bytes</code>
<code>dataServer.storageSize</code>	string	""	Override the size of the component's RWO volumes set by <code>tshirtSize</code> . Changing this value after an initial deployment will not automatically resize the volumes. <b>This field is immutable.</b>	false	<code>spec.dataServer.volumeClaimTemplateSpec.resources.requests.storage</code>
<code>dataServer.cpuRequests</code>	int or string	""	Override the component's CPU requests set by <code>tshirtSize</code> .	false	<code>spec.dataServer.resources.requests.cpu</code>
<code>dataServer.cpuLimits</code>	int or string	""	Override the component's CPU requests set by <code>workerNodeTotalCpu</code> .	false	<code>spec.dataServer.resources.limits.cpu</code>
<code>dataServer.memoryRequests</code>	int or string	""	Override the component's memory requests set by <code>tshirtSize</code> .	false	<code>spec.dataServer.resources.requests.memory</code>
<code>dataServer.memoryLimits</code>	int or string	""	Override the component's memory limits set by <code>tshirtSize</code> .	false	<code>spec.dataServer.resources.limits.memory</code>
<a href="#">Common Additional Parameters</a>			(Members of <a href="#">Common Additional Parameters</a> are embedded into this type)		

## Service Manager

Key	Type	Default	Description	Required	CRD Field(s) Impacted
<code>serviceManager.komodoDirectMemMax</code>	string	""	Override the environment variable <code>KOMODO_DIRECT_MEM_MAX</code> set by <code>tshirtSize</code> .	false	<code>spec.serviceManager.env</code>
<code>serviceManager.komodoHeapMax</code>	string	""	Override the environment variable <code>KOMODO_HEAP_MAX</code> set by <code>tshirtSize</code> .	false	<code>spec.serviceManager.env</code>
<code>serviceManager.storageSize</code>	string	""	Override the size of the component's RWO volumes set by <code>tshirtSize</code> . Changing this value after an initial deployment will not automatically resize the volumes. <b>This field is immutable.</b>	false	<code>spec.serviceManager.volumeClaimTemplateSpec.resources.requests.storage</code>
<code>serviceManager.cpuLimits</code>	int or string	""	Override the component's CPU requests set by <code>workerNodeTotalCpu</code> .	false	<code>spec.serviceManager.resources.limits.cpu</code>
<code>serviceManager.memoryLimits</code>	int or string	""	Override the component's memory limits set by <code>tshirtSize</code> .	false	<code>spec.serviceManager.resources.limits.memory</code>
<code>serviceManager.analyticsExecShardCount</code>	int	3	Override the number of shards of the process analytics and process execution engines. <b>This field is immutable.</b> See <a href="#">Add Execution and Analytics Shards</a> for more info.	false	<code>spec.serviceManager.topology.analyticsExecShardCount</code>
<code>serviceManager.exec.cpuRequests</code>	int or string	""	Override the execution engines' CPU requests set by <code>tshirtSize</code> .	false	<code>spec.serviceManager.engineOverrides.execution.resources.requests.cpu</code>
<code>serviceManager.exec.memoryRequests</code>	int or string	""	Override the execution engines' memory requests set by <code>tshirtSize</code> .	false	<code>spec.serviceManager.engineOverrides.execution.resources.requests.memory</code>
<code>serviceManager.analytics.cpuRequests</code>	int or string	""	Override the analytics engines' CPU requests set by <code>tshirtSize</code> .	false	<code>spec.serviceManager.engineOverrides.analytics.resources.requests.cpu</code>
<code>serviceManager.analytics.memoryRequests</code>	int or string	""	Override the analytics engines' memory requests set by <code>tshirtSize</code> .	false	<code>spec.serviceManager.engineOverrides.analytics.resources.requests.memory</code>
<code>serviceManager.tier2.cpuRequests</code>	int or string	""	Override the CPU requests for the groups, collaboration and process design engines set by <code>tshirtSize</code> .	false	<code>spec.serviceManager.engineOverrides.[groups content processDesign].resources.requests.cpu</code>
<code>serviceManager.tier2.memoryRequests</code>	int or string	""	Override the memory requests for the groups, collaboration and process design engines set by <code>tshirtSize</code> .	false	<code>spec.serviceManager.engineOverrides.[groups content processDesign].resources.requests.memory</code>

Key	Type	Default	Description	Required	CRD Field(s) Impacted
<code>serviceManager.default.cpuRequests</code>	int or string	""	Override the default CPU requests used by all other engines set by <code>tshirtSize</code> .	false	<code>spec.serviceManager.resources.requests.cpu</code>
<code>serviceManager.default.memoryRequests</code>	int or string	""	Override the default memory requests used by all other engines set by <code>tshirtSize</code> .	false	<code>spec.serviceManager.resources.requests.memory</code>
<code>serviceManager.engineOverrides</code>	object	{}	Allows complete override of all per-engine configurations set by <code>tshirtSize</code> . See <a href="#">Engine Overrides</a> for more info.	false	<code>spec.serviceManager.engineOverrides</code>
<a href="#">Common Additional Parameters</a>			(Members of <a href="#">Common Additional Parameters</a> are embedded into this type)		

## Webapp

Key	Type	Default	Description	Required	CRD Field(s) Impacted
<code>webapp.replicas</code>	int	nil	Override the number of replicas for webapp set by <code>highAvailability</code> . When set, this field also sets the httpd component's replicas to match. <i>Updating this field is disallowed both before Apian has started and when <code>highAvailability</code> is not <code>true</code>.</i>	false	<code>spec.webapp.replicas</code> <code>spec.httpd.replicas</code>
<code>webapp.maxHeapSize</code>	string	""	Override the custom property <code>conf.appserver.maxHeapSize</code> set by <code>tshirtSize</code> .	false	<code>spec.customProperties</code>
<code>webapp.storageSize</code>	string	""	Override the size of the component's RWO volumes set by <code>tshirtSize</code> . Changing this value after an initial deployment will not automatically resize the volumes. <b>This field is immutable.</b>	false	<code>spec.webapp.volumeClaimTemplates.spec.resources.requests.storage</code>
<code>webapp.cpuRequests</code>	int or string	""	Override the component's CPU requests set by <code>tshirtSize</code> .	false	<code>spec.webapp.resources.requests.cpu</code>
<code>webapp.cpuLimits</code>	int or string	""	Override the component's CPU requests set by <code>workerNodeTotalCpu</code> .	false	<code>spec.webapp.resources.limits.cpu</code>
<code>webapp.memoryRequests</code>	int or string	""	Override the component's memory requests set by <code>tshirtSize</code> .	false	<code>spec.webapp.resources.requests.memory</code>
<code>webapp.memoryLimits</code>	int or string	""	Override the component's memory limits set by <code>tshirtSize</code> .	false	<code>spec.webapp.resources.limits.memory</code>
<code>webapp.passwordsPropertiesSecretName</code>	string	"passwords-properties"	Name of an existing secret containing Apian's passwords. <code>properties</code> file. The contents of this text file should be <code>conf.password.SMTP=\$YOUR_PASSWORD_HERE</code> . <i>For sites with a single Webapp replica, updating this field requires restarting Webapp's pod.</i>	false <b>Required when <code>smtp.auth</code> is <code>true</code>.</b>	<code>spec.webapp.resources.limits.memory</code>
<code>webapp.dataSources</code>	object	{}	Override completely the webapp data source configuration set via templates by <code>dataSources</code> .	false	<code>spec.webapp.dataSources</code>
<code>webapp.additionalInitContainers</code>	list	[]	A list of initialization containers belonging to the component to deploy in addition to any default init containers configured by the chart (e.g. MySQL JDBC driver deployer if requested). If no default init containers would be deployed, this field has the same effect as <code>webapp.initContainers</code> . <i>For stateful components with a single replica, updating this field requires restarting the component's pod. See <a href="#">Init Containers</a> for more info.</i>	false	<code>spec.webapp.initContainers</code>
<a href="#">Common Additional Parameters</a>			(Members of <a href="#">Common Additional Parameters</a> are embedded into this type)		

## Httpd

Key	Type	Default	Description	Required	CRD Field(s) Impacted
<code>httpd.replicas</code>	int	nil	Override the number of replicas for httpd set by <code>highAvailability</code> or <code>webapp.replicas</code> .	false	<code>spec.httpd.replicas</code>
<code>httpd.resources</code>	object	{}	Compute resources required by the component's container(s). See <a href="#">Resource Management for Pods and Containers</a> for more info.	false	<code>spec.httpd.resources</code>

Key	Type	Default	Description	Required	CRD Field(s) Impacted
<a href="#">Common Additional Parameters</a>			(Members of <a href="#">Common Additional Parameters</a> are embedded into this type)		

## MirrorMaker

Key	Type	Default	Description	Required	CRD Field(s) Impacted
<code>mirrorMaker.resources</code>	object	<code>{}</code>	Compute resources required by the component's container(s). See <a href="#">Resource Management for Pods and Containers</a> for more info.	false	<code>spec.mirrorMaker.resources</code>
<code>mirrorMaker.sourceBrokers</code>	list	<code>[]</code>	Override the value set by <code>replication.mirrorMaker.listeners</code> . List of hosts that point to the Kafka brokers in the source cluster. <i>Updating this field requires restarting MirrorMaker's pod(s).</i>	false	<code>spec.mirrorMaker.sourceBrokers</code>
<code>mirrorMaker.storageSize</code>	string	<code>""</code>	Override the size of the component's RWO volumes set by <code>tsirtsize</code> . Changing this value after an initial deployment will not automatically resize the volumes. <b>This field is immutable.</b>	false	<code>spec.mirrorMaker.volumeClaimTemplateSpec.resources.requests.storage</code>
<a href="#">Common Additional Parameters</a>			(Members of <a href="#">Common Additional Parameters</a> are embedded into this type)		

## Common Additional Parameters

The following optional parameters can be specified for any component listed [above](#).

Key	Type	Default	Description	Required	CRD Field(s) Impacted
<code>[component].initContainers</code>	list	<code>[]</code>	A list of initialization containers belonging to the component. Initialization containers satisfy a variety of use cases - including supplying RDBMS/JDBC drivers. <i>For stateful components with a single replica, updating this field requires restarting the component's pod.</i> See <a href="#">Init Containers</a> for more info. For a component that has a <code>[component].additionalInitContainers</code> parameter, <code>[component].initContainers</code> will override any init containers that are automatically configured by the chart.	false	<code>spec.[component].initContainers</code>
<code>[component].env</code>	list	<code>[]</code>	A list of environment variables to set in the component's container(s). <i>For stateful components with a single replica, updating this field requires restarting the component's pod.</i> See <a href="#">Define Environment Variables for a Container</a> for more info.	false	<code>spec.[component].env</code>
<code>[component].additionalVolumes</code>	list	<code>[]</code>	Additional volumes for the component's pod(s). <i>For stateful components with a single replica, updating this field requires restarting the component's pod.</i> See <a href="#">Volumes</a> for more info.	false	<code>spec.[component].additionalVolumes</code>
<code>[component].additionalVolumeMounts</code>	list	<code>[]</code>	Additional volume mounts for the component's container(s). <i>For stateful components with a single replica, updating this field requires restarting the component's pod.</i> See <a href="#">Volumes</a> for more info.	false	<code>spec.[component].additionalVolumeMounts</code>
<code>[component].sidecarContainers</code>	list	<code>[]</code>	Sidecar containers for the component's container(s). <i>For stateful components with a single replica, updating this field requires restarting the component's pod.</i>	false	<code>spec.[component].sidecarContainers</code>
<code>[component].nodeSelector</code>	object	<code>{}</code>	A selector which must be true for the component's pod(s) to fit on a node. <i>For stateful components with a single replica, updating this field requires restarting the component's pod.</i> See <a href="#">nodeSelector</a> for more info.	false	<code>spec.[component].nodeSelector</code>
<code>[component].tolerations</code>	list	<code>[]</code>	Tolerations for the component's pod(s). <i>For stateful components with a single replica, updating this field requires restarting the component's pod.</i> See <a href="#">Taints and Tolerations</a> for more info.	false	<code>spec.[component].tolerations</code>
<code>[component].additionalNetworkPolicyIngressRules</code>	list	<code>[]</code>	Additional ingress rules for the component's network policy. <b>Forbidden when <code>spec.networkPolicies.enabled</code> is <code>false</code>.</b> See <a href="#">Network Policies</a> for more info.	false	<code>spec.[component].additionalNetworkPolicyIngressRules</code>
<code>[component].priorityClassName</code>	string	<code>""</code>	Priority Class for the component's pod(s). <i>For stateful components with a single replica, updating this field requires restarting the component's pod.</i> See <a href="#">Pod Priority and Preemption</a> for more info.	false	<code>spec.[component].priorityClassName</code>
<code>[component].dnsPolicy</code>	string	<code>""</code>	DNS policy for the component's pod(s). <i>For stateful components with a single replica, updating this field requires restarting the component's pod.</i> This field will default to <code>ClusterFirst</code> if not specified. See <a href="#">Pod DNS Policy</a> for more info.	false	<code>spec.[component].dnsPolicy</code>
<code>[component].dnsConfig</code>	object	<code>{}</code>	DNS Config for the component's pod(s). <i>For stateful components with a single replica, updating this field requires restarting the component's pod.</i> This field is required when <code>DNSPolicy</code> is set to <code>None</code> . If <code>DNSPolicy</code> is not specified, then <code>ClusterFirst</code> is used. See <a href="#">Pod DNS Config</a> for more info.	false	<code>spec.[component].dnsConfig</code>
<code>[component].podAnnotations</code>	string	<code>""</code>	Annotations to be applied to the component's pod(s). <i>For stateful components with a single replica, updating this field requires restarting the component's pod.</i>	false	<code>spec.[component].podAnnotations</code>
<code>[component].podLabels</code>	string	<code>""</code>	Labels to be applied to the component's pod(s). <i>For stateful components with a single replica, updating this field requires restarting the component's pod.</i>	false	<code>spec.[component].podLabels</code>

## Service

By default, a `service` is configured by the chart with `spec.service.type: ClusterIP`. Configure this `service` object for any alternative service configurations.

Key	Type	Default	Description	Required	CRD Field(s) Impacted
<code>service</code>	object	<code>{}</code>	Service defines configuration for creating Appian's service resource. See <a href="#">Service</a> for more info.	false	<code>spec.service</code>

## Ingress

Ingress for ingress controllers [NGINX Ingress Controller](#), [AWS Load Balancer Controller](#) and [Azure Application Gateway Ingress Controller \(AGIC\)](#) can be configured via [ingressTemplate](#). For any other ingress controller, use `ingress` below.

Key	Type	Default	Description	Required	CRD Field(s) Impacted
<code>ingress</code>	object	<code>{}</code>	Configuration for creating Appian's ingress resource if not using <a href="#">ingressTemplate</a> . See <a href="#">Ingress</a> for more info.	false	<code>spec.ingress</code>

## RPA

RPA can be configured for the Appian site via the `rpa` component. No pre-configured options are included in this Helm chart for RPA at this time. See the [sample YAML file](#), the [Custom Resource Definition](#) and the [RPA Setup section](#) for RPA configuration options.

Key	Type	Default	Description	Required	CRD Field(s) Impacted
<code>rpa</code>	object	<code>{}</code>	Defines configuration for RPA. See <a href="#">RPA</a> for more info.	false	<code>spec.service</code>

## Excluded Appian CRD Fields

The following fields from the Appian CRD either cannot be set via this Helm chart, or the value that this Helm chart configures cannot be directly overridden.



CRD Field	Reason
<code>[component].podDisruptionBudget</code>	Pod Disruption Budgets are set by the chart for each component when <code>highAvailability</code> is <code>true</code> .
<code>[component].replicas</code>	<code>[component].replicas</code> is set by the chart depending on the value of <code>highAvailability</code> . For webapp and httpd this value can be overridden. For all other components this value cannot be overridden.
<code>[component].affinity</code>	The Appian operator deploys a default affinity configuration. This cannot be customized for the Service Manager pods without breaking exec/analytics engine shard-level affinity configuration. This chart does not support customizing affinity. <code>nodeSelector</code> can still be configured globally and per-component to constrain Pods to nodes with specific labels.

## Release Notes

---

### 0.1.0

First public release.

Built against Appian operator v0.156.0 and Appian platform 24.1. This chart will work with other versions of the Appian operator and platform, both older and newer, but some parameters may not be valid (e.g. `spec.rpa` was only introduced from v0.156.0).

## License

---

Appian AppMarket (see [here](#))