Workspace Web Edition Private Edition Guide

Configure Workspace Web Edition

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Learn how to configure Workspace Web Edition.

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Override Helm chart values

You can override values in the Helm charts to configure Workspace Web Edition (WWE) by using the `--set` flag or by creating the values.yaml file. For more information about how to override Helm chart values, see Overriding Helm chart values.

Refer to the **Parameters** table for a full list of overridable values for WWE.

Parameters

Parameter	Description	Default	Valid Values
wwe.image.registry	docker registry	pureengage-docker-staging.jfrog.io	A valid registry
wwe.image.repository	docker repository	wwe	Valid repository in the registry
wwe.image.name	Image name	ui	Name of the WWE image
wwe.image.tag	WWE image version	100.0.000.50	Valid version of the WWE image
wwe.image.imagePullSecrets	image pull secrets	[]	Array of pull secrets to use to pull from registry
wwe.image.imagePullSecrets	image pull secrets	[]	Array of pull secrets to use to pull from registry
wwe.service.enabled	Create k8s service	true	Boolean
wwe.service.type	k8s service type	ClusterIP	Kubernetes Service Type value
wwe.service.port	k8s service port	80	Valid port number
wwe.ingress.enabled	enabling ingress	false	Boolean
wwe.ingress.annotations	ingress annotations	{}	Key/value map of annotations

Parameter	Description	Default	Valid Values
wwe.ingress.hosts	host configurations	{}	Valid host kubernetes Ingress mapping
wwe.ingress.tls	TLS based security enabling	{}	Valid tls kubernetes Ingress mapping
wwe.resources.limits.cpu	Maximum amount of CPU K8s allocates for container	"4"	Number of milicpu. See k8s doc
wwe.resources.limits.memory	Maximum amount of Memory K8s allocates for container	6Gi	Bytes allocation
wwe.resources.requests.cpu	Guaranteed CPU allocation for container	500m	Number
wwe.resources.requests.memory	Guaranteed Memory allocation for container	4Gi	Bytes allocation
wwe.deployment.strategy	k8s deployment strategy	{}	Kubernetes deployment strategy map
wwe.livenessProbe.httpGet.path	liveness prob path	/index.html	Valid internal pass
wwe.livenessProbe.httpGet.port	liveness prob port to use	http	http
wwe.livenessProbe.initialDelaySeconds	liveness prob startup delay	10	Number
wwe.livenessProbe.periodSeconds	liveness prob check interval	5	Number
wwe.livenessProbe.failureThreshold	liveness prob failure count	3	Number
wwe.livenessProbe.timeoutSeconds	liveness prob timeout seconds	5	Number
wwe.readinessProbe.httpGet.path	readiness prob path	/index.html	Valid internal pass
wwe.readinessProbe.httpGet.port	readiness prob port to use	http	http
wwe.readinessProbe.initialDelaySeconds	readiness prob startup delay in seconds	10	Number
wwe.readinessProbe.periodSeconds	readiness prob check interval in seconds	5	Number
wwe.readinessProbe.failureThreshold	readiness prob failure count	3	Number
wwe.readinessProbe.timeoutSeconds	readiness prob timeout seconds	5	Number
wwe.priorityClassName	k8s priority class name	''	Valid priority class
wwe.affinity	pod affinity	{}	Kubernetes Pod affinity map
wwe.nodeselector	k8s node selector map	{}	Kubernetes node selector map
wwe.tolerations	pod toleration	[]	Kubernetes pod tolerations list

Parameter	Description	Default	Valid Values
wwe.autoscaling.enabled	activate auto scaling	true	Boolean
wwe.autoscaling.targetCPUUtilizationPercentage	CPU percentage autoscaling trigger	40	Number
wwe.autoscaling.targetMemoryUtilizationPercentage	Memory percentage autoscaling trigger	80	Number
wwe.context.envs.optimizedConfig	Activate WWE optimized config	false	Boolean
wwe.context.envs.gwsUrl	Url of GWS API	``	Valid GWS API url
grafanaDashboard.enabled	Deploy the grafana Dashboard	false	Boolean
securityContext	Pod security context	{runAsNonRoot:true,runAsUser:500,runAsGroup:500,fsGroup:500}	A Security Context map

Create the values.yaml file

From the following sample file, create the **values.yaml** file with appropriate overrides for a sample deployment.

Note: **ingress** should be enabled and set with an appropriate hostname and the value for **gwsUrl** must be set with the external GWS URL:

```
context:
  envs:
    optimizedConfig: false
    gwsUrl: 'https://'
```

For example:

```
namespace: wwe
nameOverride: ""
fullnameOverride: ""

securityContext:
  runAsNonRoot: true
  runAsUser: 500
  runAsGroup: 500
  fsGroup: 500

podLabels: {}
podAnnotations: {}

wwe:
  image:
    registry:
    repository: gws
    name: gws-ui-workspace
    tag:
    pullPolicy: IfNotPresent
    imagePullSecrets: []
  service:
```

```
  enabled: true
  type: ClusterIP
  port: 80
ingress:
  enabled: true
  hosts:
    # Example
    - host: wwe.apps.vce-c0.eps.genesys.com
      paths:
        - path: '/'
          port: 443
  annotations: {}
  #   Example
  #   cert-manager.io/cluster-issuer: letsencrypt-prod-nginx
  #   nginx.ingress.kubernetes.io/ssl-redirect: "false"
  #   kubernetes.io/ingress.class: nginx01-internal
  #   nginx.ingress.kubernetes.io/proxy-body-size: "0"
  tls:
    # Example
    - secretName: ""
      hosts:
        - wwe.apps.vce-c0.eps.genesys.com
serviceName: wwe
deployment:
  type: Deployment
  replicaCount: 3
  minReplicas: 1
  maxReplicas: 10
  strategy: {}
annotations: {}
livenessProbe:
  httpGet:
    path: /index.html
    port: http
  initialDelaySeconds: 10
  periodSeconds: 5
  failureThreshold: 3
  timeoutSeconds: 5
readinessProbe:
  httpGet:
    path: /index.html
    port: http
  initialDelaySeconds: 10
  periodSeconds: 5
  failureThreshold: 3
  timeoutSeconds: 5
context:
  envs:
    optimizedConfig: false
    gwsUrl: 'https://'
resources:
  requests:
    cpu: 500m
    memory: 2Gi
  limits:
    cpu: "1"
    memory: 6Gi
priorityClassName:
affinity: {}
nodeSelector:
  genesysengage.com/nodepool:
tolerations: []
labels: {}
```

```
  autoscaling:
    enabled: true
    targetCPUUtilizationPercentage: 40
    targetMemoryUtilizationPercentage: 80
```

Configure Kubernetes

There is no specific Kubernetes configuration required for Workspace Web Edition.

Configure security

The security context settings define the privilege and access control settings for pods and containers.

By default, the user and group IDs are set in the **values.yaml** file as `500:500:500`, meaning the **genesys** user.

```
securityContext:
  runAsNonRoot: true
  runAsUser: 500
  runAsGroup: 500
  fsGroup: 500
```