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Intelligent Workload Distribution Private Edition Guide

[Configure IWD](#)

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Learn how to configure IWD.

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Override Helm chart values

The following table provides information on the IWD deployment settings that can be configured in the **values.yaml** file:

| Parameter | Description | Default |
|-------------------------------------------------|---------------------------------------------------------------------------------|------------------------------------|
| <code>`deploymentType`</code> | Deployment type. Only two possible values are supported: Deployment, ReplicaSet | Deployment |
| <code>`replicaCount`</code> | Number of pods to be created | 1 |
| <code>`image.registry`</code> | Docker registry for iWD | pureengage-docker-staging.jfrog.io |
| <code>`image.repository`</code> | iWD Image name | nexus/iwd |
| <code>`image.pullPolicy`</code> | Image pull policy | IfNotPresent |
| <code>`image.pullSecrets`</code> | Specify docker-registry secret names as an array | [] |
| <code>`affinity`</code> | Map of node/pod affinities | {} |
| <code>`nodeSelector`</code> | Node labels for pod assignment | {} |
| <code>`tolerations`</code> | Tolerations for pod assignment | nil |
| <code>`priorityClassName`</code> | Priority class name | |
| <code>`podSecurityContext`</code> | Pod security context | {} |
| <code>`securityContext`</code> | Security context | {} |
| <code>`podDisruptionBudget.enabled`</code> | Enable or disable pod disruption budget | false |
| <code>`podDisruptionBudget.minAvailable`</code> | Set minimal number of pods available during the disruption | 1 |
| <code>`podAnnotations`</code> | Add annotations to pods | {} |

| Parameter | Description | Default |
|-------------------------------------------|---------------------------------------------------------|-----------------------------|
| <code>`podLabels`</code> | Add custom labels to pods | { } |
| <code>`hpa.enabled`</code> | Enable or disable Horizontal Pod Autoscaler (HPA) | false |
| <code>`hpa.minReplicas`</code> | Minimal replicas count for HPA | 1 |
| <code>`hpa.maxReplicas`</code> | Maximal replicas count for HPA | 10 |
| <code>`hpa.targetCPUPercent`</code> | Specify target CPU utilization for HPA | 60 |
| <code>`resources.limits.cpu`</code> | Maximum amount of CPU K8s allocates for container | 2000m |
| <code>`resources.limits.memory`</code> | Maximum amount of Memory K8s allocates for container | 2000Mi |
| <code>`resources.requests.cpu`</code> | Guaranteed CPU allocation for container | 300m |
| <code>`resources.requests.memory`</code> | Guaranteed Memory allocation for container | 500Mi |
| <code>`serviceAccount.create`</code> | Specifies whether a service account should be created | false |
| <code>`serviceAccount.annotations`</code> | Annotations to add to service account | { } |
| <code>`serviceAccount.name`</code> | Service account name | "" |
| <code>`existingSecret`</code> | Specify Secret name to read application secrets from | nil |
| <code>`gauth.auth.url`</code> | URL to Authentication service | nil |
| <code>`gauth.auth.redirectUrl`</code> | Redirect URL to Authentication service | nil |
| <code>`redis.nodes`</code> | Comma separate list of Redis nodes to connect | nil |
| <code>`redis.useCluster`</code> | Redis deployment mode | false |
| <code>`redis.enableTLS`</code> | Either to use TLS on Redis connection | false |
| <code>`redis.password`</code> | Access key for Redis authentication | nil |
| <code>`nexus.url`</code> | URL to Nexus | nil |
| <code>`nexus.apikey`</code> | Nexus API key | nil |
| <code>`service.type`</code> | Service type | ClusterIP |
| <code>`monitoring.enabled`</code> | Enable or disable pod monitor | false |
| <code>`monitoring.alarms`</code> | Create PrometheusRule k8s object with alarm definitions | false |
| <code>`monitoring.dashboards`</code> | Create ConfigMap with Grafana Dashboards | false |
| <code>`networkPolicies.enabled`</code> | Enable or disable network policies | false |
| <code>`dnsConfig.options`</code> | DNS Configuration options | { name: ndots, value: "3" } |

Configure Kubernetes

ConfigMaps

Not applicable as all required ConfigMaps are created via Helm Chart basing on the provided values.

Create the pull secret

Use the following code snippet as an example of how to create pull secret:

```
kubect1 create secret docker-registry mycred --docker-server=pureengage.jfrog.io --docker-username= --docker-password=
```

You can add *mycred* to Helm override values by setting **image.pullSecrets** to *[mycred]*.