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# Designer Private Edition Guide

Configure Designer

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Learn how to configure Designer.

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## Deployment configuration settings (Helm values)

The following sections provide information on the various settings that have to be configured in Designer and DAS. The configuration settings listed below will be used during the deployment of Designer and DAS. That is, these settings will be used during initial deployment/upgrade. These settings can be configured in the **values.yaml** Helm file.

For more information about how to override Helm chart values, see [Overriding Helm chart values](#) in the *Setting up Genesys Multicloud CX Private Edition* guide.

### Important

Depending on the Kubernetes platform or the container orchestration platform that you are deploying Designer on, you might have to carry out some additional steps specific to that platform. For more information, navigate to the required topic in the **Kubernetes platform specific information** section on the About page.

## Designer deployment settings

The following table provides information on the Designer deployment settings. These settings are configured in the **designer-values.yaml** file.

Parameter	Description	Mandatory?	Default Value
<code>designer.deployment.replicaCount</code>	Number of service instances to be created.	Mandatory	2
<code>designer.deployment.maxReplicas</code>	The maximum number of replicas to be created. It is	Optional	10

	recommended to configure this setting if auto-scaling is used.		
<code>designer.deployment.strategy</code>	<p>The deployment strategy to follow. This determines which type of resources are deployed. Valid values are: <code>rollingupdate</code>, <code>blue-green</code>, <code>blue-green-volume</code>, <code>blue-green-ingress</code>, <code>grafana</code>.</p> <ul style="list-style-type: none"> <li>• <b>rollingupdate</b> - default Kubernetes update strategy where resources will be updated using the rolling upgrade strategy.</li> <li>• <b>blue-green</b> - for deploying and upgrading the Designer service using the blue-green strategy.</li> <li>• <b>blue-green-volume</b> - for the blue/green upgrade, this is to create a Persistent Volume Claim (PVC) for the very first time.</li> <li>• <b>blue-green-ingress</b> - for the blue/green upgrade, this is to create an ingress for the first time and update the ingress during a service cutover.</li> <li>• <b>grafana</b> - for deploying the Grafana dashboard.</li> </ul>	Mandatory	<code>rollingupdate</code>
<code>designer.deployment.color</code>	This is to deploy/upgrade the Designer service in a blue-green upgrade strategy. Valid values are: <code>blue</code> , <code>green</code> .	Optional	
<code>designer.deployment.type</code>	This is to specify the	Optional	Deployment

	type of deployment. Valid value: Deployment.		
designer.image.registry	The registry that the organization uses for storing images.	Mandatory	
designer.image.repository	Docker repository that contains the images for Designer.	Mandatory	
designer.image.tag	Designer image version.	Mandatory	9.0.110.07.7
designer.image.PullPolicy	Designer image pull policy (imagePullPolicy). Valid values: Always, IfNotPresent, Never.  <ul style="list-style-type: none"> <li>• <b>Always</b> - always pull the image.</li> <li>• <b>IfNotPresent</b> - pull the image only if it does not already exist on the node.</li> <li>• <b>Never</b> - never pull the image.</li> </ul>	Mandatory	IfNotPresent
designer.image.imagePullSecrets	Secret name containing credentials for authenticating access to the Docker repository.	Mandatory	
designer.volumes.workspacePV.create	true if a persistent volume for the Designer workspace must be created. This is used in case of static volume provisioning, where, the PV is created and then the PVC is bound to the specified PV. Currently, support to create PV only for Azure files (SMB) and NFS is present in the helm chart.		false
designer.volumes.workspacePV.type	Supports two types:  nfs - Creates an NFS PV provided you have an NFS server/file share set up already. azurefiles-smb - Creates a PV for pre-existing SMB type Azure fileshares.		
designer.volumes.workspacePV.name	Name of the PV to be created. For example,		

	designer-workspace-pv.		
designer.volumes.workspacePv.capacity	Size of the PV to be created. For example, 5Gi.		
designer.volumes.workspacePv.storageClass	The storage class associated with the PV. For static volume provisioning to occur as expected, it is highly recommended to provide "" (intentional empty double quotes) or any distinct storage class name that does not exist already.		
designer.volumes.workspacePv.mountOptions	Mount options to be given to the PV.  Note: Mount options differ according to the underlying storage type used, NFS or SMB. Using the same set of mountOptions with different storage types leads to volume mount errors.		
designer.volumes.workspacePv.server	The IP address or FQDN of the NFS server.  Note: This field is only applicable for nfs type PVs.		
designer.volumes.workspacePv.path	The exported path from the NFS server.  Note: This field is only applicable for nfs type PVs.		
designer.volumes.workspacePv.shareName	The azure fileshare name for which the PV must be created.  Note: This field is only applicable for azurefiles-smb type PVs.		
designer.volumes.workspacePv.createSecret	true if secret with data to authenticate the Azure storage account must be created. Can be false if the secret is manually created.  Note: This field is only applicable for azurefiles-smb type PVs.		
designer.volumes.workspacePv.credentials	The Parameters given to		

	<p>the secret created with the <code>designer.volumes.workspacePv.createSecret</code> field. For example, <code>designer-storage-secret</code>).</p> <p>Note: This field is only applicable for <code>azurefiles-smb</code> type PVs.</p>		
	<p>Base64 encoded name of the storage account. This goes in the secret created with <code>designer.volumes.workspacePv.createSecret</code>.</p> <p>Note: This field is only applicable for <code>azurefiles-smb</code> type PVs.</p>		
	<p>Base64 encoded access key of the storage account. This goes in the secret created with <code>designer.volumes.workspacePv.createSecret</code>.</p> <p>Note: This field is only applicable for <code>azurefiles-smb</code> type PVs.</p>		
	<p>If a persistent volume is <code>pv</code> created, this value has to be <code>true</code>.</p>	Mandatory	<code>true</code>
	<p>The type of the volume provisioning to use:</p> <p><code>static</code> - This type is used when a PV has been created either by using the helm values in <code>designer.volumes.workspacePv</code> or manually and the workspace PVC must be bound to it.</p> <p><code>dynamic</code> - This type is used when a configured storage class will dynamically allocate a PV to the workspace PVC.</p>	Mandatory	<code>dynamic</code>
	<p>The path where the workspace volume is to be mounted inside the Designer container.</p>	Mandatory	<p><code>/designer/workspace</code></p> <p>Note: This is not a customizable value. The value MUST be <code>/designer/workspace</code> for the proper functioning of Designer.</p>
	<p>Persistent volume claim name for the workspace.</p>	Mandatory	<code>designer-managed-disk</code>

<code>designer.volumes.workspacePvc.claimSize</code>	Size of the persistent volume claim for the workspace. The persistent volume must be equal to or greater than this size.	Mandatory	
<code>designer.volumes.workspacePvc.storageClassName</code>	storageClassName provided in the persistent volume that is created for the Designer workspace (example, <b>nfs</b> ).	Mandatory	
<code>designer.volumes.workspacePvc.type</code>	The PV's name to which the PVC must be bound (applicable only when <code>designer.volumes.workspacePvc.type</code> is static).		
<code>designer.volumes.logsPvc.create</code>	If a PVC volume is to be created, this value has to be true, else false.	Mandatory	true
<code>designer.volumes.logsPvc.type</code>	The type of volume provisioning to use:  static - This type is used when a PV has been created and PVC logs must be bound to it. dynamic - This type is used when a configured storage class will dynamically allocate a PV to the PVC logs. Note: The helm charts only have support for creating static PVs for the PVC workspace. For PVC logs, it is recommended to make use of dynamic provisioning and let the storage class do the PV allocation.		
<code>designer.volumes.logsPvc.mountPath</code>	The path where the Designer logs volume is to be mounted inside the Designer container.	Mandatory	/designer/logs  Note: This is not a customizable value. The value MUST be /designer/logs for the proper functioning of Designer.
<code>designer.volumes.logsPvc.claim</code>	Persistent volume claim name for logs.	Mandatory	designer-logs
<code>designer.volumes.logsPvc.claimSize</code>	Size of the persistent volume claim for the Designer logs. The persistent volume must be equal to or greater than this size.	Mandatory	
<code>designer.volumes.logsPvc.storageClassName</code>		Mandatory	



	<p>provided in the persistent volume that is created for the Designer logs (example, <b>nfs</b>).</p> <p>Note: In case of static volume provisioning, this field must match with the storage class of the PV. If the PV does not have a storage class, then it is mandatory to provide "" for this field in the helm values. Otherwise, static volume provisioning will not occur as expected.</p>		
<code>designer.volumes.logsPvc.name</code>	<p>The PV's name to which the PVC must be bound (available only when <code>designer.volumes.logsPvc.type</code> is static).</p>		
<code>designer.podVolumes</code>	<p>Log and workspace persistent volume claim names and name of the volumes attached to the pod.</p>	Mandatory	<pre>designer:   podVolumes:     - name: designer-pv-volume  persistentVolumeClaim:   claimName:     designer-managed-disk     - name: designer-log-volume  persistentVolumeClaim:   claimName:     designer-logs</pre>
<code>designer.volumeMounts</code>	<p>Name and mount path of the volumes to be attached to the Designer pods.</p>	Mandatory	<pre>volumeMounts:   - name: designer-pv-volume     mountPath: /designer/workspace   - name: designer-log-volume     mountPath: /designer/logs</pre>
<code>designer.livenessProbe.path</code>	<p>Designer liveness probe API path.</p>	Mandatory	<code>/health</code>
<code>designer.livenessProbe.containerPort</code>	<p>Port running the container.</p>	Mandatory	<code>8888</code>
<code>designer.livenessProbe.initialDelay</code>	<p>The liveness probe will be started after a given delay as specified here.</p>	Mandatory	<code>20</code>
<code>designer.livenessProbe.periodSeconds</code>	<p>The interval between each liveness probe request.</p>	Mandatory	<code>5</code>

<code>designer.livenessProbe.failureThreshold</code>	Number of liveness probe failures after which to mark the container as unstable or restart.	Mandatory	5
<code>designer.readinessProbe.path</code>	Designer readiness probe API path.	Mandatory	/health
<code>designer.readinessProbe.port</code>	Port running the container.	Mandatory	8888
<code>designer.readinessProbe.initialDelaySeconds</code>	The readiness probe will start to fail a given delay as specified here.	Mandatory	20
<code>designer.readinessProbe.periodSeconds</code>	The interval between each readiness probe request.	Mandatory	5
<code>designer.readinessProbe.failureThreshold</code>	Number of readiness probe failures after which to mark the container as unstable or restart.	Mandatory	5
<code>designer.designerSecrets.enabled</code>	This enables providing the GWS Client ID and Secret as an input to the Designer pods. Kubernetes Secrets is used to store the GWS client credentials.	Mandatory	true
<code>designer.designerSecrets.secrets</code>	GWS Client ID and GWS Client Secret. Create a new GWS Client if it does not exist. A link to information on creating a new GWS Client is provided in the <i>Platform settings</i> section.	Mandatory	
<code>designer.service.enabled</code>	Set to true if the service must be created.	Optional	true
<code>designer.service.type</code>	Service type. Valid values are: ClusterIP, NodePort, LoadBalancer.	Mandatory	NodePort
<code>designer.service.port</code>	The Designer service port to be exposed in the cluster.	Mandatory	8888
<code>designer.service.targetPort</code>	The Designer application port running inside the container.	Mandatory	http
<code>designer.service.nodePort</code>	Port to be exposed in case service type is NodePort.	Mandatory for <code>designer.service.type=NodePort</code> .	30180

<code>designer.service.terminationGracePeriod</code>	The period after which Kubernetes starts to delete the pods after service termination.	Optional	30 seconds.
<code>designer.ingress.enabled</code>	Set to true to enable ingress. Ingress should be enabled for all cases except for a lab/demo setup.	Mandatory	true
<code>designer.ingress.apiVersion</code>	The <b>apiVersion</b> of the ingress manifest to be deployed. Currently, <code>networking.k8s.io/v1beta1</code> and <code>networking.k8s.io/v1</code> are supported.	Optional	<code>networking.k8s.io/v1</code>
<code>designer.ingress.ingressClassName</code>	The ingress class name for the ingress deployed. Applicable only when <code>designer.ingress.apiVersion</code> is <code>networking.k8s.io/v1</code> .	Optional	
<code>designer.ingress.annotations</code>	Annotations added for ingress. The Designer UI requires Session Stickiness if the replica count is more than 1. Configure Session Stickiness based on the ingress controller type. Configuration specific to ingress such as Session Stickiness can be provided here.	Optional	
<code>designer.ingress.paths</code>	Ingress path	Mandatory	[/]
<code>designer.ingress.hosts</code>	Hostnames to be configured in ingress for the Designer service.	Mandatory	- .example.com - .blue.example.com - .green.example.com
<code>designer.ingress.tls</code>	TLS configuration for ingress.	Optional	[]
<code>designer.resources.limits.cpu</code>	Maximum amount of CPU that K8s allocates for the container.	Mandatory	600m
<code>designer.resources.limits.memory</code>	Maximum amount of memory that K8s allocates for the container.	Mandatory	1Gi
<code>designer.resources.requests.cpu</code>	Guaranteed CPU allocation for the	Mandatory	500m

	container.		
<code>designer.resources.requests.memory</code>	Guaranteed memory allocated for the container.	Mandatory	512Mi
<code>designer.securityContext.runAsUser</code>	This setting controls which user ID the containers are run with. This can be configured to run Designer as a non-root user. You can either use the <b>Genesys</b> user or arbitrary UIDs. Both are supported by the Designer base image. 500 is the ID of the Genesys user.  The file system must reside within the Genesys user account in order to run Designer as a Genesys user. Change the NFS server host path to the Genesys user: <code>chown -R genesys:genesys.</code>	Optional	
<code>designer.securityContext.runAsGroup</code>	Controls which primary group ID the containers are run with. This can be configured to run Designer as a non-root user. You can either use the <b>Genesys</b> userGroup (GID - 500) or arbitrary GIDs. Both are supported by the Designer base image.	Optional	
<code>designer.nodeSelector</code>	To allow pods to be scheduled based on the labels assigned to the nodes.	Optional	Default value: <code>nodeSelector: {}</code> Sample value: <code>nodeSelector:</code> <code>:</code>
<code>designer.affinity</code>	The K8s standard node affinity and anti-affinity configurations can be added here. Refer to the this topic in the Kubernetes documentation site for sample values.	Optional	<code>{}</code>
<code>designer.tolerations</code>	Tolerations work with taints to ensure that pods are not scheduled on to inappropriate nodes. Refer to the	Optional	<code>[]</code>

	Taints and Tolerations topic in the Kubernetes documentation site for sample values.		
designer.podDisruptionBudget.enabled	Set to true if a pod Disruption Budget is to be created.	Optional	false
designer.podDisruptionBudget.minAvailable	The number of pods that should always be available during a disruption.	Optional	1
designer.dnsPolicy	The DNS policy that should be applied to the Designer pods.	Optional	
designer.dnsConfig	The DNS configuration that should be applied to the Designer pods.	Optional	
designer.priorityClassName	The priority class name that the pods should belong to.	Optional	
designer.hpa.enabled	Enables K8s Horizontal Pod Autoscaler (HPA). It automatically scales the number of pods based on average CPU utilization and average memory utilization. For more information on HPA refer to this topic in the Kubernetes documentation site.	Optional	false
designer.hpa.targetCPUPercent	The K8s HPA controller will scale up or scale down pods based on the target CPU utilization percentage specified here. It scales up or scales down pods between the range - designer.deployment.replicaCount and designer.deployment.maxreplicaCount.	Optional	70
designer.hpa.targetMemoryPercent	The K8s HPA controller will scale up or scale down pods based on the target memory utilization percentage specified here. It scales up or scales down pods between the range - designer.deployment.replicaCount and designer.deployment.maxreplicaCount.	Optional	70

<code>designer.labels</code>	Labels that will be added to the Designer pods.	Optional	<code>{}</code>
<code>designer.annotations</code>	Annotations added to the Designer pods.	Optional	<code>{}</code>
<code>designer.prometheus.enabled</code>	Set to true if Prometheus metrics must be enabled.	Optional	<code>false</code>
<code>designer.prometheus.tagKey</code>	Label key assigned to the pods/service to filter out.	Optional	<code>service</code>
<code>designer.prometheus.tagValue</code>	Label value assigned to the pods/service to filter out.	Optional	<code>designer</code>
<code>designer.prometheus.instance</code>		Optional	<code>{{instance}}</code>
<code>designer.prometheus.serviceMonitor</code>	Set to true if a service monitor resource is needed to monitor the pods through the Kubernetes service.	Optional	<code>false</code>
<code>designer.prometheus.serviceMonitorPath</code>	The path in which the service monitor metrics are exposed.	Optional	<code>/metrics</code>
<code>designer.prometheus.serviceMonitorInterval</code>	The scrape interval specified for the Prometheus server. That is, the time interval at which the Prometheus server will fetch metrics from the service.	Optional	<code>10s</code>
<code>designer.prometheus.serviceMonitorLabels</code>	Labels to be specified for the service monitor resource.	Optional	
<code>designer.prometheus.alerts</code>	Set to true if Prometheus alerts must to be created.	Optional	<code>false</code>
<code>designer.prometheus.alertsRules</code>	Any custom alerts that are created must be specified here.	Optional	
<code>designer.prometheus.alertsLabels</code>	Labels to be specified for the alerts resource.	Optional	
<code>designer.prometheus.alertsScenarios</code>	Scenarios for which alerts need to be created.	Optional	<p><b>designer.prometheus.alerts</b></p> <pre> containerRestartAlert:   interval: 3m   threshold: 5  AlertPriority: CRITICAL  MemoryUtilization: </pre>

			<pre> interval: 1m threshold: 70  AlertPriority: CRITICAL  endpointAvailable: interval: 1m  AlertPriority: CRITICAL CPUUtilization: interval: 1m threshold: 70  AlertPriority: CRITICAL  containerReadyAlert: interval: 1m readycount: 1  AlertPriority: CRITICAL  WorkspaceUtilization: interval: 3m threshold: 80  workspaceClaim: designer-managed-disk  AlertPriority: CRITICAL AbsentAlert: interval: 1m  AlertPriority: CRITICAL Health: interval: 3m  AlertPriority: CRITICAL  WorkspaceHealth: interval: 3m  AlertPriority: CRITICAL ESHealth: interval: 3m  AlertPriority: CRITICAL GWSHealth: interval: 3m  AlertPriority: CRITICAL </pre>
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<code>designer.grafana.enabled</code>	Set to true if the Grafana dashboard is to be created.	Optional	true
<code>designer.grafana.labels</code>	Labels that have to be added to the Grafana ConfigMap.	Optional	
<code>designer.grafana.annotations</code>	Annotations that have to be added to the Grafana ConfigMap.	Optional	
<code>annotations</code>	Enables Kubernetes Annotations and adds it to all the resources that have been created.  For more information, refer to the Annotations topic in the Kubernetes documentation site.	Optional	{}
<code>labels</code>	Any custom labels can be configured here. It is a key and value pair, for example, key:"value". These labels are added to all resources.	Optional	{}
<code>podLabels</code>	Labels that will be added to all application pods.	Optional	{}
<code>podAnnotations</code>	Annotations that will be added to all application pods.	Optional	{}

## Designer ConfigMap settings

The following table provides information on the environment variables and service-level settings stored in the Designer ConfigMap.

Parameter	Description	Mandatory?	Default Value
<code>designer.designerConfig.create</code>	This enables providing environment variables as an input to the Designer pods. It uses a ConfigMap to store the environment variables.	Mandatory	true
<code>designer.designerConfig.flowsettings.port</code>	Designer port for container ("port" in <code>flowsettings.json</code> ). The input should be a string, within double quotes.	Mandatory	"8888"
<code>designer.designerConfig.flowsettings.das.hostname</code>	DAS hostname ("applicationHost" in <code>flowsettings.json</code> ).	Mandatory	das



<code>designer.designerConfig</code>	DAS port ("applicationPort" in <code>flowsettings.json</code> ). Input should be a string, within double quotes.	Mandatory	"80"
<code>designer.designerConfig</code>	This is normally not changed. It is the relative path to the workspace on DAS. The default is <code>"/workspaces"</code> should be used always ("deployURL" in <code>flowsettings.json</code> ).	Mandatory	"/workspaces"
<code>designer.designerConfig</code>	Set to "true" so Designer works with GWS. If set to "false", Designer defaults to a local mode and may be used to connect to GWS if GWS is unavailable ("usehtcc" in <code>flowsettings.json</code> ). Input should be "true" or "false".	Mandatory	"false"
<code>designer.designerConfig</code>	GWS server host ("htccserver" in <code>flowsettings.json</code> ). For example, "gws.genhtcc.com". The input should be a string, within double quotes.	Mandatory	" "
<code>designer.designerConfig</code>	GWS server port ("htccport" in <code>flowsettings.json</code> ). For example, "80". The input should be a string, within double quotes.	Mandatory	" "
<code>designer.designerConfig</code>	To enable or disable Designer Analytics ("enableAnalytics" in <code>flowsettings.json</code> ). Input should be "true" or "false".	Optional	"false"
<code>designer.designerConfig</code>	Elasticsearch URL ("esUrl" in <code>flowsettings.json</code> ). For example, "http://elasticsearch:9200". The input should be a string, within double quotes.	Optional	" "
<code>designer.designerConfig</code>	Elasticsearch Server Host Name ("esServer" in <code>flowsettings.json</code> ). For	Optional	" "

	example, "es-service"). The input should be a string, within double quotes.		
<code>designer.designerConfig.envs.DEF_ES_PORT</code>	Elasticsearch port ("esPort" in <code>flowsettings.json</code> ). For example, "9200". The input should be a string, within double quotes.	Optional	" "
<code>designer.designerConfig.envs.DEF_FILE_LOGGING_ENABLED</code>	Enable file logging. If not enabled, Designer will not write logs. Input should be "true" or "false".		"false"
<code>designer.designerFlowSettings.create</code>	Set to true to include the contents of the <code>flowsettings.yaml</code> file in a separate ConfigMap. Input should be true or false.	Optional	false
<code>designer.designerFlowSettings.configMapRef</code>	The <code>flowsettings.yaml</code> file should contain these keys, so that the file's contents will be included in the ConfigMap. Refer to the <i>Updating the flowsettings file section</i> in the <i>Deploy Designer</i> topic for more information on this.	Optional	{}

## DAS deployment settings

The following table provides information on the DAS deployment settings. These settings are configured in the **das-values.yaml** file. DAS Deployment Settings

Parameter	Description	Mandatory?	Default Value
<code>das.deployment.replicaCount</code>	Number of pods to be created.	Mandatory	2
<code>das.deployment.maxReplicaCount</code>	The maximum number of replicas to be created. It is recommended to configure this setting if auto-scaling is used.	Optional	10
<code>das.deployment.strategy</code>	The deployment strategy to follow. This determines which type	Mandatory	rollingupdate

	<p>of resources are deployed. Valid values are: rollingupdate, blue-green, blue-green-ingress, blue-green-service, canary.</p> <ul style="list-style-type: none"> <li>• <b>rollingupdate</b> - default Kubernetes update strategy where resources will be updated using the rolling upgrade strategy.</li> <li>• <b>blue-green</b> - for deploying and upgrading the DAS service using the blue-green strategy.</li> <li>• <b>blue-green-ingress</b> - for the blue-green upgrade, this is to create an ingress for the first time.</li> <li>• <b>blue-green-service</b> - for the blue-green upgrade, this is to create a service for the first time, and update the service during a service cutover.</li> <li>• <b>canary</b> - to deploy canary pods along with the blue-green pods.</li> </ul>		
<code>das.deployment.color</code>	<p>This is to deploy/upgrade the DAS service using the blue-green upgrade strategy. Valid values are: blue, green.</p>	Mandatory for blue-green and blue-green-service strategies.	
<code>das.deployment.type</code>	<p>Type of Kubernetes controller. Valid values is: StatefulSet</p> <ul style="list-style-type: none"> <li>• <b>StatefulSet</b> - if the Designer workspace is stored in a remote cloud storage system, such as</li> </ul>	Optional	StatefulSet

	Azure Files.		
<code>das.image.repository</code>	Docker repository that contains the images for DAS.	Mandatory	
<code>das.image.tag</code>	DAS image version.	Mandatory	
<code>das.image.pullPolicy</code>	<p>DAS image pull policy (imagePullPolicy). Valid values are: Always, IfNotPresent, Never.</p> <ul style="list-style-type: none"> <li>• <b>Always</b> - always pull the image.</li> <li>• <b>IfNotPresent</b> - pull the image only if it does not already exist on the node.</li> <li>• <b>Never</b> - never pull the image.</li> </ul>	Optional	IfNotPresent
<code>das.image.imagePullSecrets</code>	Secret name containing the credentials for authenticating access to the Docker repository.	Mandatory	
<code>das.podVolumes</code>	Provides the name of the volume and name of the persistent volume claim to be attached to the pods	Mandatory	<pre>das: podVolumes: - name: workspace  persistentVolumeClaim: claimName: designer- managed-disk - name: logs  persistentVolumeClaim: claimName: designer- logs</pre>
<code>das.volumes.podPvc.create</code>	<p>This volume is usually created to mount a local disk to a DAS container for syncing data in case cloud storage is used for creating Designer files.</p> <p>This value has to be true or false depending on whether the local disk is needed or not</p>	Optional	false
<code>das.volumes.podPvc.mountPath</code>	The path where the workspace volume is to be mounted inside the DAS container.	Optional	

<code>das.volumes.podPvc.claimName</code>	<p>Persistent volume claim name for the volume.</p>	Optional	<code>local-workspace</code>
<code>das.volumes.podPvc.claimSize</code>	<p>Size of the persistent volume claim for the pod. The persistent volume must be equal to or greater than this size.</p>	Optional	
<code>das.volumes.podPvc.storageClassName</code>	<p>storageClassName provided in the podSpec is used to create a persistent volume that is created for DAS (example, <b>nfs</b>).</p>	Optional	
<code>das.volumes.podPvc.accessModes</code>	<p>The read/write privileges and mount privileges of the volume claim with respect to the nodes. Valid types are: <code>ReadWriteOnce</code>, <code>ReadOnlyMany</code>, <code>ReadWriteMany</code>.</p> <ul style="list-style-type: none"> <li>• <b>ReadWriteOnce</b> - the volume can be mounted as read-write by a single node.</li> <li>• <b>ReadOnlyMany</b> - the volume can be mounted as read-only by many nodes.</li> <li>• <b>ReadWriteMany</b> - the volume can be mounted as read-write by many nodes.</li> </ul> <p>For more information, refer to the access modes topic in the Kubernetes documentation site.</p>	Optional	<code>ReadWriteOnce</code>
<code>das.volumeMounts</code>	<p>The name of the volume and the mount path to be used by the pods.</p>	Mandatory	<pre>volumeMounts: - mountPath: /das/www/workspaces   name: workspace - mountPath: /das/logs   name: logs</pre>
<code>das.dasSecrets.enabled</code>	<p>Set to true if Kubernetes secrets must be created to store</p>	Optional	<code>false</code>

	keys/credentials/tokens.		
<code>das.dasSecrets.secrets</code>	Key and value pairs containing the secrets, such as a username and password.	Optional	
<code>das.livenessProbe.path</code>	DAS liveness probe API path.	Mandatory	/health
<code>das.livenessProbe.containerPort</code>	Port running the container.	Mandatory	8081
<code>das.livenessProbe.startupDelay</code>	The liveness probe will be started after a given delay as specified here.	Mandatory	10
<code>das.livenessProbe.checkInterval</code>	The interval between liveness probe requests.	Mandatory	5
<code>das.livenessProbe.failureThreshold</code>	Number of liveness probe failures after which to mark the container as unstable or restart.	Mandatory	3
<code>das.readinessProbe.path</code>	DAS readiness probe API path.	Mandatory	/health
<code>das.readinessProbe.containerPort</code>	Port running the container.	Mandatory	8081
<code>das.readinessProbe.startupDelay</code>	The readiness probe will be started after a given delay as specified here.	Mandatory	10
<code>das.readinessProbe.checkInterval</code>	The interval between readiness probe requests.	Mandatory	5
<code>das.readinessProbe.failureThreshold</code>	Number of readiness probe failures after which to mark the container as unstable or restart.	Mandatory	3
<code>das.service.enabled</code>	Set to true if the service must be created.	Optional	true
<code>das.service.type</code>	Service type. Valid values are: ClusterIP, NodePort, LoadBalancer.	Mandatory	NodePort
<code>das.service.port</code>	The DAS service port to be exposed in the cluster.	Mandatory	80
<code>das.service.targetPort</code>	The DAS application port running inside the container.	Mandatory	http
<code>das.service.nodePort</code>	Port to be exposed in	Mandatory if	30280

	case service type is NodePort.	das.service.type is NodePort.	
das.service.terminationGracePeriod	The period after which Kubernetes starts to delete the pods in case of deletion.	Optional	30 seconds.
das.ingress.enabled	Set to true to enable ingress. Ingress should be enabled for all cases except for a lab/demo setup.	Optional	false
das.ingress.apiVersion	The <b>apiVersion</b> of the ingress manifest deployed. Supported versions are, networking.k8s.io/v1beta1 and networking.k8s.io/v1.	Optional	networking.k8s.io/v1
das.ingress.ingressClassName	The ingress class name for the ingress deployed. Applicable only when das.ingress.apiVersion is networking.k8s.io/v1.	Optional	
das.ingress.annotations	Annotations added for the ingress resources.	Optional	
das.ingress.paths	Ingress path.	Optional	[/]
das.ingress.hosts	Hostnames to be configured in ingress for the DAS service.	Mandatory if ingress is enabled.	
das.ingress.tls	TLS configuration for ingress.	Optional	[ ]
das.resources.limits.cpu	Maximum amount of CPU that K8s allocates for the container.	Mandatory	600m
das.resources.limits.memory	Maximum amount of memory that K8s allocates for the container.	Mandatory	1Gi
das.resources.requests.cpu	Guaranteed CPU allocation for the container.	Mandatory	400m
das.resources.requests.memory	Guaranteed memory allocation for the container.	Mandatory	512Mi
das.securityContext.runAsUser	This setting controls which user ID the containers are run with and can be configured	Optional	

	<p>to run DAS as a non-root user. You can either use the <b>Genesys</b> user or arbitrary UIDs. Both are supported by the DAS base image. 500 is the ID of the Genesys user.</p> <p>For more information refer to the Security Context topic in the Kubernetes documentation site.</p>		
<code>das.securityContext.runAsGroup</code>	<p>This setting controls which primary group ID the containers are run with and can be configured to run DAS as a non-root user. You can either use the <b>Genesys</b> userGroup (GID - 500) or arbitrary GIDs. Both are supported by the DAS base image.</p>	Optional	
<code>das.nodeSelector</code>	<p>To allow pods to be scheduled based on the labels assigned to the nodes.</p>	Optional	<p>Default value:</p> <pre>nodeSelector: {}</pre> <p>Sample value:</p> <pre>nodeSelector:   :</pre>
<code>das.affinity</code>	<p>The K8s standard node affinity and anti-affinity configurations can be added here. Refer to the this topic in the Kubernetes documentation site for sample values.</p>	Optional	<code>{}</code>
<code>das.tolerations</code>	<p>Tolerations work with taints to ensure that pods are not scheduled on to inappropriate nodes. Refer to the Taints and Tolerations topic in the Kubernetes documentation site for sample values.</p>	Optional	<code>[]</code>
<code>das.podDisruptionBudget.enabled</code>	<p>Set to true if a pod disruption budget is to be created.</p>	Optional	<code>false</code>
<code>das.podDisruptionBudget.minAvailable</code>	<p>The number of pods that should always be available during a disruption.</p>	Optional	<code>1</code>



<code>das.dnsPolicy</code>	The DNS policy that should be applied to the DAS pods.	Optional	
<code>das.dnsConfig</code>	The DNS configuration that should be applied to the DAS pods.	Optional	
<code>das.priorityClassName</code>	The priority class name that the pods should belong to.	Optional	
<code>das.hpa.enabled</code>	Set to true if a K8s Horizontal Pod Autoscaler (HPA) is to be created.	Optional	false
<code>das.hpa.targetCPUPercent</code>	The K8s HPA controller will scale up/down pods based on the target CPU utilization percentage specified. It scale up/down pods between the range <code>deployment.replicaCount</code> to <code>deployment.maxReplicas</code>	Optional	75
<code>das.hpa.targetMemoryPercent</code>	The K8s HPA controller will scale up or scale down pods based on the target CPU utilization percentage specified. It scales up or scales down pods between the range - <code>deployment.replicaCount</code> and <code>deployment.maxReplicas</code> .	Optional	70
<code>das.labels</code>	Labels that will be added to the DAS pods.	Optional	{}
<code>das.annotations</code>	Annotations added to the DAS pods.	Optional	{}
<code>das.prometheus.enabled</code>	Set to true if Prometheus metrics must be enabled.	Optional	false
<code>das.prometheus.tagName</code>	Label key assigned to the pods/service to filter out.	Optional	service
<code>das.prometheus.tagValue</code>	Label key assigned to the pods/service to filter out.	Optional	designer
<code>das.prometheus.pod</code>		Optional	{{pod}}
<code>das.prometheus.instance</code>		Optional	{{instance}}
<code>das.prometheus.serviceMonitor</code>	Set to true if a service monitor	Optional	false

	resource is needed to monitor the pods through the Kubernetes service.		
das.prometheus.serviceMonitor.path	The path in which the metrics are exposed.	Optional	/metrics
das.prometheus.serviceMonitor.interval	The scrape interval specified for the Prometheus server. That is, the time interval at which the Prometheus server will fetch metrics from the service.	Optional	10s
das.prometheus.serviceMonitor.labels	Labels to be specified for the service monitor resource.	Optional	
das.prometheus.alerts.enabled	Set to true if Prometheus alerts must to be created.	Optional	false
das.prometheus.alerts.labels	Labels to be specified for the alerts resource.	Optional	
das.prometheus.alerts.customAlerts	Any custom alerts that must be specified here.	Optional	
das.prometheus.alerts.scenarios	Scenarios for which alerts need to be created.	Optional	<p><b>das.prometheus.alerts.</b></p> <pre> containerRestartAlert:   interval: 3m   threshold: 5  AlertPriority: CRITICAL  MemoryUtilization:   interval: 1m   threshold: 75  AlertPriority: CRITICAL  endpointAvailable:   interval: 1m  AlertPriority: CRITICAL   CPUUtilization:     interval: 1m     threshold: 75  AlertPriority: CRITICAL  containerReadyAlert:   interval: 5m   readycount: 1 </pre>

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			<pre>AlertPriority: CRITICAL  rsyncContainerReadyAlert:   interval: 5m   readycount: 1  AlertPriority: CRITICAL  WorkspaceUtilization:   interval: 3m   threshold: 70  workspaceClaim: designer-managed-disk  AlertPriority: CRITICAL   AbsentAlert:     interval: 1m  AlertPriority: CRITICAL  LocalWorkspaceUtilization:   interval: 3m   threshold: 70  AlertPriority: CRITICAL   Health:     interval: 3m  AlertPriority: CRITICAL  WorkspaceHealth:   interval: 3m  AlertPriority: CRITICAL   PHPHealth:     interval: 3m  AlertPriority: CRITICAL   ProxyHealth:     interval: 3m  AlertPriority: CRITICAL   PhpLatency:     interval: 1m     threshold: 10  AlertPriority: CRITICAL   HTTPLatency:     interval: 1m</pre>
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			<pre> threshold: 60 AlertPriority: CRITICAL   HTTP4XXCount:     interval: 5m     threshold: 100 AlertPriority: CRITICAL   HTTP5XXCount:     interval: 5m     threshold: 100 AlertPriority: CRITICAL </pre>
das.grafana.enabled	Set to true if the Grafana dashboard is to be created.	Optional	true
das.grafana.labels	Labels that must be added to the Grafana ConfigMap.	Optional	
das.grafana.annotations	Annotations that must be added to the Grafana ConfigMap.	Optional	
annotations	<p>Enables Kubernetes Annotations and adds it to all the resources that have been created.</p> <p>For more information, refer to the Annotations topic in the Kubernetes documentation site.</p>	Optional	{}
labels	Any custom labels can be configured here. It is a key and value pair, for example, key:"value". These labels are added to all resources.	Optional	{}
podLabels	Labels that will be added to all application pods.	Optional	{}
podAnnotations	Annotations that will be added to all application pods.	Optional	{}

## DAS ConfigMap settings

Parameter	Description	Mandatory?	Default Value
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<code>das.dasConfig.create</code>	This setting enables providing environment variables as an input to the DAS pods. It uses a ConfigMap to store the environment variables.	Mandatory	<code>true</code>
<code>das.dasConfig.envs.DAS_FILE_LOGGING_ENABLED</code>	Enables file logging. DAS supports only stdout logging. This should always be set to false. Input should be "true" or "false".	Mandatory	<code>"false"</code>
<code>das.dasConfig.envs.DAS_LOG_LEVEL</code>	Enables log levels. Valid values are: "FATAL", "ERROR", "WARN", "INFO", "DEBUG", "TRACE".	Optional	<code>"DEBUG"</code>
<code>das.dasConfig.envs.DAS_STDOUT_LOGGING_ENABLED</code>	Enables standard output console logging. Input should be "true" or "false".	Mandatory	<code>"true"</code>
<code>das.dasConfig.envs.DAS_SERVICES_ELASTICSEARCH_ENABLED</code>	To enable Designer Analytics. This configuration is required for DAS to initialize ES templates. Input should be "true" or "false".	Optional	<code>"false"</code>
<code>das.dasConfig.envs.DAS_SERVICES_ELASTICSEARCH_HOST</code>	Elasticsearch server host name with http:// prefix. For example, http://es-service. The input should be a string, within double quotes.	Optional	<code>" "</code>
<code>das.dasConfig.envs.DAS_SERVICES_ELASTICSEARCH_PORT</code>	Elasticsearch port. For example, "80". The input should be a string, within double quotes.	Optional	<code>" "</code>

## Post deployment Designer configuration settings

Post deployment, Designer configuration is managed from the following 3 locations:

### Flow settings

Flow Settings is used for controlling global Designer settings that are applicable to all tenants and it contains bootstrap configuration settings such as port, GWS info, and DAS URL.

Configuration path - `/workspace/designer/flowsettings.json`.

This will be configured using the helm install. Refer to the Update the flowsettings.json file section for

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information on updating the **flowsettings.json** file.

## Tenant settings

These are tenant specific settings if the Designer service is configured with multi-tenancy .

Configuration path - workspace//config/tenantsettings.json.

The user should logout and log back in after any changes to the **tenantsettings.json** file. The Designer UI will continue to show the older features until the user logs out and logs back in.

Tenant specific settings are configured by directly editing the file in the above path.

## DesignerEnv transaction list

The **DesignerEnv** transaction list is available in Configuration Server (Tenant/Transactions/DesignerEnv). This is mostly used to control the run-time settings. Any change to the **DesignerEnv** transaction list does not require the application to be published again or a new build for the application.

The user should log out and log back in for the changes to reflect in the Designer UI.

The **DesignerEnv** transaction list is configured using Agent Setup.

## Post deployment configuration settings reference table

Category: Analytics					
Setting Name	flowsettings.json	tenantsettings.json	DesignerEnv	Description	Value
enableAnalytics (optional)	Yes	Yes	No	This flag enables or disables the analytics feature.	Sample value: true Default value: false
esUrl (optional)	Yes	Yes	No	Elasticsearch URL	Sample value: http://es-spot.usw1.genhtcc.com:80
esServer (optional)	Yes	Yes	No	Elasticsearch server host name (for example, es-service).	Sample value: es-spot.usw1.genhtcc.com
esPort (optional)	Yes	Yes	No	Elasticsearch port.	Sample value: 80
ReportingURL (optional)	No	No	Yes Section: reporting	URL of Elasticsearch where Designer applications will report	Sample value: http://es-spot.usw1.genhtcc.com:80

				data.	
esMaxQueryDuration (optional)	Yes	Yes	No	The maximum time range (in days) to query in Designer Analytics. Each day's data is stored in a separate index in Elasticsearch.	Sample value: 90 Default value: 90
sdrMaxObjCount (optional)	Yes	Yes	No	The maximum count of nested type objects that will be captured in SDRs. When set to -1, which is the default value, no objects will be trimmed. All the <i>milestones</i> or <i>activities</i> visited in runtime are expected to be captured in an SDR.	Sample value: 20
SdrTraceLevel (optional)	Yes	Yes	No	Value are: <ul style="list-style-type: none"> <li>• <b>100</b> — Debug level and up. Currently, there are no Debug messages.</li> <li>• <b>200</b> — Standard level and up. This setting will show all blocks that are entered during a call in the blocks array.</li> <li>• <b>300</b> — Important level and up. This</li> </ul>	Sample value: 300 Default value: 300

				setting filters out all blocks from the blocks array, except those containing data that will change from call to call (such as the Menu block and User Input block).	
<b>Category: Audit</b>					
Setting Name	flowsettings.json	tenantsettings.json	DesignerEnv	Description	Value
enableESAuditLogs (optional)	Yes	Yes	No	Enable or disable audit logs captured in Elasticsearch.	Sample value: false Default value: false
enableFSAuditLogs (optional)	Yes	Yes	No	Enable or Disable audit logs captured in the file system under the <b>logs</b> directory or in standard output.	Sample value: true Default value: true
maxAppSizeCompare (optional)	Yes	Yes	No	The maximum size of data object for which a difference will be captured in the audit logs, value in bytes. That is, the difference between the Designer object's old value and new value.	Sample value: 1000000 Default value: 1000000
enableReadAuditLogs (optional)	Yes	Yes	No	Control whether reading of Designer	Sample value: false Default value:



				objects is captured in audit trails. If enabled any Designer object viewed in the UI will be recorded in the audit logs.	false
<b>Category: Authorization</b>					
Setting Name	flowsettings.json	tenantsettings.json	DesignerEnv	Description	Value
disableRBAC (optional)	Yes	Yes	No	Controls if Designer reads and enforces permissions associated with the logged in user's roles.	Sample value: false Default value: false
rbacSection (optional)	Yes	Yes	No	In a Role object, the name of the section within the Annex where the privileges are stored.	Sample value: CfgGenesysAdministratorServer Default value: CfgGenesysAdministratorServer
disablePBAC (optional)	Yes	Yes	No	Controls if Designer allows partitioning of the Designer workspace and restricts a user's access to Designer objects in the user's partitions.	Sample value: false Default value: false
<b>Category: Collaboration</b>					
Setting Name	flowsettings.json	tenantsettings.json	DesignerEnv	Description	Value
locking (optional)	Yes	No	No	The type of locking used, in an editing session for applications, modules, or data tables. Valid values are: file, redis, none. <ul style="list-style-type: none"> <li><b>none</b> - resources</li> </ul>	Sample value: file Default value: file

				<p>are not locked and can be edited simultaneously by multiple users which can result in one user overwriting another user's changes.</p> <ul style="list-style-type: none"> <li>• <b>file</b> - uses files to keep track of locks and relies on shared storage (for example, NFS) to make lock files available to each Designer pod. Lock files are stored in the same location as the user's Designer workspace.</li> <li>• <b>redis</b> - uses Redis for storing resource locks and is recommended for production environments.</li> </ul>	
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**Category: DAS**

Setting Name	flowsettings.json	tenantsettings.json	DesignerEnv	Description	Value
applicationHost (mandatory)	Yes	No	No	The server name Designer uses to generate the URL to the application. ORS and MCP	Sample value: das.usw1.genhtcc.com Default value: localhost

				fetch the application code and other resources from this URL.	
applicationPort	Yes	No	No	The corresponding port to be used with applicationHost.	Sample value: 80 Default value: 80
deployURL	Yes	No	No	This is normally not changed. It is the relative path to the workspace on DAS.	Sample value: /workspace Default value: /workspace

**Category: Digital**

Setting Name	flowsettings.json	tenantsettings.json	DesignerEnv	Description	Value
rootsSRL (optional)	Yes	Yes	No	If specified, this is used to filter which Root Categories to display when selecting Standard Responses.	Sample value: Any REGular EXpression (REGEX).
maxFlowEntryCount (optional)	Yes	No	Yes Section: flowsettings	Specify how many times the same application can process a specific digital interaction.	Sample value: 20 Default value: 20

**Category: External APIs**

Setting Name	flowsettings.json	tenantsettings.json	DesignerEnv	Description	Value
httpProxy (optional)	Yes	Yes	Yes Section: flowsettings	Specify the proxy used for external requests and nexus API calls (if enable_proxy is true).	Sample value: [http://vpcproxy-000-int.geo.genprim.
redundantHttpProxy (optional)	Yes	Yes	Yes Section: flowsettings	Specify the backup proxy used for external requests and nexus API calls (if	Sample value: [http://vpcproxy-001-int.geo.genprim.

				enable_proxy is true), when httpProxy is down.	
<b>Category: Features</b>					
Setting Name	flowsettings.json	tenantsettings.json	DesignerEnv	Description	Value
features	Yes	Yes	No	This is an object. See the <b>5.5 Features</b> section for a list of supported features.	Default value: <pre>{   nexus:   true,   enableBulkAudioImport:   true }</pre>
<b>Category: GWS</b>					
Setting Name	flowsettings.json	tenantsettings.json	DesignerEnv	Description	Value
usehtcc	Yes	No	No	Set to true so that Designer works with GWS. If set to false, Designer defaults to a local mode and may be used temporarily if GWS is unavailable.	Sample value: true Default value: false
htccServer	Yes	No	No	GWS Server	Sample value: gws-usw1-int.genhtcc.com Default value: gws-usw1-int.genhtcc.com
htccport	Yes	No	No	GWS port.	Sample value: 80 Default value: 80
ssoLoginUrl	Yes	No	No	URL of GWS authentication UI. Designer redirects to this URL for authentication.	Sample value: https://gws-usw1.genhtcc.com Default value: https://gws-usw1.genhtcc.com
maxConcurrentHTCCRequest (optional)	Yes	No	No	For batch operations to GWS, the max number of concurrent requests that Designer will send to GWS.	Sample value: 5 Default value: 5

batchOperationResultTTL (optional)	Yes	No	No	For batch operations to GWS, the time, in milliseconds, for which Designer stores the results of a batch operation on the server, before deleting them.	Sample value: 100000 Default value: 100000
<b>Category: Help</b>					
Setting Name	flowsettings.json	tenantsettings.json	DesignerEnv	Description	Value
docsMicroserviceURL (optional)	Yes	No	No	URL for Designer documentation.	Default value: <a href="https://docs.genesys.com/Documentation/PSAAS/Public/Administrator/Designer">https://docs.genesys.com/Documentation/PSAAS/Public/Administrator/Designer</a>
<b>Category: IVR</b>					
Setting Name	flowsettings.json	tenantsettings.json	DesignerEnv	Description	Value
recordingType (optional)	Yes	Yes	No	Specify the recording type to be used in Record block. Set as GIR. If the option is missing or blank, Full Call Recording type will be used.	Sample value: GIR Default value: GIR
<b>Category: Logging</b>					
Setting Name	flowsettings.json	tenantsettings.json	DesignerEnv	Description	Value
<pre>logging: {   designer: {     level:     debug },   audit: {     level:     trace},   auditdebug:   { level:   debug },   cli: {     level: debug   } }</pre>	Yes	No	No	Specify Designer log levels. Each field has valid values: trace, debug, info, warn, error, or fatal. <ul style="list-style-type: none"> <li><b>designer</b> - log level of Designer.</li> <li><b>audit</b> - log level of</li> </ul>	Sample value: <pre>logging: {   designer: {     level:     debug},   audit: {     level: trace   },   auditdebug:   { level:   debug},   cli: {     level: debug   } }</pre>

(optional)				<ul style="list-style-type: none"> <li>audit.</li> <li><b>auditdebug</b> - log level of audit debug, this will log detailed audit information.</li> <li><b>cli</b> - log level for cli commands executed on Designer.</li> </ul>	<pre> } Default value: logging: {   designer: {     level: debug   },   audit: {     level: trace   },   auditdebug:   { level:   debug },   cli: {     level: debug   } } </pre>
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**Category: Nexus**

Setting Name	flowsettings.json	tenantsettings.json	DesignerEnv	Description	Value
url (optional)	No	No	Yes Section: nexus	URL of Nexus that typically includes the API version path. For example, https://nexus-server/nexus/api/v3.	Default value: http://nex-dev.usw1.genhtcc.com
password (optional)	No	No	Yes Section: nexus	The Nexus x-api-key created by Nexus deployment.	Default value: dc4qeiro13ns0f569dfn234smf
enable_proxy (optional)	No	No	Yes Section: nexus	Boolean value to indicate if httpProxy is used to reach Nexus.  Default value: false	
profile (optional)	No	No	Yes Section: nexus	Enable Contact Identification via Nexus (for example, to enable Last Called Agent routing).	

**Category: Process**

Setting Name	flowsettings.json	tenantsettings.json	DesignerEnv	Description	Value
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port	Yes	No	No	Designer process port in the container. Normally, the default value should be left as is.	Sample value: 8888 Default value: 3000
<b>Category: Provisioning</b>					
Setting Name	flowsettings.json	tenantsettings.json	DesignerEnv	Description	Value
primarySwitch (optional)	Yes	Yes	No	Specify the primary switch name if more than one switch is defined for the tenant. Designer fetches and works with route points from this switch.	Default value: us-west-1
<b>Category: Routing</b>					
Setting Name	flowsettings.json	tenantsettings.json	DesignerEnv	Description	Value
ewtRefreshTimeout (optional)	No	No	Yes Section: flowsettings	Specify the interval (in seconds) at which to refresh the Estimated Waiting Time when routing an interaction.	Sample value: 5 Default value: 1
<b>Category: Redis</b>					
Setting Name	flowsettings.json	tenantsettings.json	DesignerEnv	Description	Value
redis: { host: "", port: "", tlsEnabled: true, lockTimeout: 120, listTimeout: 1800 }  (optional)	Yes	No	No	Used by Designer for resource index caching and multi-user collaboration locks on Designer resources.  It is a separate object that contains:  <ul style="list-style-type: none"> <li><b>host</b> - Redis host name.</li> <li><b>port</b> - Redis</li> </ul>	Sample value:  <pre>redis: {   host: "",   port: "",   tlsEnabled: true,   lockTimeout: 120,   listTimeout: 1800 }</pre> Default value:  <pre>redis: {   host:</pre>

				<p>port.</p> <ul style="list-style-type: none"> <li>• <b>tlsEnabled</b> - TLS enabled or not.</li> <li>• <b>lockTimeout</b> - Timeout, in seconds, before a resource lock is released for an editing session of applications, modules, or data tables.</li> <li>• <b>listTimeout</b> - The cache expiry timeout (in seconds) of the application list and shared modules list. By default, it is 30 minutes. That is, any new application/modules created in the UI will be seen in the listing page after 30 mins. It can be reduced to a smaller value. This is to improve the page loading performance of the Applications and Shared Modules</li> </ul>	<pre>redis.server.genhtcc.com, port: 6379, tlsEnabled: true, lockTimeout: 120, listTimeout: 1800 }</pre>
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				page. A better performance is achieved with a higher value.	
<b>Category: Security</b>					
Setting Name	flowsettings.json	tenantsettings.json	DesignerEnv	Description	Value
zipFileSizeLimitInMegaBytes (optional)	Yes	Yes	No	Defines the maximum zipFile size limit (in megabytes) during bulk audio import.	Sample value: 50
disableCSRF (optional)	Yes	Yes	No	Disable CSRF attack protection. For more information, refer to this topic in the CWE site.  By default, CSRF attack protection is enabled. It can be disabled by setting this flag to true.	Sample value: false Default value: false
disableSecureCookie (optional)	Yes	No	No	Disables the secure cookies header.	Sample value: false Default value: false
<b>Category: Session</b>					
Setting Name	flowsettings.json	tenantsettings.json	DesignerEnv	Description	Value
idleTimeout (optional)	Yes	Yes	No	Idle timeout, in seconds, before a user session is terminated while editing applications, modules, or data tables.	Sample value: 840 Default value: 840
lockTimeout (optional)	Yes	Yes	No	Timeout, in seconds, before a resource lock is released, for an editing	Sample value: 120 Default value: 120

				session of applications, modules, or data tables.	
lockKeepalive (optional)	Yes	Yes	No	Interval, in seconds, before the client sends a ping to the server, to refresh the lock for an editing session of applications, modules, or data tables.	Sample value: 15 Default value: 15
<b>Category: Workflow</b>					
Setting Name	flowsettings.json	tenantsettings.json	DesignerEnv	Description	Value
maxBuilds (optional)	Yes	Yes	No	Specify the maximum number of builds allowed per application.	Sample value: 20 Default value: 20
enablePTE (optional)	No	No	Yes Section: flowsettings	Boolean value to indicate if PTE objects are enabled at runtime.	Sample value: true Default value: false

## Features

The features specified in this section are configured under the features object in the **flowsettings.json** file or the **tenantsettings.json** file.

For example,

```
"features": {
  "nexus": true,
  ..
}
```

### Important

These features are configured only in the **flowsettings.json** file and the **tenantsettings.json** file, and not in the **DesignerEnv** transaction list.

Category	Feature Setting Name	Mandatory	flowsettings.json	tenantsettings.json	Description	Default Value
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Audio	enableBulkAudioImport	Optional	Yes	Yes	Enable/disable the bulk audio import feature.	false
	grammarValidation	Optional	Yes	yes	If this feature is enabled, Designer will validate invalid grammar files during grammar upload and you can upload only valid grammar files (GRXML or Nuance compiled binary grammar files).	false
	externalAudio	Optional	Yes	Yes	If this feature is enabled, a new audio type, External Audio, is available in the Play Message block. It accepts a single variable that contains a URL to the audio resource. MCP will fetch this resource directly and play it. The only supported value of <b>Play As</b> is <i>Audio URI</i> . There is no automatic language	false

					switching for this audio type.	
Nexus	nexus	Optional	Yes	Yes	Enable/disable the Nexus feature.	false
Survey	survey	Optional	Yes	Yes	Enable/disable the survey feature.	true
UI Plugins	plugins	Optional	Yes	Yes	Plugin configuration details.  (Steps are given below the table.)	{}
	plugins	Optional	Yes	Yes	Enable or disable the plugin feature.	false
Milestone	enableImplicitMilestone	Optional	Yes	Yes	Enable reporting each Shared Module call as an internal milestone. If disabled, Shared Module calls will not generate a milestone.	false
Bots	enableDialogFlowBot	Optional	Yes	Yes	When enabled, Dialogflow CX bot type is added to the bot registry and available for selection in the <b>Bot provider</b> drop-down when you configure a new bot.	false
Multisite Routing	multisiteRouting	Optional	Yes	Yes	Enables the <b>Override DN</b> option in the	false

---

						<b>Advanced</b> > <b>Targeting</b> section of the <b>Route</b> <b>Call</b> block to Force Route the interaction to a specified DN.	
--	--	--	--	--	--	--	--

## Adding a UI plugin to Designer

1. Add the `plugins` array object in the **flowsettings.json** file (*/ofs/designer/flowsettings.json*). The `plugins` object contains all the input properties for the plugin app. This is a required property. Whenever there is a change in this object, refresh the browser for the changes to take effect. Example:

```
"plugins": [  
  {  
    "url": "http://genesysexample.com/",  
    "displayName": "Nexus PII Management",  
    "placement": "messageCollections",  
    "id": "nexuspii",  
    "mappings": {  
      "prod": {  
        "G1-AUS4": "https://genesysexample.com/admin/ux"  
      },  
      "staging": {  
        "G1-USW1": "http://genesysexample.com/"  
      },  
    },  
  },  
  {  
    ...  
  }  
]
```

2. Add the `cspList` array object in the **flowsettings.json** file (*/ofs/designer/flowsettings.json*). The `cspList` object contains the URL forms to be allowed by Designer's security policy. This is a required property. Whenever there is a change in this object, re-start the node container for the changes to take effect. Example:  
If the URL is `http://genesysexample.com/`, the `cspList` would be:  
`"cspList": ["*.genexample1.com:*", "*.genexample2.com:*", "*.genexample3.com:*"]`
3. Turn on the `plugins` and `nexus` feature flags in the Designer **tenantSettings.json** file (*/ofs/config/tenantSettings.json*). This is a required property. Whenever there is a change in this object, log out of Designer and log in again for the changes to take effect.

**Important**

---

If you want to enable the plugins feature for all tenants, add this feature flag in the **flowsettings.json** file. The feature is enabled for all the tenants under that bucket.

Example:

```
{
  "features": {
    "plugins": true,
    "nexus": true
  }
}
```

4. Add the `url_` property under the `plugins` section, in Agent Setup. If there is no `plugins` section, create one. This section is for the tenant URL override. If the `DesignerEnv` setting (*Transactions/Internal/DesignerEnv*) is not provided, the plugin URL from the **flowsettings.json** file is considered. This is an optional property. Whenever there is a change in this object, log out of Designer and log in again for the changes to take effect.

Example:

```
{"url_" : "https://plugin-genesysexample.com"}
```